

Stormwater Committee Presentations

C/CAG Stormwater Committee Meeting, November 20, 2025

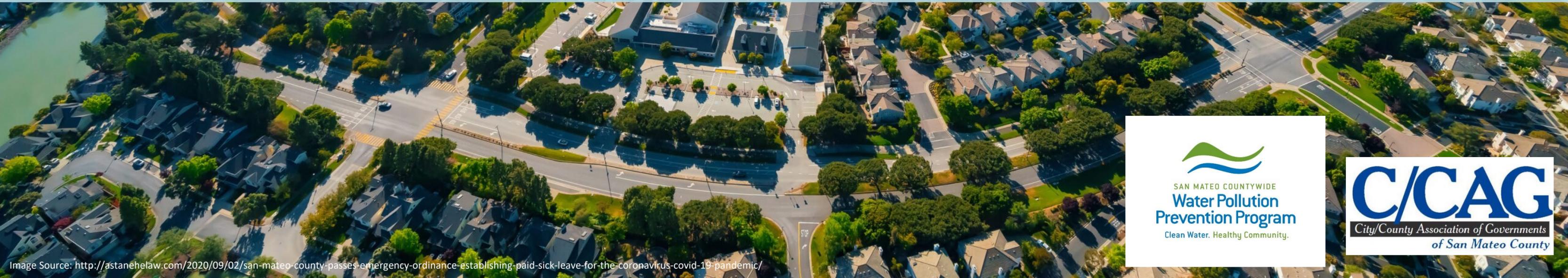


Image Source: <http://astanehelaw.com/2020/09/02/san-mateo-county-passes-emergency-ordinance-establishing-paid-sick-leave-for-the-coronavirus-covid-19-pandemic/>



Item 1 – Call to Order/Roll Call/Hybrid Zoom Procedures.



Item 2 – Public Comment (items not on the agenda).



**Item 3 (PRESENTATION) –
Receive a presentation
from the San Francisco
Estuary Institute on
updates from the from
the Regional Monitoring
Program.**



**Item 4 (ACTION) –
Nominate and elect a
Chairperson and Vice
Chairperson for
the Stormwater
Committee.**



Nominate and Elect a Chair and Vice Chair for the Stormwater Committee

- Chair and Vice Chair positions are nominated/elected annually
- Help with agenda setting and facilitate meetings
- No term limit
- Prior Chair (Randy Breault, Brisbane) retired in September
- Staff recommend nominating and electing a new Chair and Vice Chair for 2026



**Item 5 (ACTION) –
Review and approve the
September 18, 2025
Stormwater
Committee meeting
minutes.**



**Item 6 (INFORMATION) –
Receive a presentation
on current
Polychlorinated
Biphenyls related
activities being led by
the Countywide
Stormwater
Program.**



PCBs Controls in San Mateo County During MRP 3.0

Lisa Sabin, Managing Scientist at EOA, Inc.
Presentation to C/CAG Stormwater Committee
November 11, 2025

Presentation Overview

1. Background and Regulatory Context
2. EPA-funded PCBs Special Studies Project
3. Implementation of the SMCWPPP Old Industrial Area Control Measures Plan
4. Updates to the PCBs TMDL Implementation Plan for San Mateo County

