

PARTNERSHIP AGREEMENT FOR THE PARTNERSHIP STRUCTURE FOR THE SAN MATEO COUNTY ONEWATERSHED CLIMATE RESILIENCE FRAMEWORK AND COMMUNITY-LED PLAN

This Partnership Agreement ("Agreement") for the Partnership Structure for the San Mateo County OneWatershed Climate Resilience Framework and Community-Led Plan ("Project") is made and entered into this 29th day of September, 2023, by and between the City/County Association of Governments of San Mateo County (C/CAG), Climate Resilient Communities, the Bay Area Water Supply and Conservation Agency (BAWSCA), the City of San Bruno, the County of San Mateo, the San Mateo County Flood and Sea Level Rise Resiliency District (OneShoreline), and the City of South San Francisco (each a "Partner" and collectively the "Partners").

1. Background

A. This Partnership Agreement is entered into pursuant to requirements of the Adaptation Planning Grant Program ("APGP") and the objectives outlined in the San Mateo County OneWatershed Climate Resilience Framework and Community-Led Plan Application ("Project Application"), referred to and incorporated herein as Exhibit A, and memorializes basic terms to govern the planning and implementation of the Project Scope of Work and Budget, originally submitted with the Project Application and since revised and finalized by the Partners with approval from the APGP Grant Program Manager, referred to and incorporated herein as Exhibit B.

B. Through this Agreement, the Partners commit to work together to implement the activities identified in Exhibit A. C/CAG is the Lead Applicant and Climate Resilient Communities, BAWSCA, the City of San Bruno, the County of San Mateo, OneShoreline, and the City of South San Francisco's Water Quality Control Plant are all Co-Applicants. The Lead Applicant and Co-Applicants have developed the Project Application in accordance with the APGP requirements and are prepared to undertake the below responsibilities and commitments for the term of the APGP Grant. The term of the APGP Grant is defined as commencing on the date that all parties have signed the Grant Agreement and concluding upon Project completion and payment of the last invoice ("Grant Term"). Per the Project Work Plan in Exhibit B, the Project period is anticipated to conclude September 2025.

2. Roles and Responsibilities

2.1 Lead Applicant

As the Lead Applicant, C/CAG commits to all duties and responsibilities corresponding to the Lead Applicant role for the Project for the Grant Term. C/CAG is fully committed to the activities and deliverables of the Project Application, the requirements of the APGP Grant, and the stipulations of this Agreement, and agrees to take all actions necessary to effectuate the requirements of the APGP Grant as set forth therein.

As Lead Applicant, C/CAG's responsibilities include but are not limited to:

- a. Overseeing and coordinating all elements of the Project and the Work Plan;

- b. Preparing and managing requests for reimbursements of APGP Grant funds;
- c. Request all records and documentation from Co-Applicants, as needed, to support all activities with respect to implementing the Project and administering the APGP Grant funds;
- d. Retaining all records and documentation of actions taken with respect to the Project, including copies of all documentation of actions undertaken by Partners related to achieving grant deliverables and supporting any APGP Grant reporting;
- e. Leading and coordinating all aspects of consultant contract procurement, contract execution, and managing any consultant contracts related to the Project;
- f. Submitting all invoices and required APGP Grant reports to the APGP Program staff;
- g. Participating in regular (at minimum quarterly) check-in meetings with APGP Program staff;
- h. Participating in the proposed Project Management Team (to be comprised of the Partners and selected Consultant) and associated check-in meetings to provide general direction and oversight for the Project and all major Project deliverables;
- i. Participating in relevant Equity Priority Community, Technical Advisory, and Climate Change Community Team meetings;
- j. Supporting additional engagement with relevant stakeholders, as deemed supportive of the Project by the Project Management Team;
- k. Achieving and monitoring goals and associated indicators as defined by Exhibits A and B and the APGP Grant Guidelines;
- l. To further support the goals and deliverables of the Project, C/CAG will provide technical input and expertise related to regional and countywide policies, regulations, programs and infrastructure related to green stormwater infrastructure, multi-benefit stormwater management, climate resilience, and interagency coordination and collaboration.

