

April 7th Commission Workshop Key Actions

Vulnerability Assessments

- Complete multi-sector, county-scale sea level rise vulnerability assessments for all 9 counties using a consistent approach (such as ART)
- Assess the vulnerability of the region's housing, neighborhoods, disadvantaged communities and Priority Development Areas (PDAs)
- Assess the vulnerability of regional systems and networks, with a particular focus on transportation
- Assess the vulnerability of the region's Baylands, shorelines, tidal creeks and tidal channels
- Assess the primary contributors to the regional economy, e.g., seaports, airports and large employment sites

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Incentives

- Develop incentives for directing new capital investments away from areas at risk from sea level rise
- Develop incentives for protecting existing capital investments at risk from sea level rise
- Develop incentives for green infrastructure adaptation projects (e.g., access to funding, streamlined permitting processes or relaxed permitting conditions)
- Develop incentives to protect or relocate community facilities, in particular those that serve vulnerable or disadvantaged communities, that are at risk from sea level rise,
- Develop incentives for property owners to repurpose below grade living spaces in areas at risk from sea level rise to less vulnerable or temporary uses

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Funding

- Pilot innovative financing tools to advance adaptation, e.g., resilience bonds, micro-contributions, public-private partnerships and climate action funds
- Re-purpose existing financing tools to advance adaptation, e.g., enhanced infrastructure financing districts, bonds, tax credits, geologic hazard abatement districts, special district, revolving loan fund programs, municipal enterprise funds and joint powers authorities
- Leverage state and federal pre- and post-disaster funds to create flood resilient communities
- Require all regionally funded programs and projects to consider sea level rise and future storm event flooding

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Research and Analysis

- Develop an approach for prioritizing regional sea level rise research needs
- Advance the understanding of how Baylands will respond to accelerating sea level rise and declining sediment supplies
- Document the flood risk reduction benefits of Baylands on upland communities and assets
- Research the regional impact of rising sea levels on groundwater, salinity intrusion and liquefaction susceptibility

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Data and Information Collection and Sharing

- Develop consistent regional asset and flood hazard datasets built from locally validated data
- Identify and fund a regional public entity to be a “go-to” sea level rise data repository
- Establish an early detection network to monitor marsh elevation trends relative to sea level rise
- Create a better way for Bay Area residents to access locally-relevant data and information about flooding

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Guidance and Support

- Create regionally relevant guidance for incorporating sea level rise into General Plan updates, particularly the Safety Element, to support the implementation of SB 379 (Jackson)
- Create a framework for open, transparent, and well publicized adaptation planning and decision making
- Develop guidance for how to plan and implement a mix of grey and green infrastructure to address sea level rise
- Provide guidance on regionally agreed upon sea level rise projections, water level data and future inundation mapping
- Provide Help Desk technical assistance and support for assessing vulnerability and evaluating, selecting and implementing climate resilience actions

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Regulations

- Require all capital improvements and infrastructure investments to be resilient to sea level rise for the expected life of the structure
- Change existing regulations to better allow for the consideration of sea level rise impacts in permitting and decision-making
- Leverage existing or develop new regulations to advance rolling easements, managed retreat and transfer-of-development-rights
- Require infrastructure be built or rebuilt for sea level rise using current codes and standards that reflect future conditions

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Plans and Policies

- Create a regional sea level rise adaptation plan that serves as a framework for implementing early and future actions
- Consider sea level rise in all regional and county transportation plans
- Prepare a comprehensive recovery plans to direct how disaster recovery funds are used after a flood event
- Develop and implement a Regional Sediment Management Plan
- Better align regional plans and policies to advance sea level rise adaptation

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Public Education and Outreach

- Develop a public engagement plan to educate community groups, businesses, NGOs and other critical stakeholders about sea level rise so they can participate in developing and prioritizing actions
- Support regional and local science and interpretive centers, and parks and recreation areas in educating the public about sea level rise, community vulnerabilities and actions to be taken
- Develop community-led education and outreach campaigns in multiple languages to inform residents about the risks of sea level rise and storm events

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Stakeholder and Community Engagement

- Provide public funds to community-based organizations so they can participate in climate resilience building efforts
- Coordinate with non-profit, community and faith-based organizations to build strong social networks in neighborhoods, in particular vulnerable and disadvantaged communities

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Physical Strategies for Adaptation

- Prioritize the development and implementation of physical interventions to protect regionally significant assets from flooding
- Install manual, remote control, or automatic temporary barriers or waterproof closures to protect at- or below-grade critical elements of regionally significant infrastructure
- Test and build green solutions that reduce shoreline and/or riverine flood risks that will increase as sea levels rise
- Install green infrastructure watershed solutions, for example upstream storage, green streets, or low-impact designs, to reduce flood risk along the shoreline

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Institutional Arrangements

- Explore new institutional arrangements, such as a regional authority, to empower the regional agencies to address the impacts of climate change together
- Create a regional sea level rise adaptation plan modeled after the Regional Transportation Plan
- Encourage the development of joint powers authorities, memorandums of understanding or regional authorities to develop and implement actions that increase regional resilience
- Expand or form public-private partnerships to facilitate shared planning, decision-making, and funding of multi-objective climate resilience projects
- Develop agreements among networked infrastructure managers that clearly identify shared decision-making and funding responsibilities related to sea level rise maintenance, repair or upgrades

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Collaborations

- Create and support a regional stakeholder working group that evaluates regional issues and recommends regional actions and priorities
- Engage with federal agencies including FEMA, NOAA, EPA and USGS to better coordinate efforts regarding coastal hazards and smart growth guidance and funding
- Develop a collaborative research and monitoring program to improve the understanding of sea level rise impacts that includes federal, state, regional, academic and NGO participants

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Advocacy and Influence

- Advocate for repeal of Proposition 218 to alleviate the funding constraints on stormwater and flood control management
- Seek the influence of state and federal officials in obtaining the participation of key stakeholders, such as national infrastructure owners and state/federal agencies, in sea level rise planning
- Influence the 2017 update to Safeguarding California to ensure it is regionally relevant
- Advocate for the consideration of regional issues, actions and priorities in state and federal regulatory and funding programs