PCBs Background

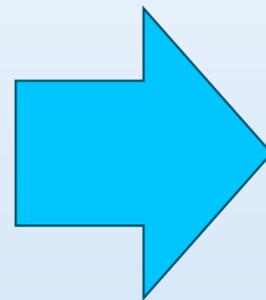
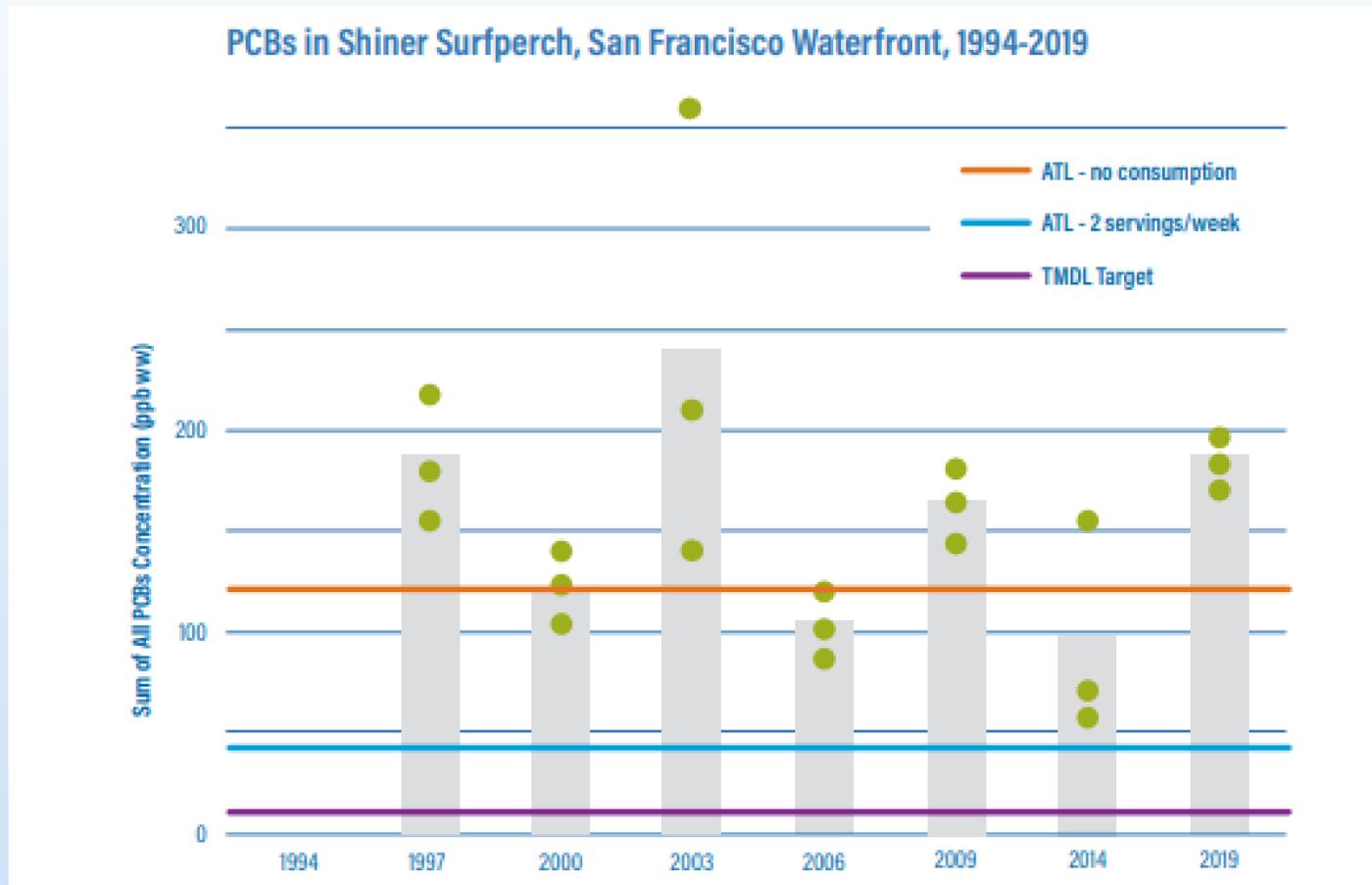
- Manufactured 1929 -1979
- Banned in U.S. in 1979

Source Examples:



➤ But, PCBs did not disappear with the ban...

Regulatory Context - Fish Consumption Advisories



A GUIDE TO EATING FISH from SAN FRANCISCO BAY

(ALAMEDA, CONTRA COSTA, MARIN, NAPA, SAN FRANCISCO, SAN MATEO, SANTA CLARA, SOLANO, SONOMA COUNTIES)

WOMEN 18 – 49 YEARS AND CHILDREN 1 – 17 YEARS

Women
(18 – 49 Years)

Children
(1 – 17 Years)

Eat the Good Fish
Eating fish that are low in chemicals may provide health benefits to children and adults.

Avoid the Bad Fish
Eating fish with higher levels of chemicals like mercury or PCBs may cause health problems in children and adults.

Choose the Right Fish
Chemicals may be more harmful to unborn babies and children.

2 TOTAL SERVINGS A WEEK

OR

1 TOTAL SERVING A WEEK

Do Not Eat Any Fish from Lauritzen Channel

0 DO NOT EAT

American Shad
high in omega-3s

Chinook (King) Salmon
high in omega-3s

California Halibut

Jacksmelt

Barred Surfperch

Black Perch

Walleye Surfperch

Northern Anchovy
high in omega-3s

Rubberlip Surfperch

White Surfperch

White Croaker

Shark species

Striped Bass

Topsmelt

Mississippi Silverside

Pacific Sardine

Shiner Perch

White Sturgeon

Serving Size
A serving of fish is about the size and thickness of your hand. Give children smaller servings.

