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Congestion Management & Environmental Quality (CMEQ) Committee

<p>Date: Monday October 28, 2024</p> <p>Time: 3:00 p.m.</p> <p>Location: San Mateo City Hall Conference Room C 300 W. 20TH Ave San Mateo, CA 94403</p>	<p>Join by Zoom Webinar: https://us02web.zoom.us/j/85229951343?pwd=czVIK1F6MW1MeTBWMIvNa2lvUU9XZz09</p> <p>Join By Phone: +1 669 900 6833</p> <p>Zoom Webinar ID: 852 2995 1343</p> <p>Passcode: 269693</p>
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*****HYBRID MEETING - IN-PERSON AND BY VIDEOCONFERENCE*****

This meeting of the C/CAG CMEQ will be held in person and by teleconference pursuant to Government Code Section 54953(e). Members of the public will be able to participate in the meeting remotely via the Zoom platform or in person at the location above. For information regarding how to participate in the meeting, either in person or remotely, please refer to the instructions at the end of the agenda.

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|----|---|--------------------------------------|--------------|
| 1. | Call to Order/Roll Call | Action (Papan) | No Materials |
| 2. | Public comment on items not on the agenda | Presentations are limited to 3 mins. | No Materials |
| 3. | Issues from the October 10, 2024 C/CAG Board meeting: <ul style="list-style-type: none"> • Received a presentation of C/CAG VMT/GHG Model Mitigation Program draft report for public review and comment. • Received a presentation on the recruitment process for two Board of Director seats on the San Mateo County Express Lane Joint Powers Authority (SMCEL-JPA). • Received a presentation on requesting the transfer of project sponsorship of the OBAG 3 Bay Road Complete Street Rehabilitation Project from County of San Mateo to Redwood City and support of flexibility for the City of Daly City in meeting the Housing Incentive Pool (HIP) grant program Housing Element requirements. | Information (Lacap) | No Materials |
| 4. | Approval of minutes of the September 30, 2024 CMEQ Meeting. | Action (Papan) | Pages 1-6 |
| 5. | Receive a presentation on C/CAG’s Vehicle Miles Traveled/Greenhouse Gas (VMT/GHG) Model Mitigation Program draft report. | Information (Springer) | Pages 7-9 |
| 6. | Receive information on Countywide Stormwater Program updates related to its OneWatershed Framework Project, U.S. EPA Community Change Grant application and Rain Barrel Rebate Program. | Information (Bogert) | Pages 10-21 |



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|----|--|------------------------------|--------------|
| 7. | Executive Director Report | Information
(Charpentier) | No Materials |
| 8. | Adjournment and establishment of next meeting date:
November 25, 2024 | Action
(Papan) | No Materials |

PUBLIC NOTICING: All notices of C/CAG regular Board meetings, standing committee meetings, and special meetings will be posted at the San Mateo County Court Yard, 555 County Center, Redwood City, CA, and on C/CAG's website at: <http://www.ccag.ca.gov>.

PUBLIC RECORDS: Public records that relate to any item on the open session agenda for a regular Board meeting, standing committee meeting, or special meeting are available for public inspection. Those public records that are distributed less than 72 hours prior to a regular Board meeting are available for public inspection at the same time they are distributed to all members, or a majority of the members, of the Board. The Board has designated the City/County Association of Governments of San Mateo County (C/CAG), located at 555 County Center, 5th Floor, Redwood City, CA 94063, for the purpose of making public records available for inspection. Such public records are also available on C/CAG's website at: <http://www.ccag.ca.gov>. Please note that C/CAG's office is temporarily closed to the public; please contact Mima Guilles at (650) 599-1406 to arrange for inspection of public records.

PUBLIC PARTICIPATION DURING VIDEOCONFERENCE MEETINGS: Persons with disabilities who require auxiliary aids or services to participate in this meeting should contact Mima Guilles at (650) 599-1406, five working days prior to the meeting date.

Written comments should be emailed in advance of the meeting. Please read the following instructions carefully:

1. Your written comment should be emailed to jlacap@smcgov.org.
2. Your email should include the specific agenda item on which you are commenting or note that your comment concerns an item that is not on the agenda.
3. Members of the public are limited to one comment per agenda item.
4. The length of the emailed comment should be commensurate with the two minutes customarily allowed for verbal comments, which is approximately 250-300 words.
5. If your emailed comment is received at least 2 hours prior to the meeting, it will be provided to the C/CAG CMEQ Committee members, made publicly available on the C/CAG website along with the agenda. We cannot guarantee that emails received less than 2 hours before the meeting will be read during the meeting, but such emails will be included in the administrative record of the meeting.

Spoken comments will be accepted during the meeting in person and through Zoom. Public comments will be taken first by speakers in person, followed by via Zoom. Please read the following instructions carefully:

In-person participation:

If you wish to speak to the C/CAG CMEQ, please fill out a speaker's slip placed by the entrance of the meeting room. If you have anything that you wish distributed to the Committee and included in the official record, please hand it to the C/CAG staff who will distribute the information to the Committee members and staff.

Remote Participation:

1. The C/CAG CMEQ meeting may be accessed through Zoom at the online location indicated at the top of this agenda.
2. You may download the Zoom client or connect to the meeting using an internet browser. If using your browser, make sure you are using a current, up-to-date browser: Chrome 30+, Firefox 27+, Microsoft Edge 12+, Safari 7+. Certain functionality may be disabled in older browsers including Internet Explorer.
3. You will be asked to enter an email address and name. We request that you identify yourself by your name as this will be visible online and will be used to notify you that it is your turn to speak.
4. When C/CAG staff or CMEQ Chair call for the item on which you wish to speak, click on "raise hand." Staff will activate and unmute speakers in turn. Speakers will be notified shortly before they are called on to speak.
5. When called, please limit your remarks to the time allotted.

If you have any questions about this agenda, please contact C/CAG staff: Jeff Lacap, jlacap@smcgov.org

**CITY/COUNTY ASSOCIATION OF GOVERNMENTS COMMITTEE ON CONGESTION
MANAGEMENT AND ENVIRONMENTAL QUALITY (CMEQ)**

**MINUTES
MEETING OF September 30, 2024**

The meeting was called to order by Chair Papan at 3:02 p.m. at San Mateo City Hall. Roll call for attendance was taken. Attendance sheet is attached.

