

Council Members



Wade Crowfoot Secretary for Natural Resources, Council Chair



Betty T. Yee



Jared Blumenfeld Secretary for Environmental Protection



Ben Allen, State Senate



Mark Stone, State Assembly



Public Member



Jordan Diamon Public Member



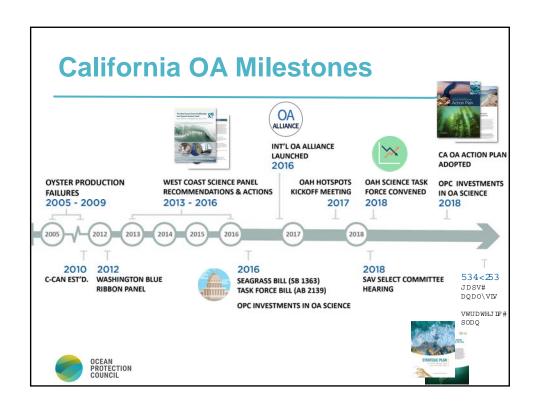
Our Mission and How We Work

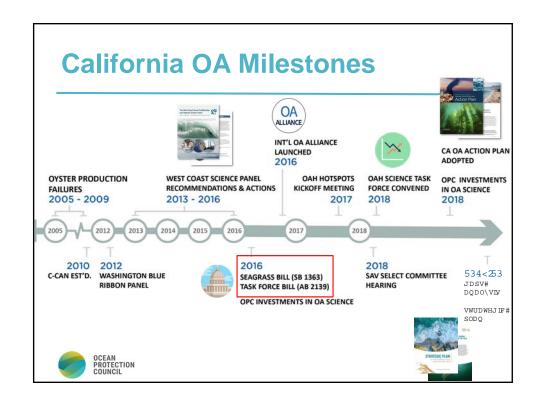
California Ocean Protection Act, 2004:

Ensuring healthy, resilient, and productive ocean and coastal ecosystems for the benefit of current and future generations. Committed to basing decisions and actions on best available science, and promoting the use of science among all entities involved in the management of ocean resources.









Legislation

SB 32 (Pavley, 2016) and AB 32 (Nunez, 2006) Statewide limit on GHG emissions

- Landmark legislation requiring California to reduce its overall greenhouse gas emissions to 1990 levels by 2020 and 40% below 1990 levels by 2030.
- By reducing emissions, we can better protect our marine ecosystems from the impacts of warming and OA.



Gov. Jerry Brown signs SB 32 on Sept 8, 2016



Legislation

SB 1363 (Monning, 2016) Ocean Protection Council: Ocean Acidification and Hypoxia Reduction Program

- Research how eelgrass functions for carbon dioxide removal and OA mitigation
- Identify where conservation or restoration of aquatic vegetation can be applied to mitigate OA
- 3. Consider this benefit, among many others when restoring and conserving this habitat
- Support science, monitoring and coordination to ensure management reflects best available science





Legislation

AB 2139 (Williams, 2016) Ocean Protection Council: Ocean Acidification and Hypoxia Task **Force**

- Directs the OPC to establish an OAH science task force to ensure that Council decision-making is supported by the best available science
- Requires the Council to annually adopt recommendations for further actions that may be taken to address OAH



CHAPTER 352

An act to add Section 35631 to the Public Resources Code, relating to



Task Force Members



Steve Weisberg Co-chair Southern California Coastal Water



Shallin Busch NOAA Northwest Fisheries Science Center



Francis Chan Co-chair Oregon State University



Sarah Cooley Ocean Conservancy



Jim Barry Monterey Bay Aquarium Research Institute



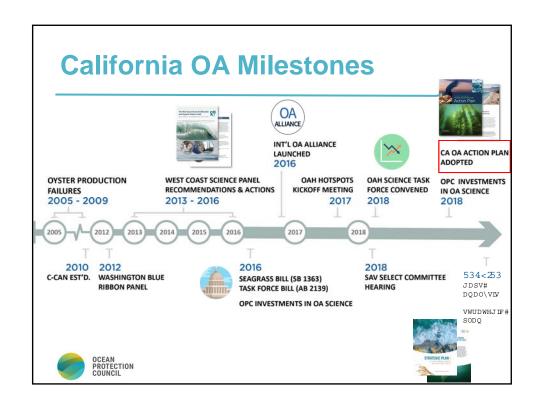
Richard Feely NOAA Pacific Marine Environmental