For Adults

For Children

Eat only the skinless fillet

Eat only the meat

Some chemicals are higher in the skin, fat, and guts.

Updated 04/2023

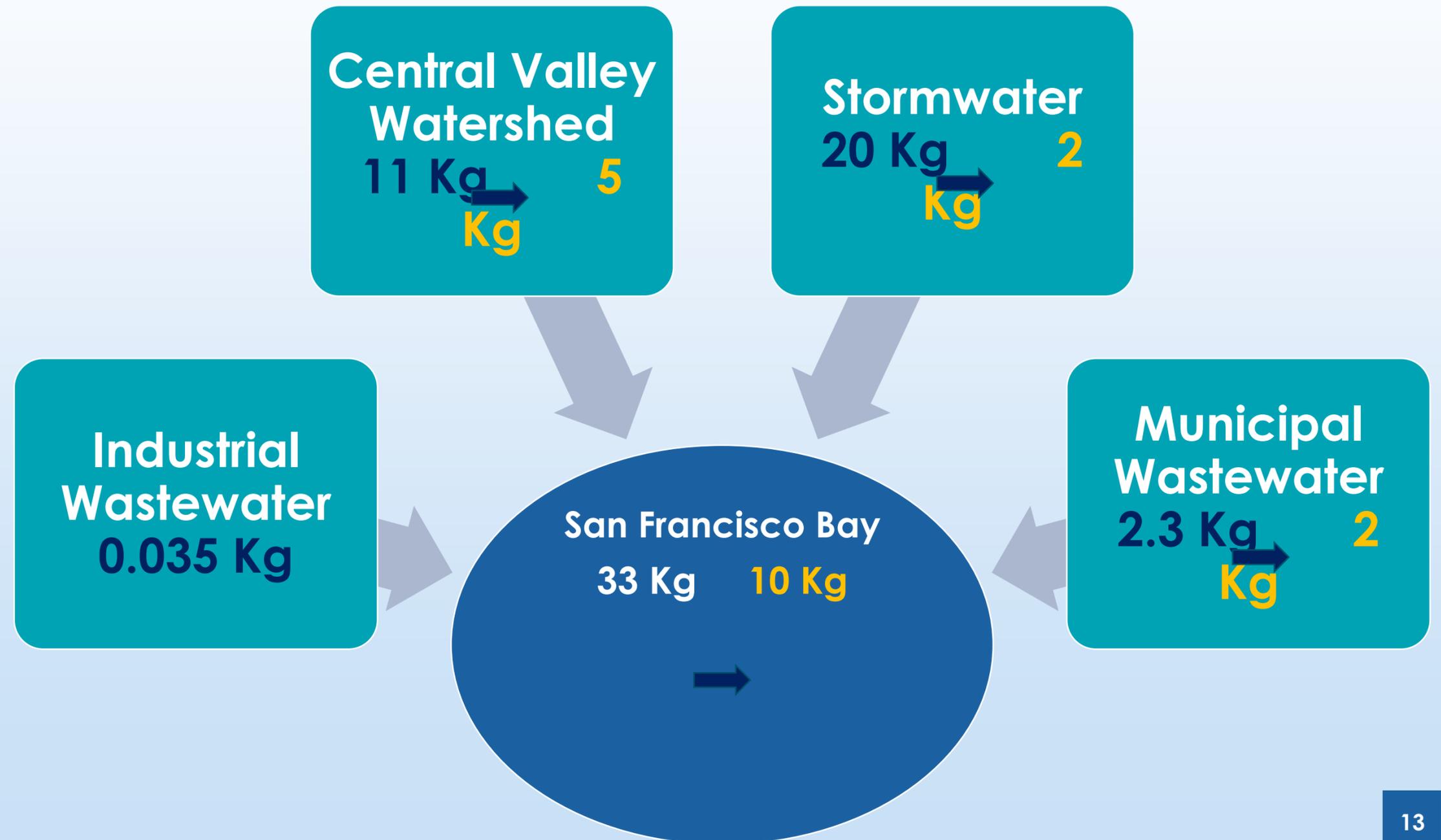
California Office of Environmental Health Hazard Assessment
web www.oehha.ca.gov/fish
email fish@oehha.ca.gov
phone (916) 324-7572