1. Call to Order/Roll Call

Meeting called to order at 3:00 pm by Chair Papan.

2. Public comment on items not on the agenda

Mike Swire, Chair of the C/CAG Bicycle and Pedestrian Advisory Committee expressed concerns about the effectiveness of the Express Lanes Project in addressing congestion on the US 101 Corridor. He pointed out that, although presentations have highlighted increased revenue and usage, it is crucial to determine whether travel times for drivers have genuinely improved. Mike requested access to the relevant usage data to evaluate the project's impact on travel times and encouraged the committee to pursue this data request from the Peninsula Joint Power Authority.

3. Issues from the September 12, 2024 C/CAG Board meeting. (Information)

Jeff Lacap, C/CAG Staff, provided the following updates from the September 12th C/CAG Board Meeting:

- Approval of Reso 24-49 to 24-52 supporting submittal of applications for TA's Cycle 7 Pedestrian and Bicycle and Cycle 2 Alternative Congestion Relief/Transportation Demand Management Programs and authorizing local match for:
 - Shared Automated Vehicle Feasibility Study
 - Smart Corridor Incident Response Timing Plan
 - Sidewalk Data Procurement for Bike and Ped Plan Update
 - Bikeshare and Scooter-share Education and Marketing Campaign
- Approval of Reso 24-63 adopting the amended C/CAG Program Budget Fiscal Year 2024-25

4. Action to approve Consent Agenda items 4.1-4.3. (Action)

Motion to approve Consent Agenda Items 4.1- 4.3. Hedges/Jimenez. Brown, Hedges, Jimenez, Miles-Holland, Papan, Penrose, and Venkatesh. Motion Passes 7-0.

5. Review and recommend approval of a combined total of \$1,000,000 in Fiscal Year 2025 Transportation Fund for Clean Air Funds for San Bruno's Public Works Corporation Yard Electrification and San Mateo's Battery Electric Street Sweeper projects. (Action)

C/CAG Staff Kim Wever presented the call for projects process and the recommended Fiscal Year 2025 Transportation Fund for Clean Air (TFCA) funds award of a combined total of \$1,000,000 for San Bruno's Public Works Corporation Yard Electrification and San Mateo's Battery Electric Street Sweeper projects.

Vice-Chair Brown inquired about the cost differential between electric and diesel street sweepers. Kim indicated she would follow up with San Mateo and then provide an answer to the committee. He also asked how equity is considered in the evaluation criteria. Kim responded that equity was scored if the project was in a MTC Equity Priority Communities, CalEnviroScreen 4.0 census tract with a score above 25%, and/or C/CAG Equity Focus Area with a score of 8 or higher. The street sweeper did not score as high for equity but they got a couple points since emissions would be reduced citywide.

Member Venkatesh inquired about the evaluation criteria for the project selection. Kim noted that the evaluation panel scored the projects based on the following criteria: cost-effectiveness results, project readiness and timely use of funds, community support and equity, local match, and innovation.

Motion to approve a combined total of \$1,000,000 in Fiscal Year 2025 Transportation Fund for Clean Air Funds for San Bruno's Public Works Corporation Yard Electrification and San Mateo's Battery Electric Street Sweeper projects. Hedges/Brown. Brown, Hedges, Jimenez, Miles-Holland, Papan, Penrose, and Venkatesh. Motion Passes 7-0.

6. Receive a presentation from the Silicon Valley Bicycle Coalition. (Information)

C/CAG Executive Director Sean Charpentier introduced Anthony Montes, Associate Director of Advocacy and Development for the Silicon Valley Bicycle Coalition (SVBC).

Member Brown asked for a breakdown of commuting patterns, specifically distinguishing between school and work commutes. Anthony responded that he would follow up with the Committee on this. Member Brown also inquired whether improving comfort for bicyclists and pedestrians on the roadway would necessitate a separate path for both users. Anthony emphasized that protected intersections are essential for roads like El Camino Real.

Member Miles-Holland inquired about the outreach methodology for surveying Silicon Valley (MTI) and requested guidance on cargo bikes and electrical bicycles. Anthony noted that the public outreach was conducted before his time with SVBC, and he will follow up with the committee.

Chair Papan inquired about the next survey and guidance on bike parking. Anthony noted that SVBC is exploring funding option to complete an updated survey and he will share resources on bike parking.

Director Charpentier inquired about what "comfort" means in relation to bicycle and pedestrian safety. Anthony explained that comfort refers to designing roadways to accommodate both bicyclists and pedestrians, including the creation of separated barriers between them and drivers.

Public Comment

Mike Swire shared that based on his research, more people are being killed on bikes in San Mateo County. He further added that the bike infrastructure in the county needs major improvements.

7. Receive the FY 2022-2023 San Mateo County Safe Routes to School Program Annual Report. (Information)

C/CAG Staff Eva Gaye introduced Theresa Vallez-Kelly Program Coordinator of the SRTS program at the San Mateo County Office of Education.

Member Miles-Holland inquired whether the SRTS program has conducted outreach at preschools, precisely does the program teach parents about helmet safety? Theresa responded that SRTS AmeriCorps fellows have begun outreach to preschools.

Director Charpentier inquired about the schedule for the Cycle 3 School Travel Fellowship Program. Theresa noted that the call for proposals will be issued in January 2025.

Public Comment

Mike Swire encouraged the committee to participate on the School Travel Fellowship. He added that we should build out capacity for peak travel hours and utilize quick builds for traffic safety projects.

8. Receive a presentation on the Countywide Transportation Plan update. (Information)

C/CAG staff Jeff Lacap presented on the Countywide Transportation Plan update.

Chair-Papan inquired whether the CTP update will examine grade-separations. Jeff responded that the update would include a prioritized list of grade-separations.

9. Executive Director Report (Information)

Director Charpentier provided the following updates:

- C/CAG Board adopted the San Mateo Countywide Local Roadway Safety Plan (LRSP) in June 2024
- C/CAG applied for \$500k in Safe Streets for All Federal Grant to support implementation of the Countywide LRSP.