2.2 Co-Applicants

A. The Co-Applicants (all Partners except C/CAG, which is the Lead Applicant) verify that each has the staff capacity, expertise, and abilities to perform the duties and responsibilities outlined below and as further detailed in the Project Work Plan in Exhibit B, and commits to fulfilling these duties and responsibilities:

- a. Submitting copies of all records and documentation of actions taken with respect to the Project to the Lead Applicant upon request;
- b. Participating in and supporting the consultant procurement process for the Project;
- c. Participating in regular check-in meetings to provide general direction and oversight for the Project and all major Project deliverables;

- d. Participating in relevant Equity Priority Community, Technical Advisory, and Climate Change Community Team meetings, as defined in the Project Work Plan in Exhibit B;
- e. Supporting additional engagement with relevant stakeholders, as deemed supportive of the Project by the Project Management Team.

B. To further support the goals and deliverables of the Project, the Co-Applicants will provide subject area technical expertise in the following areas:

- a) BAWSCA will provide technical input and expertise on regional and local water supply policies, regulations, programs and infrastructure related to regional water supply, water conservation and water reliability strategies, climate resilience, and interagency coordination and collaboration.
- b) City of San Bruno will provide technical input and expertise on local and regional stormwater policies, regulations, programs and infrastructure, as well as community-specific climate resilience challenges and opportunities, related to storm drain systems, green stormwater infrastructure, climate resilience, water supply, and sanitary sewer systems in the San Bruno Creek Watershed area.
- c) City of South San Francisco will provide technical input and expertise on local and regional sanitary sewer policies, regulations, programs and infrastructure, as well as community-specific climate resilience challenges and opportunities related to sanitary sewer systems in the San Bruno Creek Watershed area and for the sewer collection system serviced by the South San Francisco-San Bruno Water Quality Control Plant.
- d) Climate Resilient Communities will provide technical input and expertise on regional and local equity and social justice policies, regulations, and programs, as well as community-led strategies to address historic underinvestment and inequity related to water and climate change in the San Bruno Creek Watershed and throughout San Mateo County.
- e) County of San Mateo will provide technical input and expertise on local and regional stormwater policies, regulations, programs and infrastructure related to storm drain systems, green stormwater infrastructure, and climate resilience within unincorporated areas of San Mateo County, including the San Bruno Creek Watershed area.
- f) OneShoreline will provide technical input and expertise on regional efforts to address the climate change impacts of sea level rise, flooding, and coastal erosion in the San Bruno Creek Watershed area, particularly hydraulic and hydrologic modeling efforts for the watershed, information needs related to the

flood protection infrastructure owned and maintained by OneShoreline, and interagency coordination and collaboration.

4. Partnership Structure Organization

4.1 General

The Partnership will establish a Project Management Team that will be composed of representatives from all Partners and the selected Consultant. Each representative will serve as the primary point of contact for the Partner they represent and will be responsible for coordinating the Partner's involvement in the Project. The representatives will facilitate communication, decision-making and coordination between the Partners. The Partnership may add or remove Partners upon consensus of all Partner representatives of the Project Management Team and approval by the Governor's Office of Planning and Research (OPR).

In the event a Partner wishes to voluntarily withdraw from the partnership under this Agreement before the completion of the Grant Term, the Partner must provide a written request to the other Partners stating the reason for the withdrawal and the proposed effective date of the withdrawal. The notice period shall be no less than thirty (30) days prior to the intended date of withdrawal from the Project. Any Partner wishing to withdraw from the partnership must submit a withdrawal notice no later than ninety (90) days prior to the completion of the Project period, currently anticipated to be September 30, 2025.

During the notice period, the Partners, including the withdrawing Partner, shall work together in good faith to develop a transition plan to minimize disruption to the Project. The plan should include the transfer of responsibilities and all documentation and Project work products related to the Project that were associated with or managed by the withdrawing Partner.

4.2 Meetings

The Project Management Team will meet approximately monthly, or at a frequency otherwise agreed upon by the Project Management Team, over the Grant Term. Meetings will be facilitated by the representative of the Lead Applicant, the selected Project Consultant and/or a representative of a relevant Partner as appropriate for a given meeting. The Partners agree to lead and/or support the planned number and frequency of Project meetings, including Equity Priority Community and Climate Change Community Team focus group meetings/workshops, Technical Advisory Committee meetings/workshops and any other Project meetings defined in the Project Work Plan and/or added to the Work Plan upon execution of a contract with a Project Consultant. Agendas and meeting materials shall be circulated prior to meetings to the Project Management Team and any other meeting attendees. Notes shall be circulated following meetings.