PCBs Total Maximum Daily Load (TMDL) for San Francisco Bay

Annual
Baseline Loads

VS

2030 Target
Loads



Assess PCBs Load Reductions from Stormwater

Source Property Identification and Abatement

Controls in Old Industrial Areas

Controlling PCBs from Bridges and Overpasses

Controlling PCBs from Electrical Utility Equipment

Plan and Implement Green Stormwater Infrastructure

Manage PCBs During Building Demolition

Prepare Implementation Plan and Schedule to Achieve TMDL

Fate & Transport Study of PCBs in Urban Runoff – Impact on Bay Margins

Implement a Risk Reduction Program

Municipal Regional Permit (MRP) Provision C.12

PCBs Requirements

PCBs Special Studies Project

- **Funding Opportunity:** US EPA San Francisco Bay Program Fund Fiscal Year 2024
- **Grant Applicant:** City of San Pablo on behalf of BAMSC partner organizations and associated public agencies
- **Project Budget:** \$10,666,667 (\$8 million grant-funded; 25% match via Project Partners in-kind services)
- **Term:** January 2025 – January 2030 (5 years)

Project Purpose and Goals

- **Purpose:** Continue and expand implementation of the San Francisco Bay PCBs TMDL
- **Goals:**
 1. Inform the PCBs TMDL revision process prior to 2030
 2. Support achievement of PCBs TMDL WLAs for the stormwater category
 3. Optimize and focus PCBs controls to improve the trajectory of Bay recovery
 4. Support MRP monitoring, modeling, and TMDL implementation tasks
 5. Support implementation of the Phase II Permit requirements for the PCBs TMDL

Project Tasks

TASK 1 - Regional PCBs Monitoring

- Fixed monitoring stations
 - 1 in San Mateo County in partnership with SFEI
- Pilot Testing Alternative Source Investigation Tools
 - Canine detection dog
 - Other rapid screening tools

TASK 2 - Phase II PCBs Program Development and Monitoring

- New program modeled on MRP program

TASK 3 - MRP PCBs Monitoring, Mapping, and Control Measure Planning

- Monitoring
- Mapping
- Private Properties program
- Storm drain maintenance program
- Treatment systems design

SMCWPPP Work Plan for Task 3



- Total for SMCWPPP Task 3 =
 - \$707,600 (Grant funds)
 - \$250,000 (Program match)
- Supports SMCWPPP Permittee compliance with C.12
- Implements the **Old Industrial Area Control Measure Plan**
 - Funds monitoring to identify PCBs source areas
 - Funds control measure planning in old industrial areas

PCBs Controls in Old Industrial Areas (C.12.c)



- Implement controls to achieve PCBs load reductions
 - Treatment Controls
 - Stormwater Diversion to POTW
 - C.3 Redevelopment
 - Enhanced O&M
 - Other
- Focus in areas with elevated PCBs (>0.2 mg/kg)
- San Mateo County Requirement:
81 grams/year PCBs load reduction