- MTC released a Notice of Funding Availability of \$60 million in planning and capital grants to support local implementation of MTC's Transit-Oriented Communities (TOC) Policy and Climate Initiatives Program.
- MTC and C/CAG had completed a shared feasibility study to pilot Micromobility in the County. MTC is contributing \$1M and is moving forward with Bay Wheels expansion in Daly City. C/CAG will seek addition funding from the Transportation Authority.

10. Member comments and announcements (Information)

Chair Papan gave an update on the ongoing regional transit measure discussion at MTC.

11. Adjournment and establishment of next meeting date

The meeting adjourned at 5:00 p.m. The next regular meeting is scheduled for October 28, 2024 at San Mateo City Hall.

2024 C/CAG Congestion Management & Environmental Quality (CMEQ) Committee Attendance Report													
Name	Representing	Jan (No Mtg.)	Feb	Mar	Apr	May	Jun (No Mtg.)	Jul (No Mtg.)	Aug (No Mtg.)	Sept	Oct	Nov	Dec (No Mtg.)
Dick Brown (Woodside Town Council Member)	Elected Official		X	X	X	X				X			
Tom McCune (Belmont City Council Member)	Elected Official		X	X		X							
Richard Hedges (San Mateo City Council Member)	Elected Official		Brown Act	Brown Act	Remote	X				X			
Stacy Jimenez (Foster City Council Member)	Elected Official		X	X	X	X				X			
Stacy Miles Holland (Atherton Council Member)	Elected Official		R	X						X			
Juslyn Manalo (Daly City Council Member)	Elected Official												
Pranita Venkatesh (San Carlos Council Member)	Elected Official									X			
Vacant	Elected Official												
Vacant	Elected Official												
Gina Papan (MTC Commissioner)	Metropolitan Transportation Commission (MTC)			X	X	X				X			
Vacant	Environmental Community												
Vacant	Public Member												
Juan Salazar	Business Community		R										
Deborah Penrose	Agencies with Transportation Interests		R	R	X					AB 2449			
Peter Ratto	San Mateo County Transit District (SamTrans)		X	X	X					X			
Pamela Herhold	Bay Area Rapid Transit (BART)		X	X	X	X							
Vacant	Peninsula Corridor Joint Powers Board (Caltrain)												

Staff and Guests in attendance for the September 30, 2024 Meeting

Sean Charpentier, Jeff Lacap, Kim Wever, C/CAG Staff; Mike Swire (C/CAG BPAC), Theresa Vallez-Kelly (SMCOE),

Remote attendance: Kaki Cheung, Audrey Shiramizu, Kim Springer (C/CAG staff); Anthony Montes (SVBC)

X - In person attendance **AB 2449** – Remote attendance via AB 2449

R - Remote attendance **Blank**- Absent

Brown Act - Remote attendance via Publicly Accessible Teleconference Location

C/CAG AGENDA REPORT

Date: October 28, 2024

To: Congestion Management and Environmental Quality (CMEQ) Committee

From: Kim Springer, Transportation Systems Coordinator

Subject: Receive presentation on C/CAG's Vehicle Miles Traveled/Greenhouse Gas (VMT/GHG) Model Mitigation Program draft report.

(For further information or response to questions, contact Kim Springer kspringer@smcgov.org)

RECOMMENDATION

That the Congestion Management and Environmental Quality (CMEQ) Committee receive a presentation on C/CAG's Vehicle Miles Traveled/Greenhouse Gas (VMT/GHG) Model Mitigation Program draft report.

FISCAL IMPACT

The cost to develop the mitigation program report is \$531,180. C/CAG is providing a local match in the amount of \$68,820.

SOURCE OF FUNDS

Funds in the amount of \$531,180 come from an existing FY2022-23 Sustainable Communities Planning Grant from Caltrans. Matching funds are provided through staff time expended in development of the C/CAG Vehicle Miles Traveled/Greenhouse Gas Model Mitigation Program project.

BACKGROUND

Senate Bill 743 (SB 743), and other legislation, altered transportation impact analysis under the California Environmental Quality Act (CEQA). This change shifted the definition of a transportation impact from traffic congestion, often measured by intersection level of service (LOS), to the overall amount of travel occurring by private automobile, measured by vehicle miles traveled (VMT). When transportation impacts are measured by congestion and LOS, typical mitigation measures aim to reduce congestion through physical roadway improvements. Roadway improvements would include measures such as adding capacity through roadway widening, or through operational improvements, such as adding new traffic signals or turn lanes.

In contrast, mitigation measures for VMT impacts involve reducing the number and/or the length of automobile trips, often through encouraging the use of other modes by improving the bicycle and pedestrian network, expanding transit services, offering financial incentives for using non-automobile modes, or changing land use patterns to promote walkability.

In response to these CEQA changes, C/CAG initiated a few projects to support San Mateo County cities and project developers/sponsors. The first was the development of C/CAG's VMT Estimation Tool¹ for cities to help estimate the VMT generated by land use projects and the effectiveness of TDM measures. The VMT Tool was supplemented with a white paper providing guidance on how to establish local CEQA requirements that are consistent with SB 743, including policies related to VMT mitigation.² The second response was to seek out funding to create a model mitigation program that provides cities guidance on how to establish a legally defensible local VMT/GHG mitigation program. This model program would include example mitigation actions and data supporting their effectiveness at reducing VMT/GHG, their cost, and equity and implementation considerations in San Mateo County. After two consecutive proposals from C/CAG to Caltrans for grant funding to develop a Model, C/CAG was awarded funds for the project under the FY 2022-23 Caltrans Sustainable Communities Planning Grant.

On May 12, 2022, the C/CAG Board adopted Resolution 22-29 authorizing the C/CAG Executive Director to execute an agreement between C/CAG and Caltrans for the FY2022-23 Sustainable Communities Planning Grant for the development of a Vehicle Mile Traveled/Greenhouse Gas Model Mitigation Program in the amount of \$531,180 and Resolution 23-27 authorizing the C/CAG Executive Director to execute an agreement between C/CAG and Fehr & Peers (Consultant) for consulting services for a VMT/GHG Mitigation Model Program project for an amount not to exceed the \$531,180 through February 28, 2025.