4.3 Decision-Making and Dispute Resolution

Significant decisions for the Project shall be made upon the majority vote of representatives of the Partners or by no objection from any representative of the

Partners. At the outset of the Project, the Partners will determine their preferred decision-making process. In order to bring a matter requiring decision-making before the Project Management Team, the Partner requesting the decision must provide relevant background information, such as information on alternative solutions and outcomes, to the other representatives at a relevant Project Management Team meeting for discussion and to propose a decision.

If a dispute arises between the Partners, the representatives shall make good faith efforts to resolve the dispute. The representative of the Lead Applicant, if not a party to the dispute, shall serve as a facilitator to address the conflict at hand. If the Lead Applicant is involved in the dispute, the representatives shall select by a majority vote of them another representative to serve as a facilitator. The facilitator shall clarify the conflict, help to identify a common goal between the Partners involved, determine barriers to the goal, help parties come to an agreement on how best to resolve the conflict, and help determine the responsibilities each Partner has in the resolution.

For significant decisions related to Task 4 Project deliverables (related to developing the San Bruno Creek Watershed OneWatershed Climate Resilience Plan), as detailed in the Work Plan in Exhibit B, the Partner representative and/or other designated representative(s) from the City of San Bruno will have the first review authority, concurrently with C/CAG's Project Manager, prior to review by other Partners. San Bruno may also request additional modifications on final draft deliverables related to Task 4, subject to available budget and approval by C/CAG's Project Manager.

5.0 Mutual Hold Harmless

Pursuant to Government Code Section 895.4, each Partner agrees to fully indemnify, defend, and hold the other Partners (including their appointed and elected officials, officers, employees, and agents) harmless and free from any damage or liability imposed for injury (as defined by Government Code section 810.8) occurring by reason of the negligent acts or omissions or willful misconduct of the indemnifying Partner, its appointed or elected officials, officers, employees, or agents, under or in connection with any work, authority, or jurisdiction delegated to such party under this Agreement. No Partner, nor any appointed or elected official, officer, employee, or agent thereof, shall be responsible for any damage or liability occurring by reason of the negligent acts or omissions or willful misconduct of any other Partner, its appointed or elected officials, officers, employees, or agents, under or in connection, with any work, authority, or jurisdiction delegated to such other party under this Agreement.

6.0 Miscellaneous Provisions

This Agreement represents the entire and integrated agreement between the Partners. This Agreement may be revised upon written agreement of the Partners to comply with all administrative, statutory, and OPR Program requirements. This Agreement creates no right, benefit, or trust responsibility, substantive or procedural, enforceable at law or equity. The Partners shall manage their respective resources and activities in a separate, coordinated, and mutually beneficial manner to meet the purpose of the

Agreement. If any term or portion of this Agreement is held to be invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions of this Agreement shall continue in full force and effect. This Agreement may be executed in counterparts and/or by facsimile or other electronic means, and when each Partner has signed and delivered at least one such counterpart, each counterpart shall be deemed an original, and, when taken together with other signed counterpart, shall constitute one Agreement, which shall be binding upon and effective as to all Partners.

IN WITNESS, WHEREOF, the parties hereto have executed this Agreement on September 29, 2023.

Lead Applicant Signature line

DocuSigned by:

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City/County Association of Governments of San Mateo County (C/CAG)
Sean Charpentier, Executive Director

Co-Applicant 1 Signature Line

DocuSigned by:

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Climate Resilient Communities
Violet Saena, Executive Director

Co-Applicant 2 Signature Line

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Bay Area Water Supply and Conservation Agency
Nicole Sandkulla, Chief Executive Officer and General Manager

Co-Applicant 3 Signature Line

DocuSigned by:

C4C1DF6E1F6A4E2
City of San Bruno
Matthew Lee, Director of Public Works

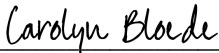
Co-Applicant 4 Signature Line

DocuSigned by:

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City of South San Francisco
Eunjeune Kim, Director of Public Works