Old Industrial Area Control Measure Plan

• Targeted Actions in Areas with Elevated PCBs

1. Find and address PCBs source properties

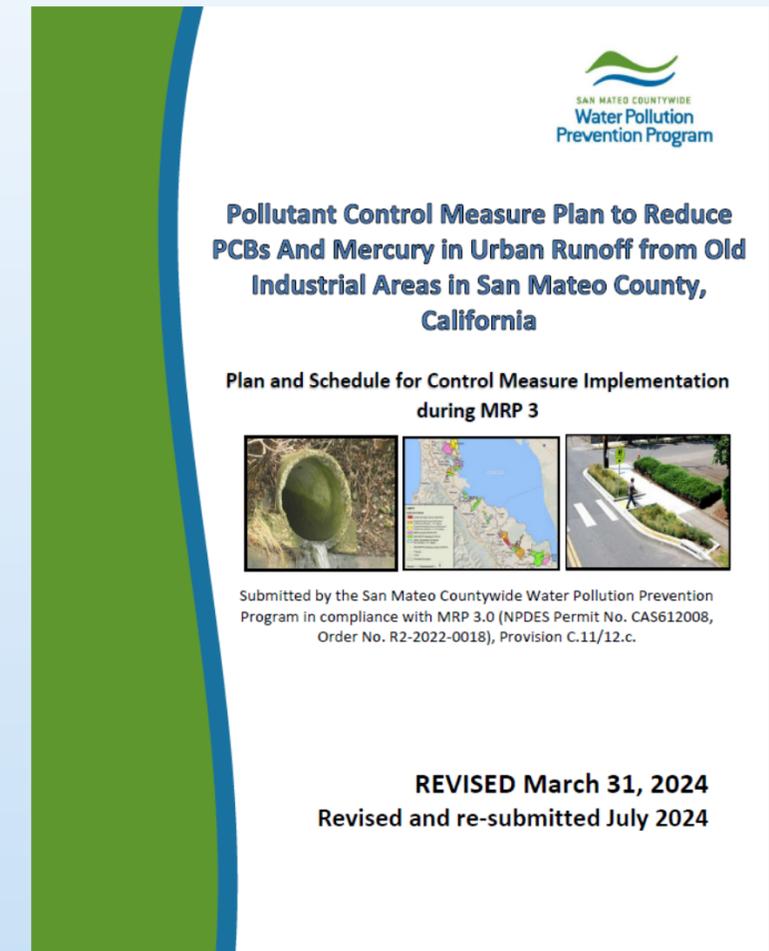
- High PCBs Source Properties –
Referral to Water Board for abatement
- Moderate PCBs Properties –
City directed property owner abatement
through on-site BMPs

**Actions to prevent
release of soil/sediment
from property**

2. Find and address elevated PCBs in public ROW

- Storm Drain Line Cleanouts
- Pump Station Maintenance
- Channel de-silting

**Actions to remove
soil/sediment from storm
drain infrastructure**



Accomplishments during MRP 3.0 to Date:

- Public ROW Sampling of Old Industrial Areas:
 - 1,000 acres – investigation complete (low PCBs)
 - 300 acres – ongoing investigation
 - 1,100 acres – future investigation
- On-site Private Property Inspections and Sampling:
 - 113 acres inspected - 35 acres of high (1) or moderate (3) properties
 - 135 acres planned (additional acres TBD)
- Planning private property controls – Just Starting!
 - Reviewing data and identifying options
- Planning enhanced O&M – Just Starting!
 - Reviewing data and identifying options



NEXT STEPS: Planning meetings with individual Municipalities to discuss source properties and enhanced O&M opportunities

TMDL Implementation Plan and Schedule

- MRP Requirement:
 - Prepare a plan and schedule that provides reasonable assurance that PCBs TMDL target for stormwater runoff will be achieved
 - *Update the Plan submitted in 2020 (during MRP 2.0)*
 - Identify all technically and economically feasible controls
 - Provide a schedule for full implementation to achieve TMDL target
 - For MRP 4.0 – estimate the following:
 - All controls to be implemented
 - Intensity of implementation (e.g., acres treated)
 - Anticipated PCBs load reductions
 - Due Date: March 31, 2026

Approach in San Mateo County

1. Modeled Baseline Watershed Load
 - Establish PCBs loads from San Mateo County at the start of TMDL
 - **No change from 2020 Plan**
2. Determine load reduction needed = Baseline Load – TMDL Target
 - **No change from 2020 Plan**
3. Identify existing/future control measures and associated load reductions for implementation over time
 - **New information for updated Plan**
4. Identify when TMDL Target can be achieved

San Mateo County – PCBs Load Reductions Needed

	PCBs (kg/yr)
A. Refined Stormwater Runoff Baseline Load (2002)	1.7
B. TMDL Stormwater Runoff Target	0.2
C. Load Reduction Needed (A – B)	1.5

Plan must demonstrate how and when existing and future controls will reach this load reduction

Types of Control Measures

Green Stormwater Infrastructure (GSI)