The project launched in May of 2023 and will be completed in December 2024 or January 2025. The project will provide context, VMT mitigation project alternatives and cost analysis, and model program implementation documents for San Mateo County cities and developers. The project has been informed by multiple stakeholders, including a Technical Advisory Task Force (TATF) made up of State, regional, and local (cities and transit) agency staff, and a direct input from Community-based Organizations through 20 individual interviews. Specific meetings with the County of San Mateo, San Mateo County Department of Housing, and City of Half Moon Bay staff have been completed to attain additional coastside and housing input. Additional meetings were held with agency staff and consultants working on significant highway projects in San Mateo County to also ensure the program is applicable for countywide highway projects.

C/CAG staff and the consultant presented an introduction and update on the project to the Technical Advisory Committee on April 29, 2024 with a list of initial VMT/GHG mitigation actions for consideration in the development of the model program. This month, C/CAG staff and the consultant will present the C/CAG VMT/GHG Model Mitigation Program draft report for public review and comment. Comments are due November 8, 2024 for incorporation into the final report. The final report is expected to be adopted by the C/CAG Board in December 2024, in alignment with the timeline of the grant agreement. C/CAG staff have established a C/CAG VMT/GHG Model Mitigation Program website with the draft final report and appendices, and a Response Form to aid in public review and comment. The site also includes the developed VMT Estimation Tool spreadsheet for this project, and future VMT-related content will be added over time. The following is a link to the C/CAG VMT/GHG Model Mitigation Program Draft Final Report, Appendices, Response Form, and VMT Estimation Tool: <https://ccag.ca.gov/projects/countywide-projects/vmt-ghg-model-mitigation-program/>

1 https://gis.smcgov.org/apps/CCAG_VMT_EstimationTool/

2 <https://ccag.ca.gov/sb-743-los-to-vmt/>

EQUITY IMPACTS AND CONSIDERATIONS

C/CAG staff developed the Caltrans Sustainable Communities Planning grant proposal with the concept of establishing a Model VMT/GHG Mitigation Program that could direct mitigation dollars from development projects to Equity Focus Area or Equity Priority Communities in San Mateo County. In addition, the project scope included the development of Equity and Environmental Justice Recommendations. The recommendations have been informed by a series of 20 in-person interviews with Community-based Organizations and community leaders. The interviewees include a broad list of focus communities, including community resources, youth, disability, multiple ethnicities, low-income, farmworkers, children-family-seniors, and others.

The Equity and Environmental Justice document (Appendix B of the draft report) has been provided to cities, project sponsors, and developers, along with the other tools developed through this project, and is intended to provide sensitivity, awareness, and best practices to those that may implement the project types in communities, for review and comment.

ATTACHMENT

None

C/CAG AGENDA REPORT

Date: October 28, 2024

To: Congestion Management and Environmental Quality (CMEQ) Committee

From: Reid Bogert, Stormwater Program Director

Subject: Receive information on Countywide Stormwater Program updates related to its OneWatershed Framework Project, U.S. EPA Community Change Grant application and Rain Barrel Rebate Program.

(For further information or questions contact Reid Bogert at rbogert@smcgov.org)

RECOMMENDATION

That the Congestion Management and Environmental Quality Committee (Committee) receive information on Countywide Stormwater Program updates related to its OneWatershed Framework Project, U.S. EPA Community Change Grant application and Rain Barrel Rebate Program.

BACKGROUND/DISCUSSION

C/CAG's Countywide Stormwater Program provides technical support services to the 21 municipalities in San Mateo County and the San Mateo County Flood and Sea Level Rise Resiliency District to comply with the Municipal Regional Stormwater Permit (MRP), administered by the San Francisco Bay Regional Water Quality Control Board. The Countywide Stormwater Program is currently advancing several integrated watershed management program activities that will support MRP compliance goals and help communities in San Mateo County prepare for and adapt to the anticipated impacts of climate change, as detailed below.

As part of its focus on advancing green stormwater infrastructure at a countywide scale, C/CAG is leading a \$650,000 multi-agency grant with funding from the Governor's Office of Landuse and Climate Innovation (previously the Office of Planning and Research) under the Integrated Climate Adaptation and Resilience Program (ICARP) Adaptation Planning Grant Program for the *San Mateo County OneWatershed Climate Resilience Framework and Community-Led Plan* project (the OneWatershed Framework). The OneWatershed Framework is intended to establish a methodology for evaluating the shared-risk of climate impacts to water infrastructure (stormwater, sewer, water supply) and watershed resources at a subwatershed scale in San Mateo County. This integrated watershed management approach builds on years of work led by the various project partners, including the County's Sea Level Rise Vulnerability Assessment, OneShoreline's resilience planning and flood reduction projects, the Bay Area Water Supply and Conservation Agency's Water Supply Reliability Round Table, Climate Resilient Communities' Climate Change Community Team model and the Countywide Stormwater Program's efforts in multi-benefit stormwater infrastructure planning and implementation. The overall goal of this effort is to leverage relevant climate hazard and watershed asset data to further advance a model for equitable and collaborative integrated watershed management to address climate hazard exposure risks, identify the highest priority/most at-risk service areas in the county through a shared-risk analysis, and pilot the developed framework in a community-led OneWatershed Climate Resilience Plan for the San Bruno Creek Watershed.

Leveraging C/CAG's *Implementing OneWatershed Climate Resilience Infrastructure in San Mateo County* grant application submitted under the NOAA Climate Resilience Regional Challenge grant last February as part of the OneWatershed Framework Project (which was not selected for funding),

C/CAG is currently developing a new proposal for funding under the U.S. Environmental Protection Agency's (U.S. EPA) Community Change Grant Program (CCGP) in partnership with Climate Resilience Communities and several additional collaborators in San Mateo County. The overarching goals of the CCGP are to support substantial investments in community-driven resilience infrastructure and engagement programs that would provide direct climate resilience, pollution prevention and capacity building benefits to eligible Disadvantaged Communities, as defined under the U.S. EPA's program guidelines and requirements. There is a significant focus on reducing public health impacts related to climate change for the most at-risk communities and an emphasis on including multi-benefit and nature-based infrastructure solutions. Track I applications (focusing on implementation) are expected to be funded at a level between \$10-\$11 million, and under the Inflation Reduction Act (IRA), there is no matching fund requirement. The CCGP includes a total of \$2 billion in IRA funds for this one-time grant program. C/CAG staff has developed an initial set of proposed project components and a plan for developing the application in collaboration with its proposed partners. Applications are accepted on a rolling basis and are due no later than November 21, 2024. Details on C/CAG's preliminary draft scope of work and budget are provided in Attachment

