



2022
SPRING SUMMIT
Bay Planning Coalition

FUNDING RESILIENCY

WEBINAR

MAY 13, 2022

9 A.M. - 1 P.M.



CargillTM

7220 Central Avenue
Newark, CA 94560
510 797-1820
www.cargill.com/sf_bay

2022

SPRING SUMMIT

 Bay Planning Coalition

Table of Contents

Welcome	4
2022 Spring Summit Sponsors	6
About Bay Planning Coalition	7
Agenda	8
Speakers	9
Spring Summit Committee	16
Funding Pathways	17
Sea-Level Rise Projections	18
Get Involved at BPC	22
BPC's Board of Directors	24
BPC Members	25

Welcome to Bay Planning Coalition's 2022 Spring Summit!



elcome to Bay Planning Coalition's 2022 Spring Summit. We are so glad to have you join us for our third, and hopefully final, virtual conference. This past year has been a whirlwind of local, national, and global adjustments, testing our endurance as California residents. The drastic climatic happenings in the State that occurred last year, from devastating wildfires to a relentless drought, brought our business community and environmental community closer together to counteract these threats.

Although many state and federal actions were aimed at protecting our public health, we still saw ample effort by the government to adopt carbon-neutral initiatives, including a commitment from President Biden to run the federal government on carbon-free electricity by 2030. In California, there was a \$37 billion budget proposal aimed at fighting climate change and protecting California's viability. These proposals, if implemented, could change the course of climate adaptability and strengthen the related resilient economies for San Francisco Bay and the surrounding region.


The Bay Planning Coalition supports efforts to address Climate change and sea-level rise. Actions and strategies should be based on science and economic considerations.

If this is your first Bay Planning Coalition event, we hope you will join us for future events throughout the year. Our policy committee meetings, workshops, and expert briefings provide unique opportunities to engage with policymakers on pressing issues facing our region and invaluable networking opportunities to connect with industry leaders. Our staff is always happy to discuss the many benefits of BPC membership with you.

Thank you for joining us this year. We hope you enjoy being part of the conversation and participating in the Bay Planning Coalition's activities in 2022.



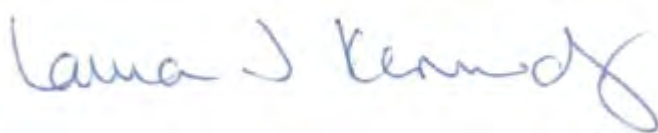
John A. Coleman
Chief Executive Officer

 n behalf of the Board of Directors for the Bay Planning Coalition, I want to thank you for joining us today to participate in this crucial conversation. We know that we need to continue and accelerate addressing the impacts of climate change in our community. Our challenge is how we collaborate, advocate, and strategize to plan and pay for the future.

This is an exciting time to be advancing resiliency efforts. We are seeing commitments from public agencies and private companies to achieve ambitious carbon targets and develop green and sustainable infrastructure like never before. The ground-breaking infrastructure bill provides a generational investment in new opportunities backed by federal funding. At the same time, California is investing in climate measures by providing significant state funding and backing that with Executive Orders to deal with impacts now. We are all working together on solutions that protect our people, infrastructure, and environment from climate risks at an accelerating pace to meet these challenges.

Bay Planning Coalition is a broad coalition providing expert advocacy and facilitation to advance a strong economy that supports a sustainable environment within the San Francisco Bay and its watershed. We rely on all of you to achieve our vision of a thriving economy, environment, and community in the San Francisco Bay and the surrounding region. Please join us at future committee meetings, workshops, and expert briefings.

Enjoy the 2022 Spring Summit!



Laura J. Kennedy
President

SPRING SUMMIT SPONSORS

Hosting Sponsor



Contributing Sponsors



Supporting Sponsors



Donor Sponsors

Anchor QEA | BBJ Group | BIA Bay Area | Downey Brand | Geosyntec |
 Graniterock | Operating Engineers – Local #3 | Port of Redwood City |
 Port of San Francisco | Wilshire Consulting, LLC | Woodard & Curran

About Bay Planning Coalition

Our Mission

A broad coalition providing expert advocacy and facilitation to advance the industries and infrastructure that support a strong regional economy and resilient environment within the San Francisco Bay and waterfront.

About Us

Founded in 1983, the Bay Planning Coalition (BPC) is a non-profit, membership-based organization representing a broad spectrum of public and private entities collectively advocating for strong economic growth and environmental sustainability of the region. We are the sole organization focused specifically on the economic vitality of the San Francisco Bay and surrounding shoreline.

BPC is a leader in building consensus on the critical issues facing the Bay Area. We focus on producing positive results for our members through advocacy and facilitation to advance sound public policy, planning, and fair and reasonable regulation. Leveraging our knowledge and relationships, BPC advocates on behalf of its members on a wide range of policy and regulatory issues.

Today the region is grappling with the severe impacts of climate change, unprecedented gridlock on our highways and transit systems, and a regional housing crisis which are collectively threatening both our economic vitality and quality of life. These extraordinary challenges present a new opportunity for Bay Planning Coalition to play a critical role in how we plan for the future to ensure continued economic growth that also protects the environmental sustainability of the region. Join us in positively influencing the future of the San Francisco Bay and shoreline.