Modeled load reductions

- New/Redevelopment (LID)
- Regional Stormwater Capture Projects
- Green Streets



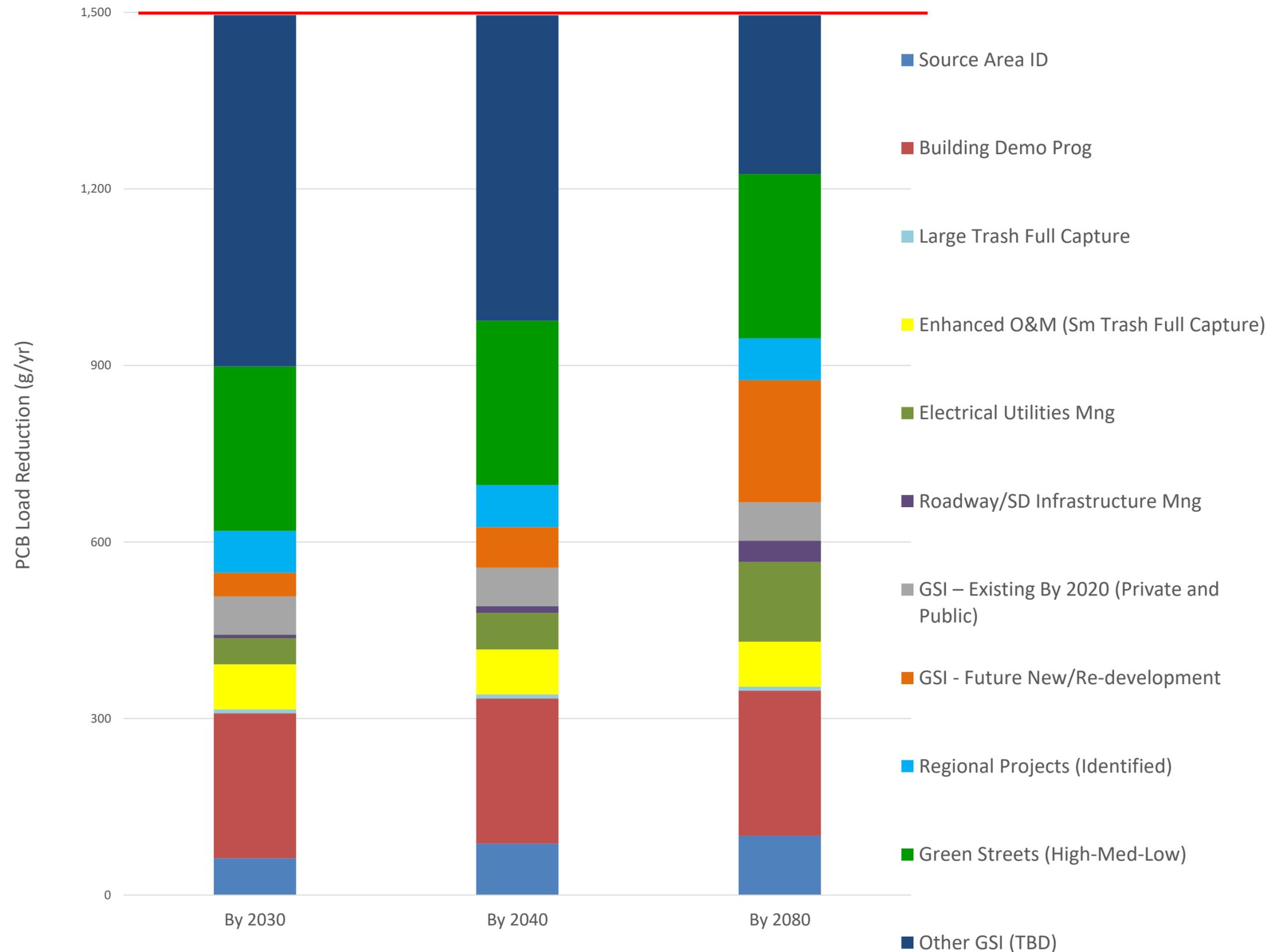
Source Controls and Non-GSI Treatment

Calculated Load Reductions

- Source Property Identification and Abatement
- PCBs in Electrical Utilities Management
- Full Trash Capture Stormwater Treatment
- PCBs in building materials
- PCBs in Bridges
- Enhanced O&M



Example – Control Measure Implementation Scenarios to achieve TMDL Target by 2030, 2040, 2080



Next Steps and Timeline

- Draft Report - January 2026
 - Review by PCBs Work Group
 - If needed, meet to discuss comments/questions in February 2026
 - Final Report – Early March 2026
 - C/CAG Stormwater Committee – review and approval of the report
- Submit to Water Board by March 31, 2026

Thank You!