Lastly, as an ongoing partnership between C/CAG and the Bay Area Water Supply and Conservation Agency (BAWSCA), C/CAG is hosting a bulk-order rain barrel rebate program in Fiscal Year 2024-25 with two planned distribution events this winter. The Countywide Stormwater Program's outreach platform, Flows To Bay will be partnering with the City of San Carlos and the Town of Hillsborough to promote and host two rain barrel distribution events at the Town of Hillsborough's Town Hall and the City of San Carlos' Corporation Yard on December 7 and December 14, respectively. Residents anywhere in the county may pre-purchase discounted rain barrels through a dedicated e-commerce website managed by the rain barrel distributor, Rain Water Solutions, and will pick-up their barrels at a chosen location on either date. Residents purchasing barrels through this program may also submit applications for a rebate of up to \$100 each (depending on their water service area) for a maximum of two 50-gallon barrels via BAWSCA's online rebate application portal ([Rebates \(bawasca.org\)](https://www.bawasca.org)). The rain barrel rebate program is a great way to encourage residents to participate in sustainable stormwater management and using stormwater as a resource. It also supports the Countywide Stormwater Program's annual task work related to public information and participation requirements under the MRP.

Staff will provide a verbal presentation summarizing the above program updates and will offer the Committee an opportunity to provide feedback on ongoing activities.

EQUITY IMPACTS AND CONSIDERATIONS

The ICARP and Adaptation Planning Grant Program emphasize reducing climate risk to the most vulnerable and underserved communities. The *OneWatershed Framework and Community-Led Plan* project addresses this primary goal through partnership with Climate Resilient Communities (CRC), a community based organization working to increase the adaptive capacity of communities in San Mateo County through a community-centered engagement process. The OneWatershed Framework and countywide shared-risk assessment will include vulnerable community demographic data to identify broad scale areas of shared risk in the County. The OneWatershed Framework approach also proposes to include CRC's community vulnerability assessment model for conducting a community scale vulnerability assessment as part of the pilot San Bruno Creek OneWatershed Climate Resilience Plan. The EPA Community Change Grant Program is also entirely focused on addressing the on the ground needs of at-risk communities, as defined by the EPA Disadvantaged Communities and Environmental Program Map - [ArcGIS - My Map](#). Each of the proposed project components is located in or provides direct benefit to communities within these specific geographic areas. C/CAG staff has taken steps to evaluate the most feasible and high leverage opportunities to secure funding

for infrastructure and program enhancements in coordination with C/CAG's member agencies and partners.

ATTACHMENTS

- 1) OneWatershed Framework Project Fact Sheet
- 2) OneWatershed Framework Approach Memo
- 3) CCGP Preliminary Draft Scope and Budget

The following attachments are available on the C/CAG website (*See "Additional Agenda Materials" for the relevant Committee Meeting*) at: <https://ccag.ca.gov/committees/stormwater-committee/>

- 4) OneWatershed TAC Charter
- 5) OneWatershed EPC Workgroup Charter
- 6) OneWatershed Project Workplan
- 7) Community Engagement Plan

In 2023, the City/County Association of Governments of San Mateo County (C/CAG) received a California Integrated Climate Adaptation and Resilience Program (ICARP) Adaptation Planning Grant Program grant to develop and pilot the **OneWatershed Framework**, an equitable climate adaptation approach focused on integrated watershed management.

Climate risks in San Mateo County include flooding due to sea level rise and extreme precipitation, water supply stress due to hydrologic drought, emergent groundwater, and urban heat. Underserved and vulnerable communities in San Mateo County are at disproportionate risk of climate impacts.

The **OneWatershed Framework** will assess the regional and shared-risk of climate change to water infrastructure and resources (sewer, water, stormwater) and develop opportunities to build adaptive capacity to climate impacts for the most vulnerable communities.