Co-Applicant 5 Signature Line

DocuSigned by:



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County of San Mateo

Carolyn Bloede, Director of the Office of Sustainability

Co-Applicant 6 Signature Line

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San Mateo County Flood and Sea Level Rise Resiliency District (OneShoreline)

Len Materman, Chief Executive Officer

Exhibit A
Project Application Narrative

General Narrative Questions

Applicant Information

Proposed Project Name: OneWatershed Climate Resilience Framework and Community-led Plan

Lead Applicant: City/County Association of Governments of San Mateo County

Instructions

- **Word counts** are listed for each question. Adhering to word counts is strongly recommended, but not required.
- **Maps, figures, and pictures** may also be included as part of the responses.
- **Formatting** such as bullet points (•, ○, Ø), lettering (a, b, c), or underline may be used to organize responses. Avoid excessive formatting to ensure readability.
- **Naming conventions** for the workbook and application narrative should mirror the following format [Lead Applicant Name – Project Name- Name of Document] for example [City of Albuquerque – Climate Adaptation Plan - Narrative].

Checklist

Use the checklist below to ensure all materials have been submitted as part of the Application.

- ☐ General Narrative Questions (this Word document)
- ☐ Workbook (Includes Applicant Summary, Work Plan and Budget) (Excel)
- ☐ Letters of Support (PDF)

Project Vision & Priorities

250 words

1. Present the Vision Statement. Include the project approach, priority goals, objectives, and aspirations of your proposed project.

Vision: Communities in San Mateo County face climate change impacts including prolonged drought, extreme heat, sea level rise, and increased frequency and intensity of large storms. These challenges have the greatest impact on vulnerable communities. To build adaptive capacity proactively, effectively, and equitably in anticipation of water infrastructure-related climate change hazards, a Project Team of six water, stormwater, sewer infrastructure agencies in San Mateo County, in partnership with the community-based organization (CBO) Climate Resilient Communities (CRC), propose the San Mateo County OneWatershed Climate Resilience Framework Project (Project).

Approach: The Project Team will develop 1) a Countywide OneWatershed shared-risk water infrastructure asset and community vulnerability data inventory and 2) a OneWatershed Framework considering infrastructure, climate hazards, and community vulnerability criteria for prioritizing projects.

In collaboration with local partners, the team will apply the framework to the flood-prone San Bruno Creek watershed then co-create 3) a OneWatershed Climate Resilience Plan (Plan) including 1-3 project, policy update, or program opportunities (Figure 1).

Aspirations: The City/County Association of Governments (C/CAG) and partners aspire to:

- Establish and advance a cross-asset climate change adaptation framework and community of practice as a model for community-led risk and project opportunity area identification throughout San Mateo County and beyond;
- Establish a replicable watershed approach and expand opportunities for collaboratively managing stormwater, flooding, heat, SLR, and drought hazards cost-effectively and equitably;
- Create more resilient neighborhoods and watersheds; and
- Break down longstanding silos in water-related infrastructure planning and management to holistically solve climate adaptation challenges related to water.