Alexandria Boehm Stanford University



Lisa Levin University of California, San Diego





10-year vision designed for integration into public agency operations

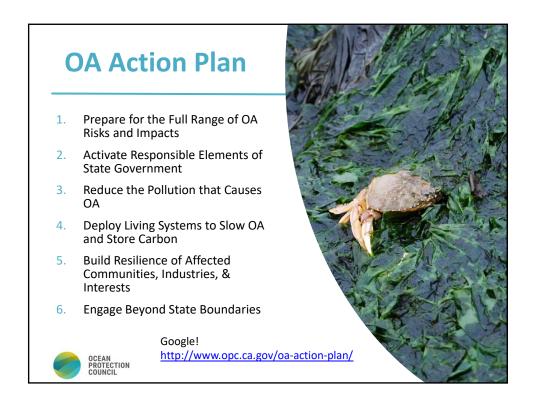


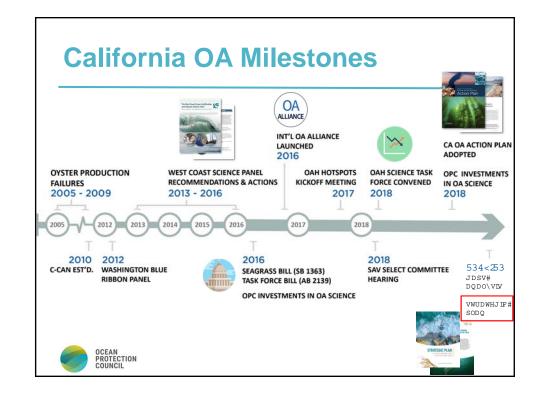
- Developed with input from 60+ experts across landscape
 - Ocean-use industries, state & fed gov, conservation community, science, and philanthropy
- OAH Science Task Force input
 - o Input & development of science implementation appendix
- Applied learning from other regions
 - WA, OR, ME, BC, Monaco, Latin America & the Caribbean, and the OA Alliance Toolkit





October 2018





Strategic Plan

Goal 1: Safeguard Coastal and Marine Ecosystems and Communities in the Face of Climate Change

Objective: Minimize Causes and Impacts of Ocean Acidification and Hypoxia

Targets..





Target 1.2.1:

Based on the latest scientific research, advance adoption of regulations, as needed, establishing WQ criteria for OAH by 2025, with scientific analysis of the relationship between nutrients and OAH impacts completed by 2022.

- Coupled physical-biochemical model and scenarios
- Biological thresholds
- Next steps: continue to refine model scenarios and biological impact linkage





Target 1.2.4:

Work with partners and make targeted investments to support the development of an OAH monitoring and observation system optimized to deliver decision-relevant information that serves user needs by 2023

- OAH monitoring inventory
 https://oceanmonitoring.cnra.ca.gov/Analytics
- OAH Science Task Force monitoring gaps analysis
- Next steps: coordinate with partners to fill gaps and streamline information delivery





Target 1.2.4:

Advance the science on OAH vulnerability and identify risks to California's biological resources, communities, and economies, within the context of other ongoing environmental changes

- Biological vulnerability and thresholds
- Raise awareness
- Options for adaptation and mitigation





Target 3.1.4:

Work with partners to preserve the existing, known 15,000 acres of seagrass beds and create an additional 1,000 acres by 2025

- Role of SAV in ameliorating OA
- Blue carbon
- Multi-benefit





Target 3.6.1:

Create an annual California State of the Coast and Ocean Report starting in 2021 and a Report Card by 2025 (utilizing a scientific, indicator-based approach to grading the State of California's Coast and Ocean)

- OAH monitoring and observation system
- Analysis, synthesis, indicator development