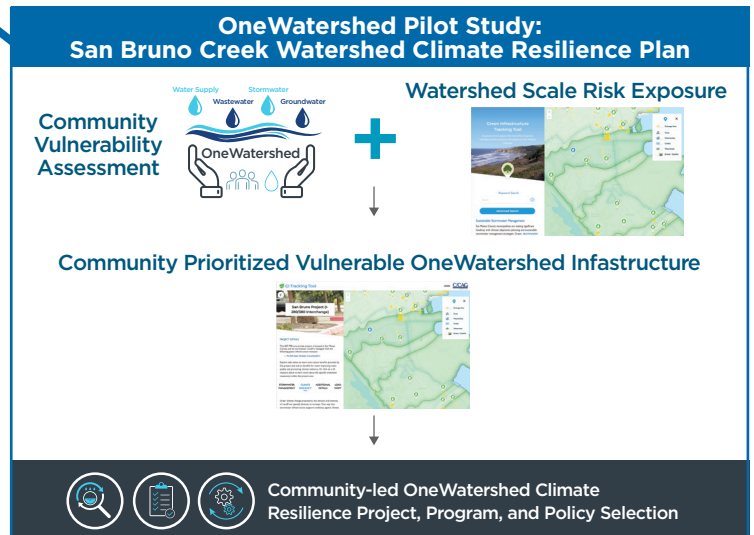
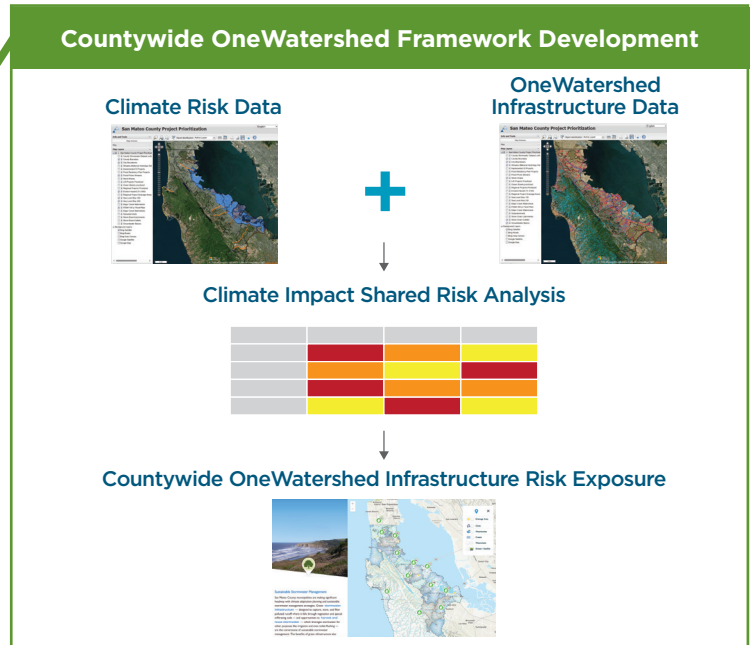
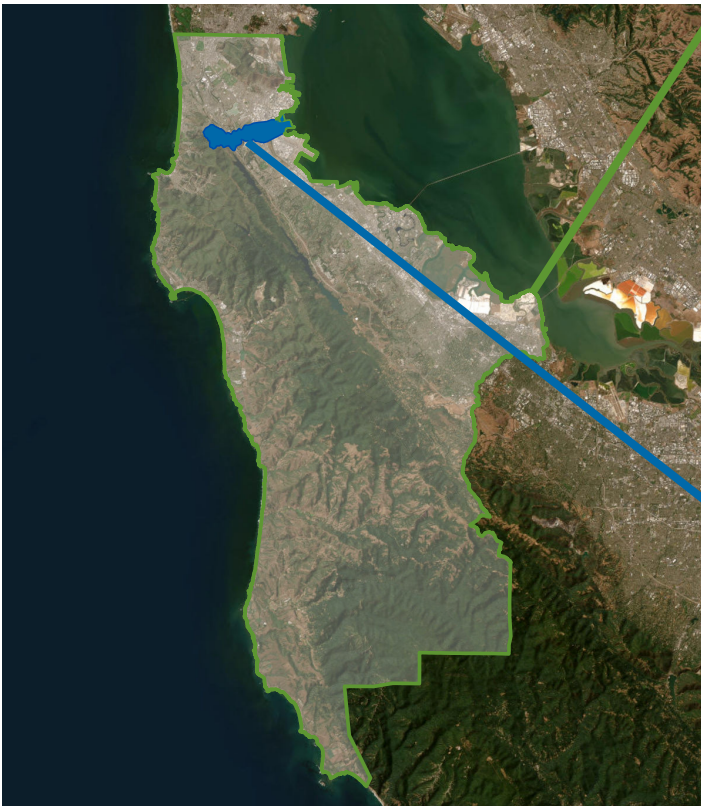
OneWatershed Climate Resilience Projects will support:

- 
FLOOD RISK REDUCTION
- 
WATER SUPPLY RELIABILITY
- 
PUBLIC SAFETY AND ACTIVE TRANSPORTATION
- 
AND OTHER COMMUNITY CO-BENEFITS

C/CAG OneWatershed Framework

Fact Sheet

The **OneWatershed Framework** approach will be piloted in the San Bruno Creek Watershed. Data and results will be publicly available through the **OneWatershed Dashboard**, which will be integrated into the existing C/CAG GI Tracking Tool.



To support **OneWatershed Climate Resilience Project** funding, C/CAG submitted an application for the National Oceanic and Atmospheric Administration (NOAA) Climate Resilience Regional Challenge, also funded through this project.

The **OneWatershed Framework Project** is supported by the Adaptation Planning Grant Program implemented by the Governor’s Office of Planning and Research.

Revised Draft Memorandum

Date: June 3, 2024
To: OneWatershed Project Technical Advisory Committee and Equity Priority Community Workgroup
Copies to: Reid Bogert, C/CAG, OneWatershed Project Management Team
From: Kelly Havens, Principal, and Megan Otto, Principal, Geosyntec Consultants
Subject: OneWatershed Framework Development Approach Memorandum
Geosyntec Project Number: CWR0888

1. OBJECTIVE OF MEMORANDUM

In 2023, the City/County Association of Governments of San Mateo County (C/CAG) received a California Integrated Climate Adaptation and Resilience Program (ICARP) Adaptation Planning Grant Program grant to develop and pilot the OneWatershed Framework, an equitable climate adaptation approach focused on integrated watershed management.

Watershed related climate risks in San Mateo County include flooding due to sea level rise and extreme precipitation, water supply stress due to hydrologic drought, emergent groundwater, and urban heat. Underserved and vulnerable communities in San Mateo County are at disproportionate risk of climate impacts.

In collaboration with the OneWatershed Project partners, C/CAG is developing the OneWatershed Framework as a method to assess the regional and shared-risk of climate change to water infrastructure and resources (sewer, water, and stormwater) and develop opportunities to build adaptive capacity to climate impacts for the most vulnerable communities. The OneWatershed Framework is intended to define a collaborative structure that can be used on a longer-term basis to advance equitable watershed-based climate resilience in San Mateo County. The OneWatershed Framework Report, developed through the ICARP grant funding by the end of 2024, will conceptually define the goals, processes, data analyses, and stakeholder communication/outreach needs that can be used to understand the shared risk of climate impacts for water infrastructure at the watershed scale and develop and advance climate resilience projects that target those impacts. The Report will be developed with input from the OneWatershed Project Technical Advisory and Equity Priority Committee.

The approach presented in the OneWatershed Framework Report will be piloted in the San Bruno Creek Watershed and used to develop the San Bruno Creek Community-Led OneWatershed Climate Resilience Plan.

This OneWatershed Framework Development Approach Memorandum describes the data, statewide guidance, local plans, and other assessment frameworks and additional considerations from initial research, literature review and findings that will be used to inform the process of developing the OneWatershed Framework and documenting the approach in the OneWatershed Framework Report.

2. INPUTS TO ONEWATERSHED FRAMEWORK DEVELOPMENT

The data, guidance and plans, and proposed community vulnerability assessment approach (led by Climate Resilient Communities) that will guide the development of the OneWatershed Framework are each summarized in the following subsections.