BPC Staff

John Coleman | CEO | john@bayplanningcoalition.org

Cameron Carr | Policy Associate | cameron@bayplanningcoalition.org

Sophie Douglas | Policy Associate | sophie@bayplanningcoalition.org

Ann Spaulding | Program Manager | ann@bayplanningcoalition.org

Agenda

9:00 am - 9:10 am	Welcome Laura Kennedy, <i>President, Bay Planning Coalition and Business Development Leader, Woodard & Curran</i> Jaclyn Gnusti, <i>Vice President, Bay Planning Coalition and Senior Managing Engineer, Anchor QEA</i>
9:10 am - 9:25 am	The Honorable John Garamendi, <i>Congressman, California's 3rd District</i>
9:25 am - 9:40 am	Eric Sapirstein, <i>President, ENS Resources</i>
9:40 am - 9:55 am	Mark Northcross, <i>Principal, NHA Advisors</i>
9:55 am - 10:10 am	Warner Chabot, <i>Executive Director, San Francisco Estuary Institute</i>
10:10 am - 11:35 am	Panel: Planning Strategies <u>Moderator:</u> Allison Brooks, <i>Executive Director, Bay Area Regional Collaborative (BARC)</i> Roger Leventhal, <i>Senior Engineer, Marin County Public Works</i> Len Materman, <i>CEO, OneShoreline</i> Virginia Calkins, <i>Senior Development Manager, DivcoWest</i> Amy Worth, <i>Councilmember, City of Orinda, and Chair, BARC</i>
11:35 am - 11:45 am	Equity Speaker Jessica Fain, <i>Director of Planning, San Francisco Bay Conservation and Development Commission (BCDC)</i>
11:45 am - 12:55 pm	Panel: Funding <u>Moderator:</u> Dilip Trivedi, <i>Vice President and Coastal Engineer, Moffatt & Nichol</i> Amy Hutzel, <i>Executive Director, California Coastal Conservancy</i> Brad Benson, <i>Waterfront Resilience Program Director, Port of San Francisco</i> Nuin-Tara Key, <i>Deputy Director: Climate, Governor's Office of Planning and Research (OPR)</i> Coral Abbott, <i>Community Resilience Centers Program Manager, California Strategic Growth Council (SGC)</i>
12:55 pm - 1:00 pm	Closing John Coleman, <i>Chief Executive Officer, Bay Planning Coalition</i>

Conference Speakers



Coral Abbott

California Strategic Growth Council (SGC)

Coral manages the forthcoming Community Resilience Centers program at the California Strategic Growth Council (SGC), which will fund neighborhood-scale resilience centers that will support community resilience during climate and other emergencies, while also acting as a hub for community services during non-emergency times. In her time at SGC, Coral's work has centered around supporting communities to access the funding and other resources needed to address climate change. This includes the development of the [Regional Climate Collaboratives](#) program, a capacity building grant program that funds multi-sector partners to deepen their relationships and develop the processes, plans, and projects that will drive and sustain climate action; working alongside a team of nonprofits to develop [Partners Advancing Climate Equity](#), a capacity-building program for frontline community leaders; and leading outreach and technical assistance efforts for the [Affordable Housing and Sustainable Communities](#) program to help build capacity and form key intra-regional partnerships in under-invested areas of California. Prior to her time at SGC, she worked as a Research Assistant at the Martin Luther King, Jr. Papers Project where she conducted archival research on Dr. King and the Civil Rights Movement. Coral received a Bachelor of Science in Earth Systems with a minor in Comparative Studies in Race and Ethnicity from Stanford University.



Brad Benson

Port of San Francisco

Brad Benson joined the Port of San Francisco in 2005. As the Waterfront Resilience Program Director, he oversees the Waterfront Resilience Program efforts, including the up to \$5 billion Embarcadero Seawall Program and the United States Army Corps of Engineers/Port of San Francisco Flood Study. Before he was named Waterfront Resilience Program Director in early 2019, he was Director of Special Projects and oversaw the Port's local, state, and federal legislative program. During this time, Benson developed the state legislation that guides two of the Port's largest development projects at Pier 70 and Mission Rock. Additionally, he developed the state and local legislation that allows the Port to form infrastructure financing districts on Port property, to leverage private dollars for the benefit of the public. He collaborated in the preparation of the Port's Ten Year Capital Plan to ensure an economically stable Port. Moreover, he managed the Port's role in the Golden State Warriors Chase Center development project in the central waterfront. In addition to Director of Special Projects, he also served as the Port's Pier 70 Waterfront Site Project Director to oversee a new proposed transit-oriented, Type 1 Eco-District neighborhood in the southern waterfront. From 2010-13, Brad served as the Port's project manager for the 34th America's Cup, which attracted millions of visitors and generated \$1.4 billion in economic impacts to San Francisco. Prior to joining the Port,

Brad served as the Honorable Tom Ammiano's legislative aide from 1997-2005. He worked with constituents and City staff to write legislation, staff San Francisco Board of Supervisors meetings and committees, and manage day-to-day Board affairs during Supervisor Ammiano's terms as Board President. Before joining the City and County of San Francisco government, Brad worked as a recycling and composting consultant and was active in local environmental campaigns.



Allison Brooks

Bay Area Regional Collaborative (BARC)

Allison Brooks is Executive Director of Bay Area Regional Collaborative (barc.ca.gov) a consortium of regional agencies and regionally-oriented state agencies created through California state statute focused on advancing coordinated strategies to address climate change in the San Francisco Bay Area. Prior to joining BARC, Allison led the national organization Reconnecting America a national research and policy organization focused on advancing equitable transit-oriented development (TOD) in metro areas across the US, and across federal agencies. She also led the Livable Communities Initiative at the East Bay Community Foundation where she founded a national model of non-profit, philanthropic and public sector partnership called the Great Communities Collaborative to support equitable TOD across the Bay Area. Allison has a BA in Political Science from the University of California, San Diego and a Masters in Sustainable International Development from the Heller Graduate School of Social Policy and Management at Brandeis University. She served as a Peace Corps Volunteer in Ghana, West Africa.