Contact

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ldsabin@eodainc.com





**Item 7 (INFORMATION) –
Provide input on
potential C/CAG federally
directed
spending requests for
Fiscal Year 2027 related
to stormwater projects
and
programs.**



FY27 Congressionally Directed Spending Requests for Stormwater Projects/Programs

- **Prior C/CAG state and federal funding requests:**
 - FY19 - \$3M state funds for regional project planning (Regional Collaborative Program development; planning/design for San Bruno, Belmont, Redwood City regional projects)
 - FY22 - \$2.4M federal funds for advancing San Bruno Regional Project at I-280/380
 - FY25 - \$850K federal funds for advancing three sustainable streets projects (East Palo Alto Fordham St., Daly City Washington Elementary and Bay Shore Elementary Sustainable Streets, Colma El Camino Real Bike/Ped Safety Sustainable Street)



FY27 Congressionally Directed Spending Requests for Stormwater Projects/Programs

- **Strategy:**
 - Support projects/programs related to C/CAG's Countywide Stormwater Program efforts (e.g., regional collaborative approach/regional projects/OneWatershed, Sustainable Streets projects)
 - Multi-jurisdictional projects or those that provide additional MRP benefit
 - Advance projects with existing funding (project pipeline)
 - Support equity goals (i.e., focus on priority projects in DACs/historically underserved communities)
 - Funding target \$1-\$3M per project



FY27 Congressionally Directed Spending Requests for Stormwater Projects/Programs

Table of Potential Fiscal Year 2027 Congressionally Directed Spending Requests

Project	SMCWPPP Reference	Status	Potential FY27 Funding Proposal	Proposed Funding	Comments
San Bruno Regional Capture Project (I-280/I-380)	Countywide Stormwater Resource Plan	PA&ED phase funded from C/CAG FY22 CDS	N/A	N/A	Not competitive for CDS funding
East Palo Alto Fordham St. Sustainable Street	Sustainable Streets Master Plan	Planning/design funds from C/CAG FY24 CDS	Full construction	\$ 350,000	Potential to fund complete project
Daly City Washington Elementary and Bayshore Elementary Sustainable Streets Project	Sustainable Streets Master Plan	Partial planning/design funds from C/CAG FY24 CDS	Additional planning/design	\$ 500,000	Need additional planning/design funds (not currently funded for design)
Colma El Camino Real Sustainable Street Project	Sustainable Streets Master Plan	Partial planning/design funds from C/CAG FY24 CDS	N/A	N/A	Likely fully funded with STIP
South San Francisco Grand Ave Sustainable Street Project	Sustainable Streets Master Plan	Included for additional planning in EPA Community Change Grant Application in 2025	Planning (survey, geotech, utilities, etc.) and additional conceptual designs	\$ 1,500,000	Priority from SSMP - strong local agency/community support/higher cost planning
San Mateo Countywide OneWatershed Strategic Plan	OneWatershed Framework	Proposed in C/CAG FY26 CDS (not funded)	Comprehensive Countywide OneWatershed Strategic Plan and additional data/resources	\$ 1,500,000	Next large-scale multi-agency stormwater program effort/potential for no local match



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FY27 Congressionally Directed Spending Requests for Stormwater Projects/Programs

- **Next Steps**

- C/CAG staff engage project sponsors for input on projects/application process
- May package sustainable streets into expanded “Sustainable Streets Pilot Program”
- Plan to hand over funding agreement process to local agencies for sustainable streets projects (note – the transportation CDS program will require at 11.47% minimum local match will be the responsibility of the local agencies)
- Continue to develop applications and work with federal advocate through Feb/Mar, including meetings with Congressional Representative staff



Item 8 (INFORMATION) – Receive stormwater program related information and announcements.



Stormwater Program Announcements

- **C/CAG Board:**
 - October (Special Meeting): Received a presentation from OneShoreline on upcoming City/Town seat vacancies on OneShoreline Board of Directors for the City At-Large, Coastal and Central seats.
- **Annual Reports:**
 - Countywide Program tracking Annual Report submittals for FY24-25.
 - Staff should still plan to update LRPs/DRPs as needed and submit the FY24-25 Annual Reports on SMARTS as soon as possible.



Stormwater Program Announcements

- **Stormwater Legislation:**

- SB 682 (Allen) PFAS Regulations – PFAS ban for new product categories, including cleaning products, cookware, dental floss, juvenile products, food packaging, ski wax. Vetoed by Governor.
- SB 601 (Allen) Nexus Waters – Would establish new water quality regulations and litigation provisions under the Porter-Cologne Water Quality Control Act for “nexus waters”. Made a two-year bill. Just needs to get out of Assembly.
- AB 1313 (Papan) Statewide Commercial, Industrial and Institutional Permit – Would establish a new statewide CII Permit, including new regulations for large parcels at 5-acre threshold and require local agencies to form cost-sharing arrangements for offsite projects. Made a two-year bill.