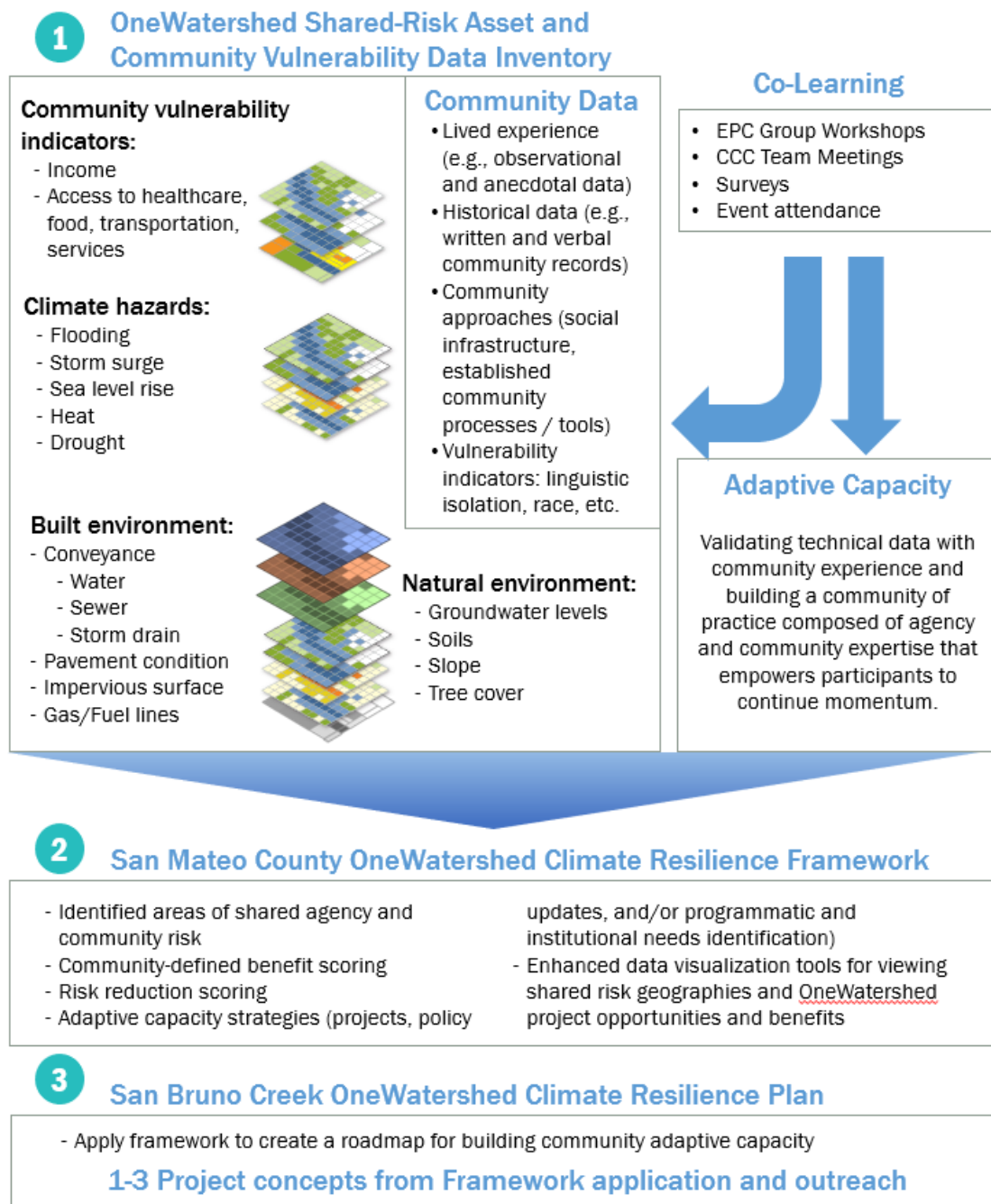


Figure 1. San Mateo County OneWatershed Climate Resilience Framework Project Approach demonstrating data inputs and co-learning that support adaptive capacity building and development of the countywide framework and local San Bruno Creek OneWatershed Plan.

Community Need & Adaptive Capacity

750 words

2. Provide any or all of the following, using any of the sources listed in Section A “Consideration of Vulnerable Communities” of the APGP Grant Guidelines.
 - a. An overview of any existing information about the proposed project area’s vulnerable communities, including population characteristics, locations, and other known factors contributing to vulnerability.
 - b. How the vulnerable communities have been involved in the proposed project to date (or, if this has not yet been feasible, the plan for how they will be involved from application submission date onward).
 - c. How the project will address unique needs, and enhance the adaptive capacity of, vulnerable communities.
3. Describe known climate change-related issues and possible solutions in the project region, as well as gaps in this knowledge the project will address, including any or all of the following:
 - a. Any existing information available on current and future climate change impacts, and gaps in known information.
 - b. Information on historic conditions, such as hazards faced by the community in the past.
 - c. How the proposed planning project will expand on existing knowledge and fill information gaps on climate change vulnerability, impacts, and/or adaptation solutions and build community resilience to climate change?

The San Mateo County Snapshot and Unique Qualities list (San Mateo County SLR Vulnerability Study [SLR VS], 2018) highlight its geographically and socio-economically diverse population in Figure 2.