Virginia Calkins

DIVCOWEST

Virginia manages West Coast ground up development projects with DivcoWest, a real estate investment firm headquartered in San Francisco, CA. Virginia began her career in architecture, working at Diller Scofidio + Renfro, the interdisciplinary design firm dedicated to public cultural projects such as the High Line, the Broad Museum, and the redesign of Lincoln Center. More recently, Virginia managed ground up development projects with Sares Regis and Google, where she also led real estate R&D initiatives with focuses on prefabrication, district energy, and public/private infrastructure. Virginia earned an MBA from Stanford and a BA in architecture and economics from Yale.



Warner Chabot

San Francisco Estuary Institute (SFEI)

Warner Chabot brings over 30 years of executive experience in the private, public and non-profit sector, focused on science-based, environmental planning and policy issues. Warner has specialized in California coastal, ocean, water, land use and energy issues at the local state and federal level. Between managing his own environmental consulting firm Warner also served as the CEO of the

California League of Conservation Voters. Prior to that, Warner was a Vice President of Ocean Conservancy, a national ocean policy organization.



John Coleman

Bay Planning Coalition

John Coleman is the Chief Executive Officer of the Bay Planning Coalition, a non-profit, public benefit, membership corporation, to advocate for the balanced regulation and use of Bay-Delta resources to ensure that commerce, recreation and the environment thrive in the region. Coleman was elected in 1990 and since re-elected to the Board of Directors of the East Bay Municipal Utility District (EBMUD).

Coleman was elected to serve as the President of the Association of California Water Agencies (ACWA) in December 2013. He currently serves in the following capacities: Board Member of the Marine Exchange of the San Francisco Bay Region; member of the Freeport Regional Water Authority (FRWA); Chair of the Upper Mokelumne River Watershed Authority (UMRWA); Board Member of the East Bay Leadership Council; member of the San Francisco Bay Restoration Authority Advisory Committee; member of the East Bay Economic Development Alliance Legislative Committee, and Board Member of DERWA, the joint powers authority for recycled water service provided by EBMUD and the Dublin-San Ramon Services District.



Jessica Fain

San Francisco Bay Conservation and Development Commission (BCDC)

Jessica Fain is the Director of Planning at the San Francisco Bay Conservation and Development Commission (BCDC), where she oversees BCDC's planning for resilient environments, equitable communities, and the future of the Bay shoreline, with a core focus on adapting to rising sea level. She directs [Bay Adapt](#), a Bay Area regional strategy to adapt better, faster and more

equitably to a rising bay. Prior to joining BCDC in 2018, Ms. Fain worked in planning and coastal resiliency in New York City at the New York City Department of City Planning and the Science and Resilience Institute at Jamaica Bay. She has taught as part-time faculty at The New School and has been a guest lecturer at various schools. Ms. Fain holds a BA from the University of Pennsylvania and a Master of City Planning from Massachusetts Institute of Technology.



Representative John Garamendi

U.S. House of Representatives, CA-3

John Garamendi grew up on his family's cattle ranch in Mokelumne Hill. John and his wife Patti have operated their own cattle ranch since 1977. In addition to being a life-long rancher, he and Patti run a pear orchard in Walnut Grove. They are proud parents to six children, including three UC Davis graduates, and

13 grandchildren. Congressman Garamendi sits on two of the most dynamic and productive committees in Congress: The House Armed Services Committee, which has the annual task of completing a massive authorization bill that sets policy for our armed forces; and the House Transportation and Infrastructure Committee, which sets policy and funding priorities for our nation's transportation systems. As a senior member of the House Armed Services Committee, Congressman Garamendi has for the past six years been selected to reconcile differences between the House and Senate versions of the annual defense authorization bill during conference negotiations. This has given him a significant voice in helping to set military policy, advocate for our service members, and protect the vital missions at Travis and Beale Air Force Bases. He also serves as Chairman of the Armed Services Subcommittee on Readiness, which oversees over one-third of the Department of Defense's authorization--the largest of any Armed Services Subcommittee. On the Transportation and Infrastructure Committee, Congressman Garamendi has helped author a long-awaited five-year highway bill, four water resource development bills, and a rail reauthorization. He is also a member of four Transportation and Infrastructure Subcommittees: Coast Guard and Maritime Transportation, Water Resources and Environment, Railroads, Pipelines and Hazardous Materials, Economic Development, and Public Buildings and Emergency Management. In these capacities, he advances his "Make It In America" agenda to create new middle-class jobs and rebuild our nation's crumbling infrastructure using American materials and workers.

Throughout his career, John Garamendi has worked to make sure that everyone who works hard and plays by the rules can achieve their American Dream. Garamendi has been a leader in Congress in strong defense of Social Security, Medicare, and Medicaid/MediCal. He is resolutely opposed to benefits cuts to these services, and believes we can responsibly reduce the deficit without jeopardizing retirement security. He has also been a leader in Congress in the movement to strengthen American manufacturing. He is the author of Make It In America legislation that would ensure that when our tax dollars are used to invest in our transportation and clean energy infrastructure, American jobs come first. As a state legislator, he authored the first ever state clean energy tax credit, which resulted in the development of wind energy farms throughout Northern California, including Rio Vista. As a California State Senator representing a large rural district and as a statewide elected official, Garamendi authored and enforced a number of important laws to strengthen California agriculture. This includes the promotion of farmer's markets, prompt payment for commodities, buy California programs, expansion of rural health services, and support for the Williamson Act to help California farmers and preserve open space. As Insurance Commissioner, Garamendi reformed the state's Workers Compensation program, resulting in a 58 percent reduction in premiums. He also made the Department into the strongest state consumer

protection agency in America, bringing billions of dollars in rebates back to California consumers. As President Clinton's Deputy Interior Secretary, John spearheaded efforts to resolve water disputes in California and protect the Sacramento-San Joaquin Delta. He also helped shape the President's climate change policy and established habitat conservation plans in California. He graduated with a BA in business from UC Berkeley and an MBA from Harvard. John and Patti started their married life as Peace Corps volunteers teaching and doing community development

work in Ethiopia. Patti continues global service on sustainable development and educational opportunity. Rep. Garamendi has forged a reputation as a fierce defender of consumers and a visionary, effective leader. He possesses the unique wealth of knowledge and experience necessary to tackle today's complex challenges.



