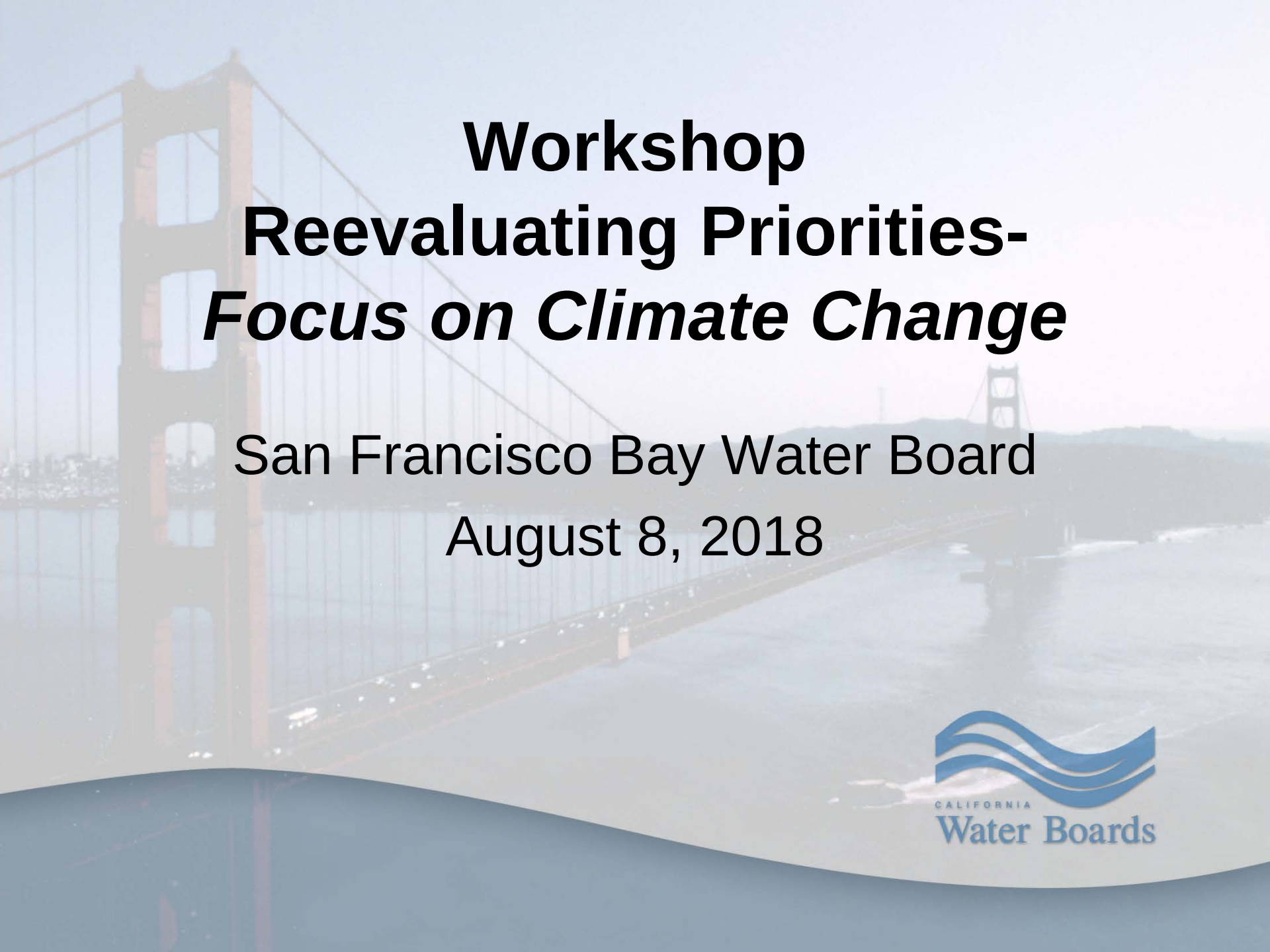




Workshop **Reevaluating Priorities-** ***Focus on Climate Change***

San Francisco Bay Water Board
August 8, 2018



Agenda

- Welcome and Introduction- Lisa, 5 min
- Opening- Jayne, 10 min
- Conditions re: water quality and habitat - Lisa, 10 min
- Defining Goals- All, 30 min
- Considering Current Actions- Lisa, 10 min
- What's Missing- All, 30 min
- Next Steps- Lisa, 5 min
- Wrap Up- Bruce, 5 min



Welcome and Introduction

- Who's here?
- Fall 2017- reevaluate priorities
- Spring 2018- focus on climate change
- April 2018- inventory of current activities
- Aug 2018- Workshop

Focus: *protect habitat and water quality
from the future impacts of climate change*



Opening- Board Member Battey

What signs
of climate change
have you personally seen
in the past five years?