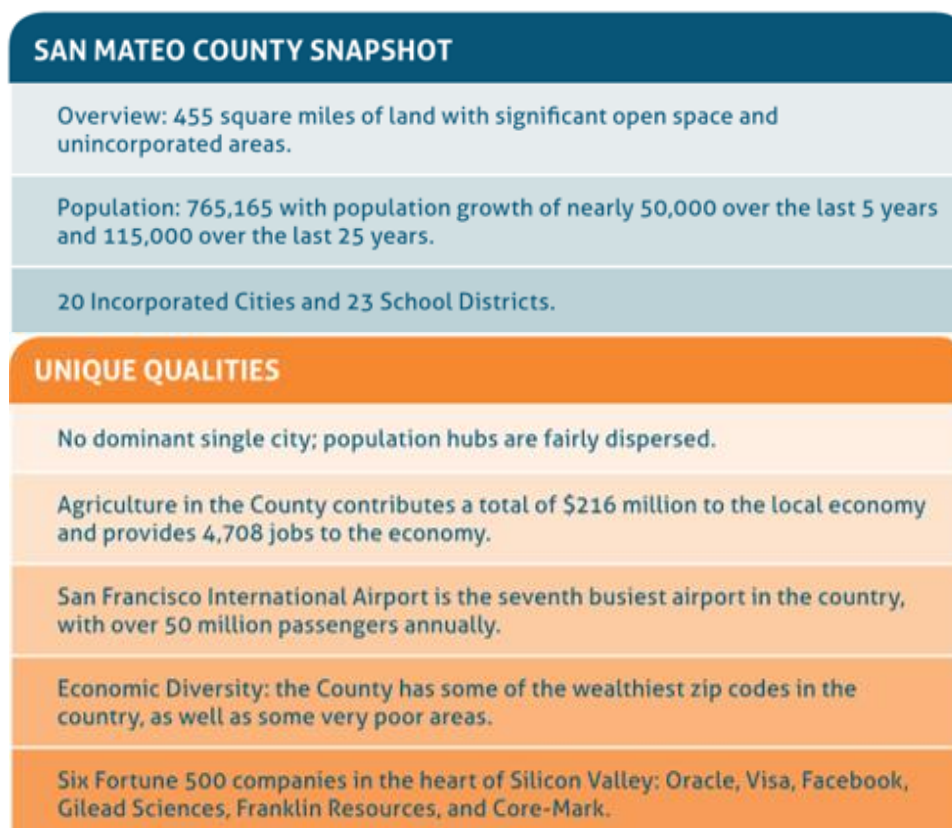


Figure 2. San Mateo County Snapshot and Unique Qualities (Source: San Mateo County Sea Level Rise Vulnerability Assessment, 2018)

Figure 3 presents selected County vulnerability indicators from the California Department of Public Health Climate Change & Health Vulnerability Indicators (CCHViz) webpage. The County has the largest population living in projected SLR inundation areas of all coastal counties in California (statistics on potential impacts shown in Figure 4). According to the SLR VS, the assessed value of parcels flooded in the next 50-100 years is roughly \$39.1 billion. To address the broad range of impacts, members of the Project Team are advancing multiple water/climate resilience planning efforts including, but not limited to, those presented in Table 1.

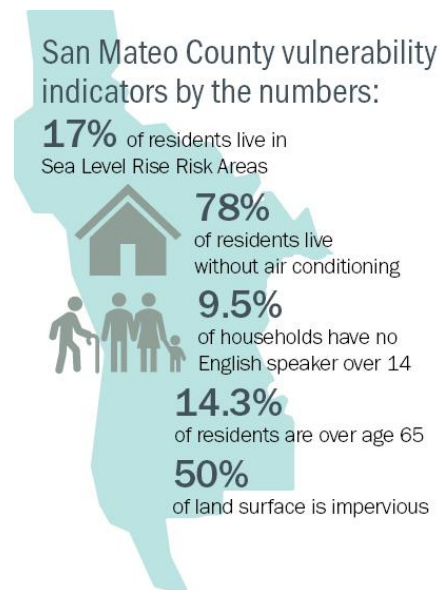


Figure 3. Vulnerability Indicators for San Mateo County (Source: CCHViz)