Amy Hutzel

State Coastal Conservancy

Amy Hutzel is Executive Officer at the State Coastal Conservancy, which works to protect and restore habitats, increase public access and recreation, and plan and implement nature-based climate change adaptation along the California Coast and in the San Francisco Bay Area. Prior to being appointed EO in November 2021, she served as the Deputy Executive Officer for six years and as the Bay Area Program Manager for nine years. She has served on the boards or advisory committees of the San Francisco Bay Joint Venture, the Bay Area Open Space Council, the San Francisco Estuary Partnership, and Resilient by Design. She has a bachelor's degree in urban and environmental planning from the University of Virginia.



Laura Kennedy

Woodard & Curran

Laura Kennedy is a Principal, Business Development Leader in the San Francisco office of Woodard & Curran, an integrated science, engineering, design-build, and operations firm focused on water and the environment. Laura has served on the Board of Directors for the Bay Planning Coalition (BPC) since 2013 and is President for BPC. She is a member of several BPC committees and received the BPC Outstanding Member Award in 2015. Laura's area of expertise is in human health and ecological risk assessments and risk management. She also has experience managing environmental investigation, remediation and regulatory permitting and compliance projects. Laura has a bachelor's degree in chemistry from Dartmouth College and a master's degree in toxicology from Massachusetts Institute of Technology. She is a third-generation Bay Area native and lives in Belmont with her husband and two sons.



Nuin-Tara Key

California Office of Planning and Research

Nuin-Tara Key is Deputy Director for Climate Resilience at OPR and Chair of the Technical Advisory Council for the Integrated Climate Adaptation and Resiliency Program. Prior to joining OPR, Nuin-Tara co-founded an international initiative on community-based climate action and has worked in public, private and non-profit sectors on sustainable urban and regional planning and policy, with a focus on social equity and climate change.



Roger Leventhal

Marin County Flood Control District

Roger Leventhal, P.E. is a Senior Engineer with Marin County Flood Control District. He oversees technical studies for sea level rise and climate change adaptation for Marin County with an emphasis on utilizing nature-based solutions and their integration with more traditional engineering approaches. Previously, Mr. Leventhal was in private consulting specializing in wetlands and creek restoration for approximately 25 years (12 years running his own firm). As a consultant, he was lead engineering designer for the Aramburu Bay beach restoration project in Marin County and is currently developing additional beach restoration projects at several locations in Southern Marin. Mr. Leventhal is an appointed member (now emeritus) of the Bay Conservation and Development Commission (BCDC) Design Review Board since 1997. He has a bachelor's degree in Geology (geomorphology) from UCSB and a Masters in Hydraulic Engineering from UC Berkeley.



Len Materman

OneShoreline

Len Materman is the Chief Executive Officer for OneShoreline, also known as the San Mateo County Flood and Sea Level Rise Resiliency District, which is the first independent government agency on the West Coast focused on building solutions to the climate change impacts of sea level rise, flooding, and coastal erosion. Previously, Materman was Director of Government Affairs at UC Berkeley, Special Advisor to the Director at FEMA, President of America's River Communities, Inc., and Executive Director of San Francisquito Creek Joint Powers Authority.



Mark Northcross

NHA Advisors

During a California public finance career that spans back to 1981, Mark Northcross has structured debt for nearly every kind of issuer and nearly every kind of revenue source legally available in the State. Mr. Northcross is a leader in California in negotiating both public-private partnerships and the workout of defaulted debt. He has negotiated public-private partnerships for the successful development of major mixed-use projects throughout the State, including such diverse communities as Davis, Fort Ord Reuse Authority, Hemet, Mammoth Lakes, Palmdale, Rocklin, South Lake Tahoe, and West Covina. Since the early-1990s, Mr. Northcross has negotiated the restructuring and workout of nearly \$250 million in either defaulted or highly stressed municipal bond issues. He is also a leader in negotiating joint ventures between different public agencies - with notable success in putting together bond funded risk sharing programs for cities, counties, and school districts in California. Mr. Northcross is a leader in

statewide work on climate change adaptation. He managed the delivery of a comprehensive funding guide for Resilience by Design, a Rockefeller Foundation funded program for the Bay Area. He works with the Bay Conservation and Development Commission, Bay Area Regional Collaborative, the Southern California Association of Governments and the Resources Legacy Fund on climate change adaptation issues. Mr. Northcross also serves on special climate change committees under the aegis of the City of Sacramento, the West County Wastewater District and the Coastal Hazards Adaptation Resiliency Group. With expertise in wildfire risk mitigation and funding, Mr. Northcross was invited by the Federal Reserve Bank of San Francisco to prepare an article on that subject for their Community Development Innovation Review publication, which was published in October, 2019. With a practice in water and sewer financing dating back to 1983, Mr. Northcross is very active in water and sanitation policy issues in California. He presently serves on the California Association of Sanitation Agencies SRF committee. Mr. Northcross also has hands-on experience as a CFO, serving since 2001 as treasurer for the West Point Inn Association, which runs a 117 year old hike-in hotel in the parklands of Marin County.