2.1 Data Used

To evaluate County-wide climate-related “shared risk” or risk exposure of OneWatershed assets (focusing on stormwater/flood/sewer/water supply infrastructure), a geospatial analysis will be conducted to identify where assets are co-located with climate impact driver risk factors. This analysis requires geospatial information system (GIS) data to complete. GIS data compiled for the OneWatershed Framework includes stormwater infrastructure (e.g., storm drains, catchments, outfalls, watershed boundaries, etc.), groundwater resources (e.g., groundwater basins, etc.), wastewater infrastructure (e.g., wastewater treatment facilities), water reclamation facilities, water supply infrastructure (e.g., reservoirs, dams, etc.), social vulnerability (e.g., disadvantaged/underserved communities, etc.), and climate impact projections (e.g., extreme heat, hazard risk data, erosion hazard, sea level rise, etc.). The data have been compiled in the OneWatershed [Web Viewer](#) and is described in the OneWatershed Data Inventory, which is attached to this memorandum (Attachment A).

The data coverage will inform the geographic extent of the Countywide data analyses used to develop the OneWatershed Framework. The available geospatial coverage of climate risk data and impact probabilities and magnitude available in associated studies will inform the climate shared-risk logic-based analyses approach. A OneWatershed Infrastructure Shared-risk Analysis approach will describe the methods proposed to estimate climate impact shared risk based on identified and available prioritized asset, community, risk data. This will be developed as a section of the OneWatershed Framework Report.

The geospatial data compiled in the Web Viewer and described in Attachment A will be used to complete the countywide climate shared-risk analyses. Note that the OneWatershed Framework is intended to create a high-level assessment of shared climate risks to watershed infrastructure throughout San Mateo County. As outlined in the project scope of work, the OneWatershed Framework will be piloted in the San Bruno Creek watershed, and separate watershed-specific data is expected to be researched, requested, and compiled as part of the pilot application. The watershed-specific data gathering exercise will attempt to fill some of the data gaps identified at the countywide scale.

2.2 Guidance and Plans

In addition to geospatial data, described in the previous section, existing guidance, plans, and studies will be reviewed to inform the OneWatershed Framework. This will entail review of completed climate adaptation and resilience planning efforts, especially those that are collaborative across multiple departments, agencies, jurisdictions, and/or community groups and developed to drive community-scale integrated resilience planning and implementation. The OneWatershed Framework approach development will incorporate relevant methods, information, and processes from completed, relevant climate risk analysis studies that examine OneWatershed infrastructure Countywide or include climate risk related strategies.

The Guidance and Plans that will be reviewed include:

- San Mateo County Sea Level Rise Vulnerability Assessment (San Mateo County 2018)
- San Mateo County Multijurisdictional Local Hazard Mitigation Plan (San Mateo County 2021)
- San Mateo County Community Climate Action Plan (San Mateo County 2022)
- San Mateo County Sustainable Streets Master Plan (C/CAG 2021)
- SF Environment and SFPUC Climate Action Plan Water Supply Addendum (SF Environment & SFPUC 2023)
- BAWSCA’s Long-Term Reliable Water Supply Strategy (BAWSCA 2015)
- Publicly Owned Treatment Works Climate Resilience Survey (San Francisco Regional Water Quality Control Board 2021)
- San Francisco Bay Conservation and Development Commission (BCDC) Adapting to Rising Tides Portfolio (BCDC 2020)
- California Adaptation Planning Guide (California Governor’s Office of Emergency Services 2020)
- California’s Water Supply Strategy (CNRA et al. 2022)
- California Water Plan Update (CNRA et al. 2023)
- Draft California Sea Level Rise Guidance (CA OPC et al. 2024)
- Draft California Climate Adaptation Strategy (CNRA 2024)
- 2023 Drinking Water Needs Assessment (SWRCB, 2023)
- Climate Resilience Framework Recommendations Report (City of Toronto, 2019)
- Sonoma Water Climate Adaptation Plan (Sonoma Water, 2021)

In addition to the guidance and plans that will inform the OneWatershed Framework approach, watershed-based plans will be referenced for the San Bruno Creek pilot to compile previously identified project opportunities. These will include but not be limited to:

- City of San Bruno Green Infrastructure Plan (City of San Bruno 2019)
- Draft City of San Bruno Climate Action Plan (City of San Bruno 2012)
- City of San Bruno Storm Drain Master Plan (City of San Bruno 2014)
- San Bruno Creek/Colma Creek Resiliency Study (SFO 2015)
- The San Francisco Estuary Institute’s San Francisco Bay Shoreline Adaptation Atlas (SFEI & SPUR 2019)
- San Mateo County Stormwater Resource Plan (SMCWPPP 2017)
- Advancing Regional-Scale Stormwater Management in San Mateo County (SMCWPPP 2022)

These guidance, plans, and studies will be reviewed to establish the analyses that have been completed thus far. The project team will work with the OneWatershed Technical Advisory Committee (TAC) and Equity Priority Community (EPC) Workgroup to develop the “next steps” that could be implemented through the OneWatershed Framework to progress completed planning and analysis efforts towards implementation of OneWatershed climate resilience solutions.

2.3 Community Vulnerability Assessment Approach

The OneWatershed Framework will incorporate a Community Vulnerability Assessment to gather information from community members and provide the community-scale front line data on risk and exposure to inform the OneWatershed Community-Led Plan in the San Bruno Creek Watershed. The Community Vulnerability Assessment output will be used to understand community sensitivity to climate risks, potential impacts from climate risks, and the community’s existing adaptive capacity. The Community Vulnerability Assessment is a key component of the overall proposed OneWatershed Framework approach.

Project team member Climate Resilient Communities (CRC) will conduct a Community Vulnerability Assessment for the pilot application in the San Bruno Creek Watershed. The Community Vulnerability Assessment will delve more deeply into climate- and water-related impacts and concerns in the community through engagement with community members and the Climate Change Community Team established for the watershed. Information will be gathered through the assessment, including population characteristics; work, travel, and water consumption patterns; water-related environmental exposures and risks; and geographic and water infrastructure amenities.

The Geosyntec Team will consult with CRC during the development of the OneWatershed Framework to establish how the Community Vulnerability Assessment results will be integrated

with the climate shared-risk analyses. During the pilot phase, the output specific to the San Bruno Creek watershed will also be discussed with CRC to determine how best to integrate the geospatial output with the community information.

