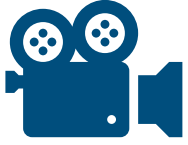


Draft Seawater Desalination Siting and Streamlining Report to Expedite Permitting

Webinar July 21, 2023

Housekeeping



The recording and presentation will be shared on the https://www.waterboards.ca.gov/water_issues/programs/ocean/desalination/



Draft Seawater Desalination Siting and Streamlining Report to Expedite Permitting can be found here: [The Draft Report](#)



Post questions in the Zoom Q&A feature at any time. For closed captioning, please log into the webinar via Zoom.



Submit written comments on the Draft Report by noon July 28th

Speakers



Joaquin Esquivel
Board Chair



Tom Luster
Senior Environmental
Scientist



Alexandra Borack
Environmental
Program Manager



Karen Mogus
Deputy Director



Javier Padilla Reyes
Environmental
Justice Analyst



Kaitlyn Kalua
Water Quality
Program Manager



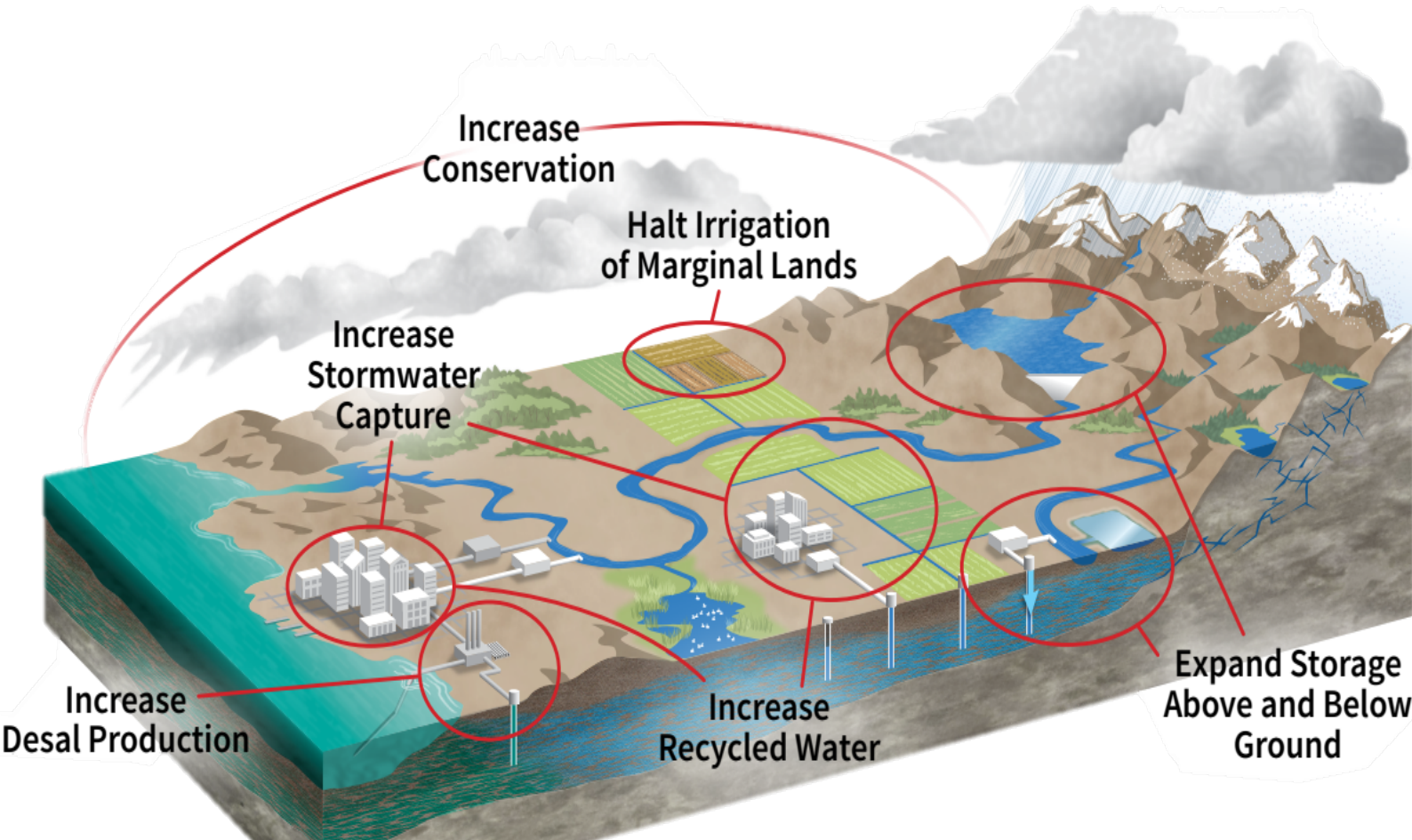
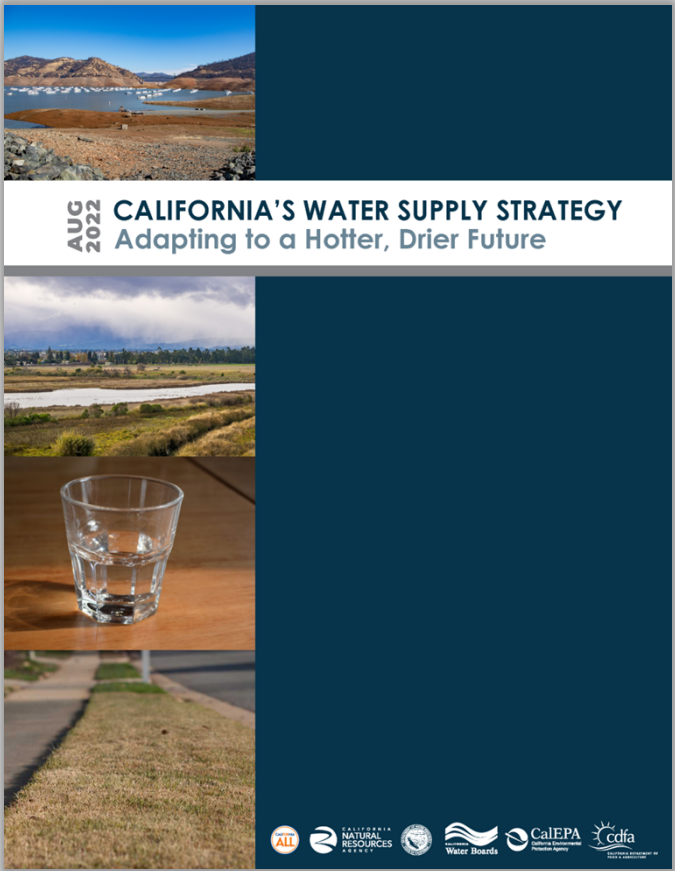
Clifton Herrmann
Environmental
Scientist