Eric Sapirstein

ENS Resources

Eric Sapirstein is the Founder and President of ENS Resources, a firm focused on legislative and regulatory affairs consulting for local and regional governments and private sector interests concerned with the protection of the environment and promotion of sustainable energy and water at the national and state levels of government. Previously, Sapirstein worked at the U.S. Environmental Protection Agency in the Office of the Controller and Office of Legislative and Congressional Affairs. He has a bachelor's degree in political science from Boston University and a Master's of Public Administration from the George Washington University.



Dilip Trivedi

Moffatt & Nichol

Dr. Dilip Trivedi is a Principal with Moffatt & Nichol in the San Francisco Bay Area, where he has been practicing for about 30 years and currently leads the Coastal Engineering practice. His area of expertise is coastal engineering, specifically in the areas of redevelopment of urban waterfronts; flood mitigation and adapting to sea-level rise; dredging and sediment management; hydrodynamics and wetlands restoration; and design of coastal structures. He obtained his Graduate degrees from Texas A&M University and his Undergraduate degree from Bangalore University.

Spring Summit Committee

Jaclyn Gnusti, Chair, Anchor QEA

Russ Barnes, Wilshire Consulting

Elijah Davidian, Environmental Science Associates

Ane Deister, HDR Engineering

Laura Kennedy, Woodard & Curran

Dilip Trivedi, Moffatt & Nichol

We are in a severe drought.
Say **goodbye** to water-
thirsty lawns and **hello** to
drought-resilient plants.



Valley Water's rebates pay you up
to **\$3,000** to transform your yard or
upgrade your irrigation system.
Visit watersavings.org to get started.



ESA is a 100% employee-owned environmental
consulting firm providing in-depth environmental
analysis of visionary projects around the Bay.



North Bay Baylands RCIS
Image: Ben Botkin

esassoc.com

Adaptation Funding Pathways



RESOURCES LEGACY FUND®
CREATIVE SOLUTIONS. LASTING RESULTS.

Climate Adaptation Funding Pathways Final Report

Executive Summary

Table ES.1. Proposed Funding Pathways for Climate Adaptation in California

Funding Pathway	1. Transportation funding for collaborative adaptation planning	2. Extreme heat policy and institutional reform	3. Resilience financing districts for funding climate change adaptation	4. Wildfire risk reduction funding pathway
Climate risks addressed	Sea level rise	Extreme heat	Multiple risks	Wildfire
Description	Expand an existing grant program to dedicate funds to collaborative regional transportation planning to adapt to sea level rise	Advance policies that lay the groundwork for funding extreme heat responses. Identify needed heat-related regulatory standards and establish a governance structure	Enable creation of Resilience Financing Districts that consolidate and expand currently authorized local government powers needed for funding and financing climate change adaptation.	Introduce (1) a small surcharge on all property and casualty insurance premiums statewide, and (2) a higher surcharge on insurance lines relevant to wildfire risk on properties within the wildland-urban interface.
Timeline for implementation	1-3 years	2-5 years	2-5 years	3-7 years
Estimated amount of funding this pathway could generate	\$10 million annually	Depends on scope of policy change. Seek to meet funding needs through a combination of public grants and incentives for private sector investment.	Depends on scale of district/ number of parcels, level of parcel-based fee, could range from tens of thousands to hundreds of millions of dollars annually	\$514 million annually
Social equity considerations	At least 50% of each project study area to include disadvantaged communities	Focus expenditures on low-income households and disadvantaged communities; anticipate impact on cost of housing	Creates a social equity fund for a mandatory allocation of RFD tax revenues and/or bond proceeds.	Focus expenditures on disadvantaged communities; potentially progressive tax structure
Implementation needs	Advocate for legislative change: Re-fund Caltrans program	Build coalition and advocate for legislative change	Build coalition and advocate for legislative change	Build coalition and advocate for legislative change

Planning for Sea Level Rise

STATE AGENCY SEA-LEVEL RISE ACTION PLAN FOR CALIFORNIA

FEBRUARY 2022

PREPARED BY



OCEAN
PROTECTION
COUNCIL

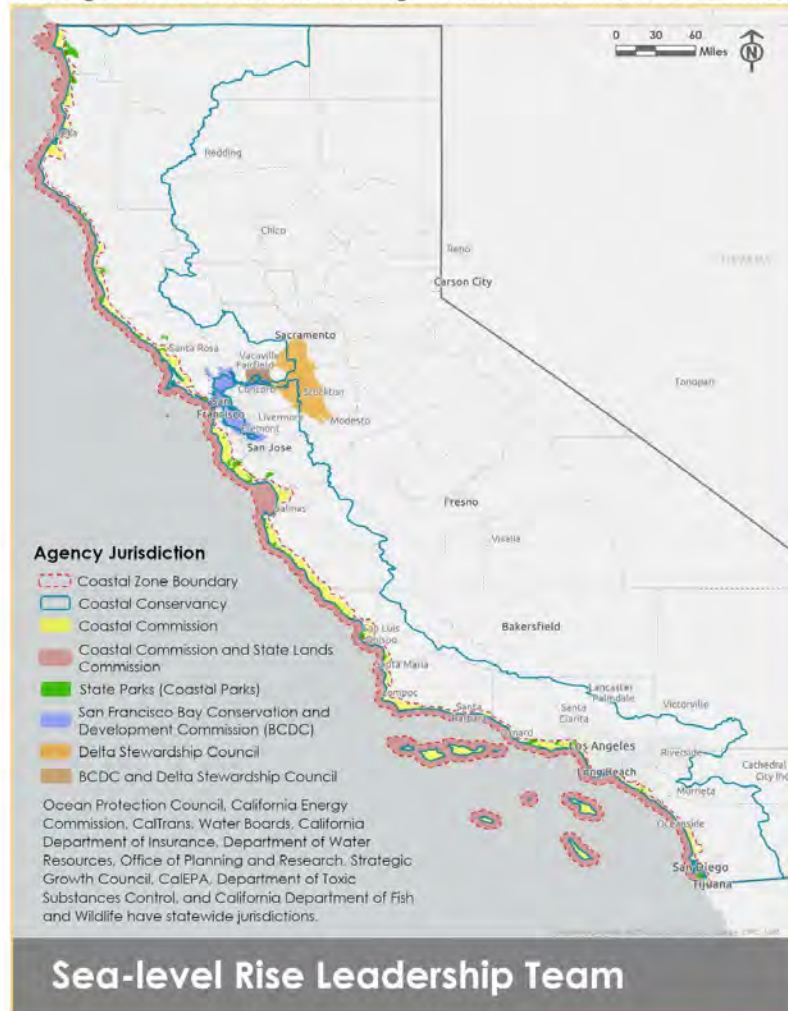
Working with 17 agency partners, the California Ocean Protection Council (OPC) developed this Action Plan with by incorporating the SLR Principles from the 2020 report, *Making California's Coast Resilient to Sea Level Rise: Principles for Aligned State Action*. Incorporating key themes from state agencies the OPC has presented action items within this report. Below, are the 7 principles and action items of critical importance:

