

Assembly Select Committee on Sea Level Rise & the California Economy

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Climate Change & Sea Level Rise

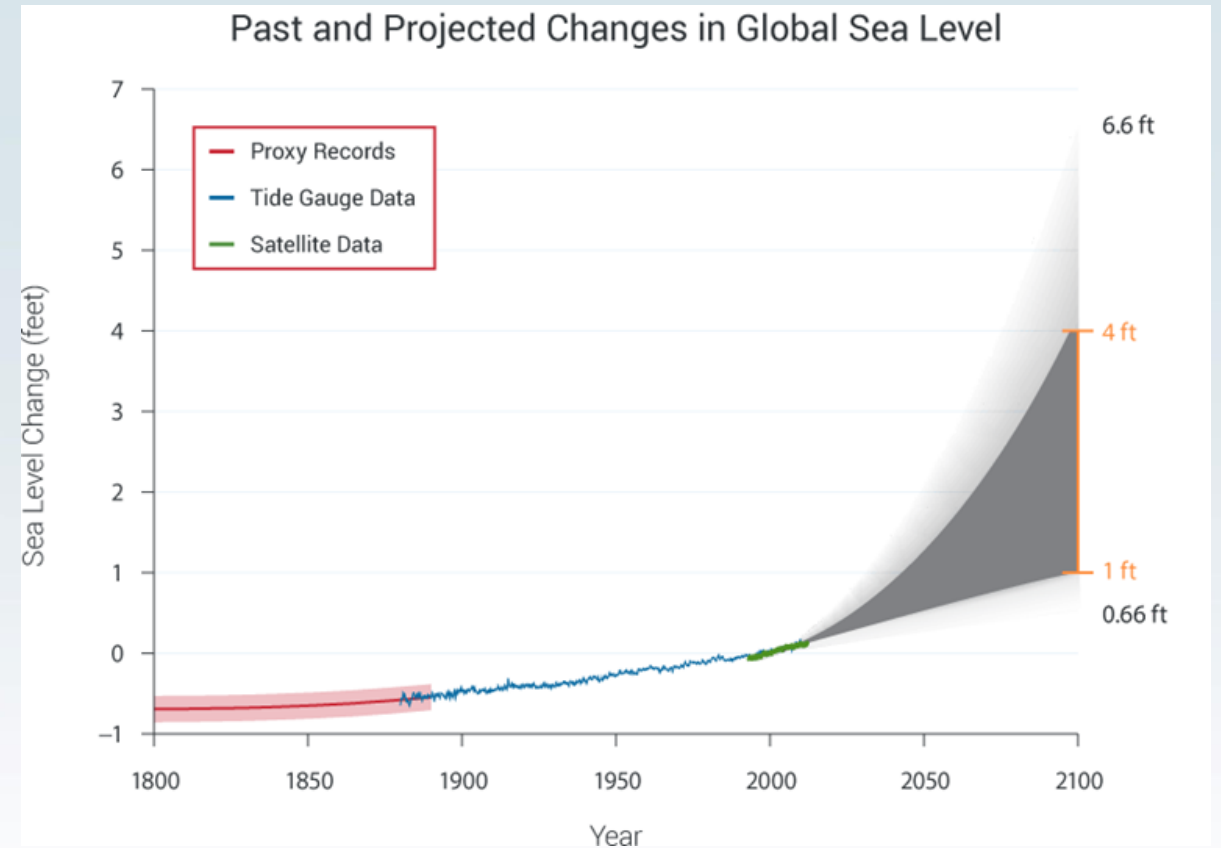
State Water Board Resolution No. 2017-0012

San Diego Water Board Resolution R9-2018-0051

San Diego Water Board Practical Vision:

“Proactively safeguard beneficial uses from the negative impacts of climate change, with an emphasis on equity and environmental justice”

Regulatory tools – WDRs, NPDES Permits, 401 certifications, enforcement actions and SEPs



Risks to Infrastructure & Beneficial Uses Associated with Sea Level Rise

- Storm Surges & Coastal Flooding
- Infrastructure
 - Transportation, water/wastewater, electrical, and communications infrastructure
 - Rail - LOSSAN
 - Adaptation & Repair costs are high
- Pollution
 - Clean Up Sites
 - Sewer Spills
 - Mitigation & Remediation
- Beach and Bluff Erosion
 - Infrastructure & property
 - Loss of access
- Coastal Wetlands
 - Habitat
 - Services & Functions Beneficial Uses
 - REC, COMM, MAR, EST, WILD, RARE, MIGR, SPWN, SHELL
- Coastal Ground Water Quality
 - Saltwater Intrusion
 - Drought Resilience
 - Treatment Costs

Sea Level Rise Response, Adaptation & Innovation

- Climate Change Action Plans
 - POTWs
 - Storm Water
 - Landfills
- Sewerage Collection Systems
 - Hardening and flood proofing
 - Increased inflow and infiltration
- Coastal Clean Up Sites
 - Sea Level Rise Reviews
 - Land and bay clean ups
- Coastal Wetlands
 - Southern California Wetlands Recovery Project Regional Strategy (2018)
 - 4 Adaptation Goals
 - Protect & Restore Resilient Tidal Wetlands
 - Preserve & Restore Streams & Non-Tidal Wetlands and Transition Zones
 - Education & Public Access
 - Advance Science of Wetland Restoration & Management
 - Durable/Adaptive Mitigation
 - Streamlined Permitting
 - SONGS (complete)
 - Poseidon (complete)
 - Tijuana Estuary Tidal Restoration Project (planned)
 - Mission Bay (planned)

Sea Level Rise Adaptation Partnerships

- Multi-agency & multi sector collaboration
 - State -RWQCBs, CDFW
 - Federal – USN, ACOE, USFWS
 - Local agencies – Cities, Counties, Harbors & Ports
 - Community based organizations
 - Academia – Scripps, Southern California Coastal Water Research Project
- Industry Groups
 - San Diego Bay Working Water Front
 - Building Industry Association
 - Industrial Environmental Association
 - California Association of Sanitation Agencies



Questions and Discussion