Current Conditions- Climate Change Intersections with Water Quality and Habitat

- Vulnerability of wastewater facilities
- Vulnerability of tidal marshes and habitat
- Vulnerability of contaminated cleanup sites
- Erosion, stream stability and sediment supply



Wastewater Treatment Facilities

***Vulnerable
to
Sea level Rise***



8/8/2018

Marshes at Risk of Drowning or Shrinking



8/8/2018



Flooding Impacts on Fisheries and Riparian Zones



Fire, Heat, Drought

CLIMATE & WEATHER

Record heat in California is no fluke, experts warn

By Rong-Gong Lin II and Javier Panzar, Fresno Bee, 8/5/18

SAN FRANCISCO – At Scripps Pier in San Diego, the surface water reached the highest temperature in 102 years of records, 78.8 degrees.

Scientists see fingerprints of climate change all over California's wildfires

By Kurtis Alexander, San Francisco Chronicle, 8/3/18

Much of the heat that's gripped California and hastened the spread of deadly wildfires recently is due to a strange but familiar shift in the jet stream — one that's haunted the West with threatening fire conditions in the past and could cause more hot, dry spells in the future, especially with a changing climate.

Waters off Southern California coasts reach record high temperatures

By Dennis Romero, NBC News, 8/4/18

Parts of the Pacific are warming up and drawing surfers and fisherman — but that's not necessarily good news.

A Vicious Climate Cycle: Droughts are becoming hotter, raising risk of wildfire, scientists say

By Amina Khan, Los Angeles Times, 8/2/18

Droughts don't just make a place drier. As new research shows, they also make it hotter.

From Department of Water Resources news feed, August 6, 2018



Defining Goals for Addressing Climate Change

- Small Group Discussion
 - Review Goals
 - Modify or Add
 - Prioritize
- Report out – top two priorities, other observations



Goals for Addressing Climate Change

1. *Focus on nexus between climate change impacts and water quality/habitat protection*
2. *Continue/expand partnerships with organizations and communities in the bay area addressing climate change*
3. *Assess and address risks/vulnerabilities due to anticipated sea level rise, increased flooding and drought on 1) aquatic habitat and water-quality related infrastructure (e.g. water treatment facilities, including contaminated cleanup sites, wastewater treatment and collection systems)*
4. *Rely on best science and regional monitoring to indicate impacts, improvements, trends in bay and watershed conditions related to climate change and sea level rise*
5. *Use Basin Plan policies and permitting authorities to address climate change and sea level rise adaptations, including streamlining permitting and easing mitigation expectations for resiliency projects; allowing beneficial reuse of dredge materials and treated wastewater for wetlands; and increasing green infrastructure, water recycling and groundwater recharge*



Considering Current Actions and Activities

- Web Page to improve communication
- Contaminated site clean up
- Wastewater treatment plants
- Shoreline and wetland protection
- Wetland policies
- Regional planning and adaptation
- Water recycling projects
- Stormwater capture



Considering Current Actions and Activities

- Small Group Discussion
 - What's missing
 - Prioritize
- Report out – top two priorities, other observations



Next Steps

- Revise goals and/or activities
- Provide additional opportunities for input
- Discuss Ocean Protection Council's current sea level rise guidance at October Board Meeting
- Affirm goals and activities at Board meeting
- Establish Board priorities for 2019-2020
 - Future opportunities for public input
 - Future Board workshops and meetings



Resources and Contact

- Water Board Web Page
 - https://www.waterboards.ca.gov/sanfranciscobay/water_is_sues/programs/climate_change/
- Lisa Horowitz McCann, Assistant Executive Officer
 - Lisa.mccann@waterboards.ca.gov
 - 510-622-2441

Thank you for participating!



Last Words for Today

- Thank you for participating!