1. Develop and Utilize Best Available Science
2. Build Coastal Resilience Partnerships
3. Improve Coastal Resilience Communications
4. Support Local Leadership and Address Local Conditions
5. Strengthen Alignment around Coastal Resilience
6. Implement and Learn from Coastal Resilience Projects
7. Integrate and Prioritize Equity and Social Justice

Coastal Jurisdictions & Related Agency Plans

Statewide Coverage

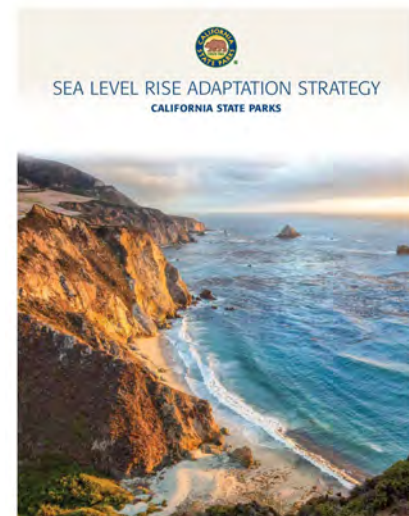
This map shows the coastal jurisdictions of our SLR Leadership Team agencies. While some agencies have clear coastal or regional boundaries, others are statewide.



Click an agency
plan to view!

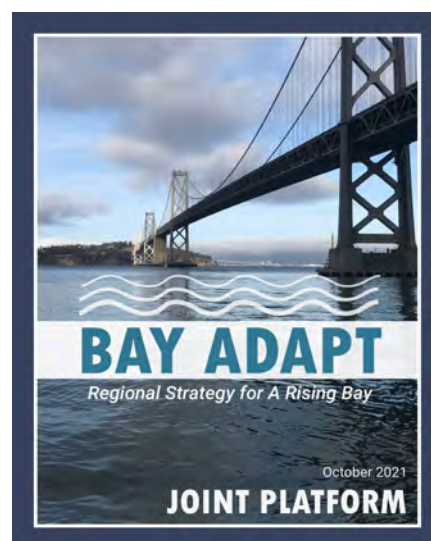


Delta Adapts:
Creating a Climate
Resilient Future



Critical Infrastructure at Risk
Sea Level Rise Planning Guidance for
California's Coastal Zone

Public Review Draft
August 2021



Bay Adapt: Regional Strategy for A Rising Bay

The Joint Platform

9 actions, 21 tasks, 1 region *moving forward together*

PEOPLE



Action 1: Collaborate on a "one Bay" vision to adapt to rising sea levels.

Task 1.1: Create a long-term regional vision rooted in communities.

Task 1.2: Lay the foundation for a proactive regional legislative agenda.

Action 2: Elevate communities to lead.

Task 2.1: Improve how communities and public agencies learn from each other and work together.

Task 2.2: Fund the participation and leadership of community-based organizations (CBOs) and frontline communities in adaptation planning.

INFORMATION



Action 3: Broaden public understanding of climate change science and impacts.

Task 3.1: Tell local and regional stories about people and places adapting to climate change.

Task 3.2: Weave climate literacy into school programs.

Action 4: Base plans and projects on the best science, data, and knowledge.

Task 4.1: Align research and monitoring with information gaps.

Task 4.2: Make scientific data, information, and guidance easier to use.

Task 4.3: Increase access to technical consultants for local adaptation partners.

PLANS



Action 5: Align local and regional plans into a unified adaptation approach.

Task 5.1: Provide incentives for robust, coordinated adaptation plans.

Task 5.2: Align state-mandated planning processes around adaptation.

Action 6: Figure out how to fund adaptation.

Task 6.1: Expand understanding of the financial costs and revenues associated with regional adaptation.

Task 6.2: Establish a framework for funding plans and projects.

Task 6.3: Help cities and counties expand ways to fund adaptation planning and projects.

PROJECTS



Action 7: Refine and accelerate regulatory approvals processes.

Task 7.1: Accelerate permitting for equitable, multi-benefit projects.

Task 7.2: Assess environmental regulations and policies that slow down progress on projects.

Action 8: Fund and facilitate faster adaptation projects.

Task 8.1: Incentivize projects that meet regional guidelines.

Task 8.2: Encourage collaboration among people doing projects in the same places.

Task 8.3: Facilitate faster construction of nature-based projects.

PROGRESS



Action 9: Track and report progress to guide future actions.

Task 9.1: Measure regional progress using metrics and share results.