Kristopher Tjernell
Deputy Director



California's Water Supply Strategy



Water Supply Initiatives

Develop

new water through recycling and desalination



Reduce

use of water in cities and farms



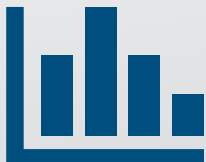
Capture

and save more stormwater, above ground and below ground



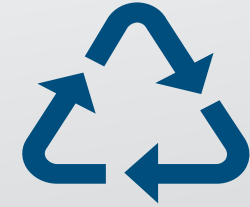
Improve

all water management actions with better data, forecasting, conveyance, and administration of water rights.



Develop

new water through
recycling and desalination



Help drought-proof
communities



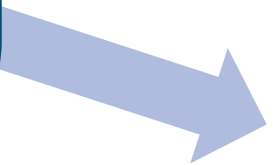
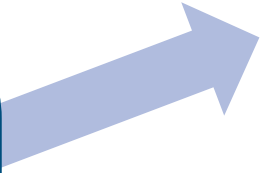
Build water resilience
along the coast



Improve permitting
process



Water Supply Strategy Seawater Desalination Implementation Actions



Develop siting criteria for seawater desalination facilities to streamline permitting

Identify potential available mitigation sites

State Water Board staff develop proposed amendments to the Ocean Plan seawater desalination requirements

California Water Boards

California Department of Water Resources

California Ocean Protection Council



California Department of Fish and Wildlife



California State Lands Commission

Seawater Desalination Interagency Group

California Coastal Commission



NOAA Fisheries

California Natural Resources Agency



California Coastal Conservancy



The Approach: Recommendations



**Recommendations
for Project
Proponents**



**Recommendations
for Agencies**

Concurrent review



Engage with all Agencies early in the planning process and submit applications to as many Agencies as possible for concurrent review.