Stormwater Program Announcements

- **MRP 4 Kick-off meeting**
 - MRP 3 is currently set to expire June 30, 2027
 - MRP 4 Kick-off Meeting held on October 30 at the Regional Water Board office in Oakland
 - Agenda:
 - Permittee and Regional Water Board objectives and guiding principles
 - Reissuance timeline, engagement process and high-level priorities
 - High priority issues – led by Regional Water Board staff
 - Next steps for setting up workgroups and periodic Steering Committee/BAMSC meetings



Stormwater Program Announcements

Reissuance: Objectives and Guiding Principles

- Collaborative stakeholder engagement
 - Substantive informal process that leads into formal reissuance process
 - Seek mutual understanding
 - Agree/disagree on purpose
- Evolutionary: build on lessons learned
 - Use MRP 3 work to inform MRP 4
 - Recognize significant changes early in reissuance process
- Equity & rules of the road
 - Clean Water Act requirements: a floor
 - Maximum extent practicable
 - Anti-backsliding
 - Flexibility: prioritization, schedules, intensity of action
 - A note on S.F. v. U.S. EPA: receiving water limits

***Objectives and Principles presented by Regional Water Board staff**



Stormwater Program Announcements

BAMSC Tenets to Guide MRP 4 Reissuance Discussions

- Guiding principles for BAMSC representatives
- Agreed upon by MRP Permittees and associated Stormwater Programs
- Serve as points of reference and support productive discussions with Water Board staff
- 4 Categories
 - Streamlining and Simplification
 - Equity and Scalability
 - Clarity, Alignment, and Data-Driven Decisions
 - Transparency, Trust, and Collaboration



Stormwater Program Announcements

- **Priority Issues Identified by Regional Water Board staff**
 - C.3 – new targets for GI retrofits/new framework for C.3.j retrofit compliance
 - C.10 – shift from 100% compliance to operations and maintenance focus
 - C.12 – tiered approach for old industrial control measure programs and numeric targets for PCBs
 - I. Implementation requirements for all or almost all Permittees (demolition debris, risk reduction); encourage Permittees with responsibilities only in this tier to support Permittees with more PCBs challenges
 - II. Implementation requirements for Permittees with more-contaminated areas (continue and expand the old industrial area control measure program; new numeric targets)
 - III. Planning requirements for Permittees with watersheds draining to high-priority margin areas: Plan for future implementation (2030 PCBs TMDL revision will have this as a new implementation feature)
 - C.8 – (identified as med priority by WB staff) ongoing LID/Trash monitoring + POC monitoring (significant cost implications for Countywide Program)



Stormwater Program Announcements

- **Other Issues / Considerations**

- New provision to cover stormwater discharges from Vista Grande Canal into Lake Merced by the City of Daly City and County of San Mateo (require BMP implementation and operation to control dissolved oxygen, nutrients, and pH; Monitoring and reporting according to the City and County Lake Management Plan)
- USEPA v. City/County of San Francisco - early determination that Receiving Water Limitations findings do not apply to Stormwater NPDES permits
- Unfunded Mandates – Commission on State Mandates findings regarding MRP 1 test claims from Jan 2025 cited the local agencies in CA have the authority under SB 231 (2017) to raise fees for stormwater management and therefore under this precedent, unlikely to see future success with unfunded state mandate test claims related to the MRP



Stormwater Program Announcements

- **Funding Opportunities:**
 - Caltrans Community Cleanup & Employment Pathways Grant – C/CAG submitted for \$334,848 under the Clean California Community Cleanup and Employment Pathways Grant for litter abatement and community cleanups in up to 11 San Mateo County jurisdictions coinciding w/ ECR and other state highway areas impacted by litter. Focus on workforce development and community partnerships (San Jose Conservation Corps and Climate Resilient Communities)
 - Prop 4 (Climate Bond) – Still waiting for updates on the State Water Board plans to release guidelines for stormwater grant program (FY26-27)



Item 9 – Regional Water Board Report



Item 10 – Executive Director Report



Item 11 – Member Reports



Item 12 – Adjourn