Task 9.2: Monitor and learn from pilot projects.

Sustainable Development Advocates & Counsel

Full Service Law Firm | wendel.com

WWENDEL
ROSEN



SheppardMullin

Land use and real estate counsel
for projects shaping the Bay Area

How can we help you?

Contact Keith Garner,
Partner and Practice Group Leader,
at kgarner@sheppardmullin.com

Brussels | Century City | Chicago | Dallas | London | Los Angeles
New York | Orange County | San Diego (Downtown) | San Diego (Del Mar)
San Francisco | Seoul | Shanghai | Silicon Valley | Washington, D.C.

www.sheppardmullin.com

San
Francisco
Estuary
Institute | **SFEI**

*Delivering Science for
People and Nature*



FOR MORE INFORMATION
VISIT sfei.org

Get Involved!

BAY PLANNING COALITION POLICY COMMITTEES

Contact a BPC staff member about getting engaged in our policy committees.

Dredging & Beneficial Reuse Committee

Chairs: Josh Gravenmier, Arcadis; Scott Bodensteiner, Haley & Aldrich; Jan Novak, Port of Oakland

Sustainable Waterfronts Committee

*Chairs: Connie Lee, Cargill
Dilip Trivedi, Moffatt & Nichol*

Resilient Transportation Committee

Chair: David Carlson, Jacobs

Air Quality Committee

*Chairs: Amnon Bar-Ilan, Ramboll
Michael McGuire, Geosyntec*

Government Affairs Committee





*Chairs: Amara Morrison, Wendel Rosen LLP
Christian Marsh, Downey Brand*

Energy & Water Committee

*Chairs: Melanie Richardson, Valley Water
Scott Warner, BBJ Group*

To view upcoming meetings and sign up for updates, [click here](#).

The Vision of Bay Planning Coalition


-  Provide visionary leadership for San Francisco Bay stakeholders as an effective coalition that vigorously advances solutions for a thriving economy, environment and community.
-  The San Francisco Bay and its watershed reach up to Sacramento, Stockton, into the Central Valley and to the South Bay.
-  Stakeholders include businesses, regulatory agencies, local, state and federal government and non-profits.
-  The Bay Planning Coalition demonstrates its resiliency by providing timely solutions through our advocacy, policy and education.




Performance Through Preparation

We are an American-owned and operated marine solutions company providing a wide range of quality maritime services for each phase of a project, from design to execution.



Safety // Efficiency // Integrity

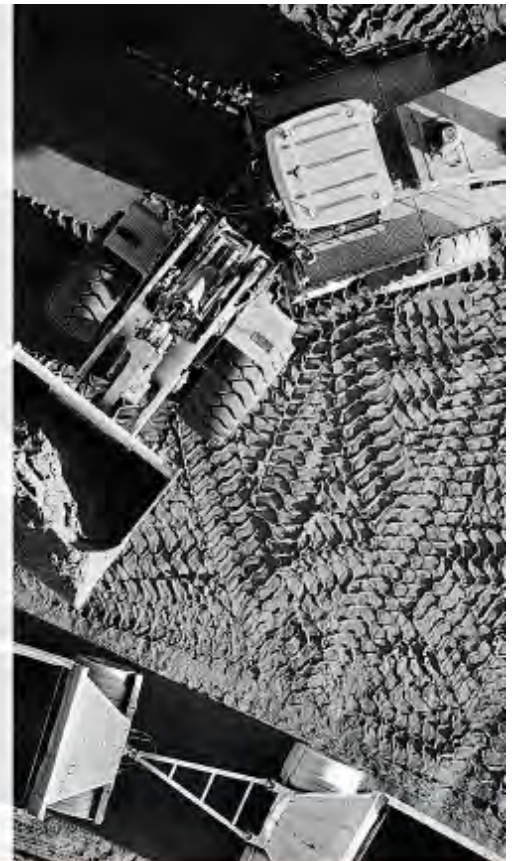
 Efficiency Integrity Innovation

 562 983 7257 |  info@curtinmaritime.com |  follow us @curtinmaritime | curtinmaritime.com



Stadiums. Highways. Schools. Homes. As a leading supplier of high-quality heavy building materials, Martin Marietta is proud to provide the solid foundation upon which our communities thrive. As a company, our values are safety, integrity, excellence, community and stewardship — and they influence every aspect of our business.

We're proud to continue serving our customers, communities and neighbors for generations to come.



Proud Sponsor of the 2022 Bay Planning Coalition Spring Summit

2022 Bay Planning Coalition

Board of Directors

BOARD OFFICERS

Laura Kennedy, *President, Woodard & Curran*
Jaclyn Gnusti, *Vice President, Anchor QEA*
Ane Deister, *Treasurer, HDR Engineering*
Anju Wicke, *Secretary, Geosyntec Consultants*