Update Agency joint Memorandum of Agreement to articulate the process for concurrent review

Identified Need



Engage in integrated water resources management planning

Maximize the use of all available conservation measures

Project is sized for identified need for desalinated water



Update the Ocean Plan to include additional direction

Update DWR Guidebook for Urban Water Management Plans

Environmental Justice



Address project impacts to communities of concern

Meaningful community involvement

Culturally appropriate engagement

Shared decision-making



Consider water affordability and environmental justice when permitting seawater desalination



Environmental Justice

Best practices

Early outreach

Community needs

Trust-building

Incorporate feedback

Adjust meeting practices

Accessibility

Hydrogeologic Siting



Site where subsurface intakes are feasible

Minimize freshwater withdrawal

Utilize water conveyance

Site-specific assessments



Convene Subsurface Intake Panel

Recommend an analytical approach to evaluate the feasibility of subsurface intakes

Develop subsurface intake feasibility assessment report

Mitigation



Secure the rights to mitigate proposed sites

Site and design projects to minimize impacts

Identify mitigation options early

Time the mitigation projects



Identify potential available mitigation sites

Provide additional direction for planning and implementing mitigation projects

Define “restoration”, “creation”, “enhancement” in the Ocean Plan amendment

Hazards



Identify sites and design that minimize risks associated with Hazards

Analyze projected sea level rise, erosion rates, flooding and storm events, and seismic information



Compile the siting criteria as it relates to Hazards

Coordinate analyses among Agencies

Tribal Consultation

- Early outreach
- Avoid areas of Tribal significance
- Maintain collaboration during planning and permitting process

Intake and discharge siting

- Ocean Plan:
 - Minimize intake and mortality of all forms of marine life
- Not located within an MPA or SWQPA

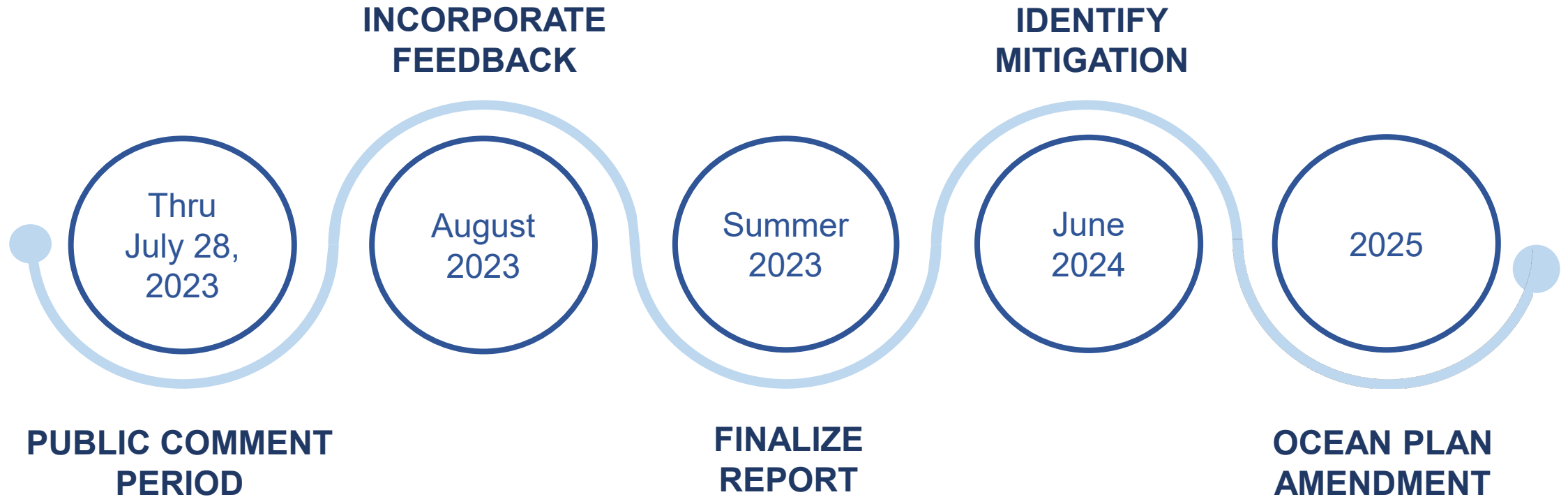
Brine Discharge

- Comingle with treated wastewater
- Positively or neutrally buoyant plume
- Prevent salinity and shearing-related mortality

Energy

- Maximize energy efficiency
- Net carbon neutral
- Renewable energy
- Optimize energy efficiency with new technologies

Next Steps





Further information on

https://www.waterboards.ca.gov/water_issues/programs/ocean/desalination/



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We look forward to hearing from you!

The Public Comment period is open to submit comments



Send comments to Courtney Tyler, Clerk to the State Water Board, by email at commentletters@waterboards.ca.gov (must be no more than 15 megabytes); fax at (916) 341-5620; or mail or hand delivery at:

Courtney Tyler, Clerk to the Board
State Water Resources Control Board
P.O. Box 100, Sacramento, CA 95812-2000 (mail)
1001 I Street, 24th Floor, Sacramento, CA 95814
(hand delivery)

Public comment period ends noon July 28, 2023