3. NEXT STEPS

This Revised Draft OneWatershed Framework Approach memorandum, [Web Viewer](#), and Data Inventory (Attachment A) will be reviewed by the Technical Advisory Committee and the Equity Priority Community Workgroup. Comments from these committee members will be integrated into in a Final version of this memorandum, and considered as the OneWatershed Infrastructure Shared-risk Analysis report section is developed in Summer 2024.

The OneWatershed Framework will be fully described in the OneWatershed Framework Report, scheduled to be completed in Fall of 2024. This Report will describe the development of the OneWatershed Framework, how vulnerable OneWatershed infrastructure assets will be identified and recommendations for how agencies in San Mateo County can better work across sectors and with local communities to identify and prioritize watershed-specific mitigation measures, or OneWatershed Climate Resilience Projects through locally developed OneWatershed studies and action plans.

4. REFERENCES

- Bay Area Waer Supply & Conservation Agency (BAWSCA). 2015. *Long-Term Reliable Water Supply Strategy Phase II Final Report*. Prepared by CDM Smith for BAWSCA. February.
- Bay Conservation and Development Commission (BCDC). 2020. *Adapting to Rising Tides Bay Area Regional Sea Level Rise Vulnerability and Adaptation Study*. March.
- California Governor’s Office of Emergency Services. 2020. *California Adaptation Planning Guide*. June.
- California Natural Resources Agency (CNRA) et al. 2022. *California’s Water Supply Strategy Adapting to a Hotter, Drier Future*. August.
- CNRA. 2023. *California Water Plan 2023 Update*. December.
- CNRA. 2024. *DRAFT California Climate Adaptation Strategy*. May.
- California Ocean Protection Council (CA OPC) et al. 2024. *DRAFT: State of California Sea Level Rise Guidance: 2024 Science and Policy Update*. January.
- Caifornia State Water Resources Control Board. 2023. *2023 Drinking Water Needs Assessment*. April.
- City/County Association of Governments of San Mateo County (C/CAG). 2021. *San Mateo Countywide Sustainable Streets Master Plan*. January.

- City of San Bruno. 2012. *City of San Bruno Climate Action Plan Public Review Draft*. October.
- City of San Bruno. 2014. *Storm Drain Master Plan Final Report*. Prepared by GHD, Inc. for the City of San Bruno. June.
- City of San Bruno. 2019. *City of San Bruno Green Infrastructure Plan*. August.
- City of Toronto. 2019. *Climate Resilience Framework and Recommendations Report*. Prepared by SSG. March.
- San Francisco Bay Regional Water Quality Control Board, April 14, 2021. *Climate Change Questionnaire from Bill Johnson Chief, NPDES Wastewater Division to Municipal Wastewater Dischargers*.
- San Francisco Environment Department (SF Environment). 2021. *San Francisco's Climate Action Plan*. December.
- SF Environment & San Francisco Public Utilities Commission (SFPUC). 2023. *San Francisco's Climate Action Plan Water Supply Addendum*.
- San Francisco Estuary Institute (SFEI) & SPUR. 2019. *San Francisco Bay Shoreline Adaptation Atlas: Working with Nature to Plan for Sea Level Rise Using Operational Landscape Units*. Publication #915, SFEI, Richmond, CA. April.
- San Francisco International Airport (SFO). 2015. *San Bruno Creek / Colma Creek Resiliency Study Final Report*. Prepared by Moffat & Nichol and AGS for SFO. August.
- San Mateo County. 2018. *County of San Mateo Sea Level Rise Vulnerability Assessment Final Report*. San Mateo County Office of Sustainability.
- San Mateo County. 2021. *Multijurisdictional Local Hazard Mitigation Plan*. Prepared by Tetra Tech for San Mateo County Department of Emergency Management. October.
- San Mateo County. 2022. *San Mateo County Community Climate Action Plan*. San Mateo County Office of Sustainability.
- San Mateo Countywide Water Pollution Prevention Program (SMCWPPP). 2017. *Stormwater Resource Plan for San Mateo County*. Prepared by Paradigm Environmental and Larry Walker Associates, Inc. for City/County Association of Governments, SMCWPPP, Redwood City, CA. February.
- SMCWPPP. 2022. *Advancing Regional-Scale Stormwater Management in San Mateo County: Regional Collaborative Program Framework White Paper – FINAL*. Prepared by Geosyntec Consultants, Inc. and Kieser & Associates, LLC for City/County Association of Governments, SMCWPPP, Redwood City, CA. January.
- Sonoma Water. 2021. *Sonoma Water Climate Adaptation Plan*. Prepared by Jacobs. October.

ATTACHMENT A

Refer To Excel File:

OneWatershed_Data Inventory Log_Draft_060324. xlsx

U.S. EPA Community Change Grant Strategies and Budget - PRELIMINARY DRAFT

No.	Strategy	Lead	Location	Budget
1 OneWatershed Community Change Infrastructure Planning and Implementation				
a)	Implementation (full or partial) of Sustainable Streets projects in East Palo Alto/Daly City/South San Francisco	C/CAG	EPA/DC/SSF	\$ 5,425,000
c)	San Bruno Walnut Pump Station Retrofit and Creek Restoration	OneShoreline	San Bruno	\$ 5,725,000
e)	San Mateo Countywide OneWatershed Strategic Plan	C/CAG	Countywide	\$ 265,000
2 Community Change Engagement Activities and Pilot Greening				
a)	Expand community capacity-building through rain gardens at residential properties and public sites	CRC	EPA/NFO/RWC/Daly City/San Bruno/SSF	\$ 3,500,000
b)	Schoolyard tree-planting pilot projects/District Resilient Schoolyards Training + Symposium	Canopy/COE/GSA	School Districts in eligible DACs countywide	\$ 2,835,000
3 Community Change Workforce Development Pilot Program				
a)	Pilot Green Workforce Development Program focusing on urban forestry and GSI maintenance	JobTrain/Rescape/Canopy	EPA/Menlo Park Pilot	\$ 1,800,000
4 Grant Management/Administration				
a)	C/CAG Admin	C/CAG		\$ 200,000
b)	Grant Management	C/CAG/Consultant		\$ 250,000
Grant Total				\$ 20,000,000