BOARD OF DIRECTORS

William Adams, *International Longshore Warehouse & Union*
Ammon Bar-Ilan, *Ramboll*
Michele Barlow, *Environmental Resources Management*
Russel Barnes, *Wilshire Consulting*
Linda A. Blue, *Pacific Inter-Club Yacht Association*
Scott Bodensteiner, *Haley & Aldrich*
William Butler, *Lind Marine, Inc.*
Brian Cooney, *Marsh Risk and Insurance Services*
Virginia Demetrios, *Arcadis*
Bill T. Dutra, *The Dutra Group*
Lauren Gularte, *Water Emergency Transportation Authority*
Arielle Harris, *Miller Starr Regalia*
Eric Hinz, *Kleinfelder*
Jim Holland, *Levin-Richmond Terminal Corp.*
Brian Hubinger, *Chevron U.S.A., Inc.*
David Ivester, *Briscoe Ivester & Bazel LLP*
James D. Levine, *Montezuma Wetlands LLC*
Patrick Mapelli, *Graniterock*
Christian Marsh, *Downey Brand LLP*
James McNally, *Manson Construction Company*
Amara Morrison, *Wendel Rosen LLP*
Ric Notini, *Cargill*
Gary Oates, *Environmental Science Associates*
Diane Oshima, *Port of San Francisco*
Melanie Richardson, *Valley Water*
John Schneider, *Marathon Petroleum Corporation*
Brad Sherwood, *Sonoma Water*
Richard Sinkoff, *Port of Oakland*
Dilip Trivedi, *Moffatt & Nichol*
Ellis A. Wallenberg III, *Weiss Associates*
Scott Warner, *BBJ Group*
Martha Whetstone, *San Francisco International Airport*
Jeff Wingfield, *Port of Stockton*
Kristine Zortman, *Port of Redwood City*

2022 Bay Planning Coalition Members

AECOM
Aeolian Yacht Club
Almar Management, Inc.
AMPORTS/Port of Benicia
Anchor QEA
Andeavor
Arcadis U.S.
Argonaut Company
Associate Capital
AWR Environmental
Bay Area Clean Water Agencies
Bay Area Council
Bay Crossings
BBJ Group
Bel Marin Keys CSD
Bellingham Marine Industries
Berg Holdings
BKF Engineers
Bonnie Lowrie-Preston
Briscoe Ivester & Bazel, LLP
California Capital & Investment Group
California Strategies, LLC
Cargill
CDIM Engineering
Central Contra Costa Sanitary District
Chevron
City of Alameda
City of Foster City
City of Martinez
City of San Leandro
City of Vallejo
Clipper Yacht Company, LLC
Contra Costa County Water Agency
Council of Industries
Cox Castle & Nicholson, LLP
CSW/Stuber-Stroeh Engineering Group, Inc.
Curtin Maritime
DivcoWest
DMB Pacific Ventures
Downey Brand LLP
Dudek
Eagle Rock Aggregates
East Bay Dischargers Authority
East Bay Economic Development Alliance
East Bay Leadership Council
East Bay Municipal Utility District
Ellen Joslin Johnck Consulting
ENGIE Services
Emeryville Marina
ENS Resources, Inc.
Environmental Resources Management
Environmental Science Associates
Foth Infrastructure & Environment LLC
Four Twenty Seven
Friends of the Canal
Futureports
Gahagan & Bryant Associates, Inc.
Geosyntec Consultants, Inc.
GHD
Ghilotti Construction
Golden Gate Bridge, Highway, & Transportation District
Graniterock
Greeley and Hanson
Haley & Aldrich
HDR
Hogan Lovells LLP
ILWU International
Integral Consulting
Jacobs
Kearns & West
Keech Properties
Kennedy/Jenks Consultants
Kleinfelder
Krupka Consulting
Levin Richmond Terminal Corp.
Lind Marine, Inc.
Lipton Environmental Group LLC
Manson Construction Co.
Mare Island Dry Dock
Marin Water
Marina Recreation Association
Marina Vista Improvement Club

**Marine Exchange of the San Francisco Bay
Region**

Marine Science Institute
Marsh Risk and Insurance Services
Martin Marietta
MetroCruise/MetroPorts
Michael Rafferty
Miller Starr Regalia
Moffatt & Nichol
Montezuma Wetlands, LLC
Napa Yacht Club Home Owners Assoc.
NHA Advisors
Noble Consultants, Inc.
Northern California Marine Assoc.
Northgate Environmental Management
Oakland Athletics
Oakland Metropolitan Chamber of Commerce
Operating Engineers - Local 3
Overaa Construction
Pacific Gas & Electric
Pacific EcoRisk
Pacific Inter-Club Yacht Assoc.
Pacific Maritime Group
Pacific Merchant Marine Council
Navy League of the U.S.
Pacific States Environmental Contractors
Paradise Cay Homeowners Assoc.
Parsons Corporation
PBF Energy - Martinez Refinery
Perkins Coie LLP
Phillips66
Pile Drivers Local Union #34
Port of Oakland
Port of Redwood City
Port of San Francisco
Port of Stockton
Power Engineering Construction Co.
Princess Cruises
PROP SF
Ramboll Environmental
RES
Sailors' Union of the Pacific
San Francisco Bar Pilots
San Francisco Bay Joint Venture
San Francisco Estuary Institute
San Francisco International Airport
San Francisco Maritime National Park Assoc.

San Francisco Public Utilities Commission
San Francisco Waterfront Partners, LLC
San Mateo County Economic Development Agency
San Mateo County Harbor District
Valley Water District
Santa Cruz Port District
Seaport Industrial Association
Sheppard, Mullin, Richter & Hampton LLP
Silverado Contractors
Sims Metal Management
Solano Economic Development Corp.
Sonoma County Water Agency
Stantec
Stice & Block
Strawberry Recreation District
Terminal One Development LLC
Terraphase Engineering
The Covello Group
The Dutra Group
The Industrial Assoc., Inc. of Contra Costa
The Kos Read Group, Inc.
The Maritime Alliance
Tideline
Trans Bay Cable Project LLC
TranSystems Corp.
Urban Economics
Valero Energy Corporation
Venable LLP
Vortex Marine Construction, Inc.
Water Emergency Transportation Authority
Watermaster
Weiss Associates
Wendel Rosen Black & Dean LLP
Western States Petroleum Assoc.
Western Wood Preservers Institute
Westpoint Harbor
Wildlands
Will Price
Wind+Wing Technologies, Inc.
Wood Environment & Infrastructure Solutions
Woodard & Curran
Woodstock Development
WRA, Inc.