Lead Agency	Planning Effort Title	Description	Opportunity for Proposed Project to Expand / Fill Gaps
C/CAG	Regional Collaborative Program Framework	<ul style="list-style-type: none"> - Evaluated future increased stormwater runoff depths countywide. - Identified regional stormwater projects to treat runoff, reduce peak flows, and augment water supply. 	Obtaining funding remains a challenge. The Project can add community data and advance potential funding strategies.
C/CAG	Green Infrastructure Tracking Tool	<ul style="list-style-type: none"> - Uses a cloud-engine based mapping tool to map and track water quality, current and future volumes managed, and greened acres benefits of planned and constructed green infrastructure projects. - Funded by Caltrans Adaptation Planning Grant. 	The Project could enhance the existing tool by adding risk reduction and asset management for climate resiliency planning efforts by partner agencies.
San Mateo County Office of Sustainability (OOS)	Sea Level Rise Vulnerability Study (SLR VS)	<ul style="list-style-type: none"> - Holistic look at impacts of SLR on entire County - Led to creation of the San Mateo County Flood and Sea Level Rise Resiliency Agency (OneShoreline) 	The Project expands on infrastructure vulnerability analysis with a targeted water, sewer, and storm drain infrastructure lens for regional agency/community collaboration and watershed resilience.
San Mateo County Office of Sustainability (OOS)	Climate Ready SMC	Presents a multi-agency, community-centered evaluation of heat, wildfire, and SLR impacts on infrastructure and communities, policy tools, and city-level pilot adaptation projects.	
BAWSCA	Water Supply Reliability Roundtables	BAWSCA and County water agencies identified alternative supply sources such as groundwater recharge and stormwater capture for drought mitigation.	Project will integrate water supply infrastructure and use/demand data with other climate resilience analyses.
South San Francisco-San Bruno Water Quality Control Plant and Army Corp of Engineers	Lower Colma Creek Coastal Flood Risk Management Project	<ul style="list-style-type: none"> - Construct localized flood protection of the low laying areas around the plant. - Engineers designed the protections to supplement future larger scale regional efforts. - Funded by a US Army Corp of Engineers grant and City of South San Francisco. 	Project builds a framework in which partners can add infrastructure updates and shift risk profiles as new projects come online.

The County is making significant strides and has an abundance of data, but uncoordinated planning can impede collaborative projects to support cross-agency and vulnerable community risk reduction. Past efforts also have not been fully centered on vulnerable communities. The Project will build on exiting efforts and identify those areas with the greatest shared risk. Our project seeks to answer these questions:

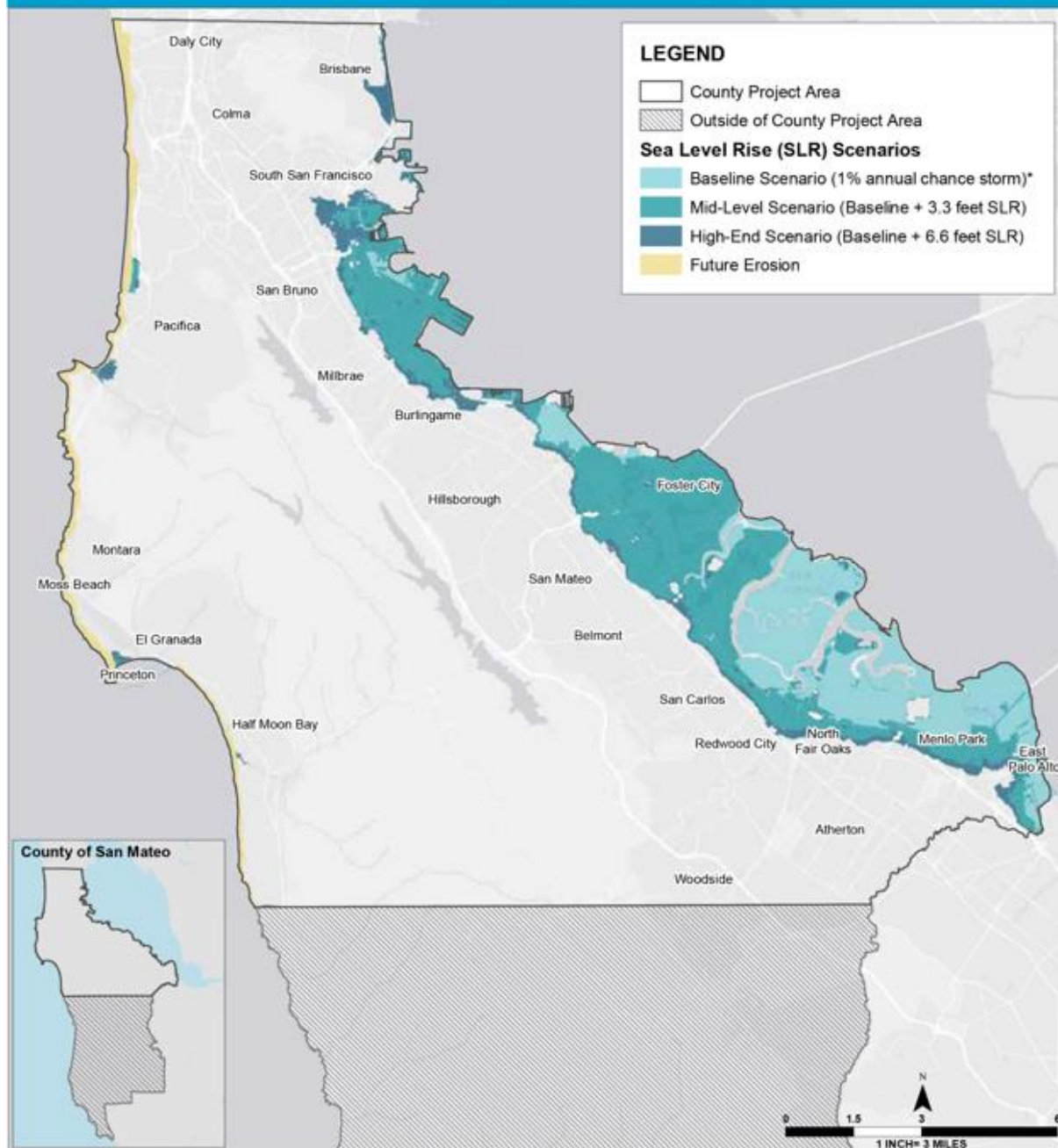
Where are the areas of shared risk for County infrastructure (water, sewer, storm drain), and where do the risks overlap with social vulnerabilities and opportunities for climate hazard mitigation and water supply resilience?

What resiliency project would community members support?

The Project will build on existing Countywide data, identify gaps, and make data more accessible and useful with a community-led process to extrapolate and visualize in a publicly available dashboard to maximize climate risk reduction with respect to community adaptive capacity and water infrastructure resilience. Expanding the use of local groundwater is one of the supply strategies envisioned by water agencies to meet projected increases in water demand, to diversify water sources, and to better prepare for times of drought. The Countywide Framework will also prioritize groundwater recharge and account for water supply risk reduction in analyses.

In a scenario with 6.6 feet of sea level rise and a 1% annual chance storm, the following assets would be inundated in the County:

- 7000** acres of wetlands (>80% of total wetland area)
- 183** hazardous materials sites (nearly 50%), including 4 Superfund sites
- 2** power plants and 19 electric substations
- 25** miles of rail (25%) and over 350 miles of local roads
- 45** schools (18%)
- 7** wastewater treatment plants (>75%)



Service Layer Credits: Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Figure 4. Assets inundated by SLR and storm scenario (Source: San Mateo County SLR VS, 2018).
This illustrates the need for a watershed approach to identify projects that store and infiltrate stormwater at higher elevations to avoid downstream flooding.

Although much of the county is under threat from water-related climate hazards identified above, the San Bruno Creek Watershed provides a useful area to apply the proposed OneWatershed Framework as a case study. One particularly impacted community is the Belle Air neighborhood in the lower reach of the San Bruno watershed occupied by 2,529 residents representing about 6% of total San Bruno population. The census tract is designated as disadvantaged (average Cal EnviroScreen 3.0 Percentile is 78%; within the top 25%) and low-income (median household incomes at or below 80% of the statewide median income). Figure 5 identifies other recorded vulnerability characteristics of the neighborhood. Belle Air experiences frequent flooding (Figure 6), particularly along a jurisdictional boundary, and currently lacks community-based organization (CBO) participation.

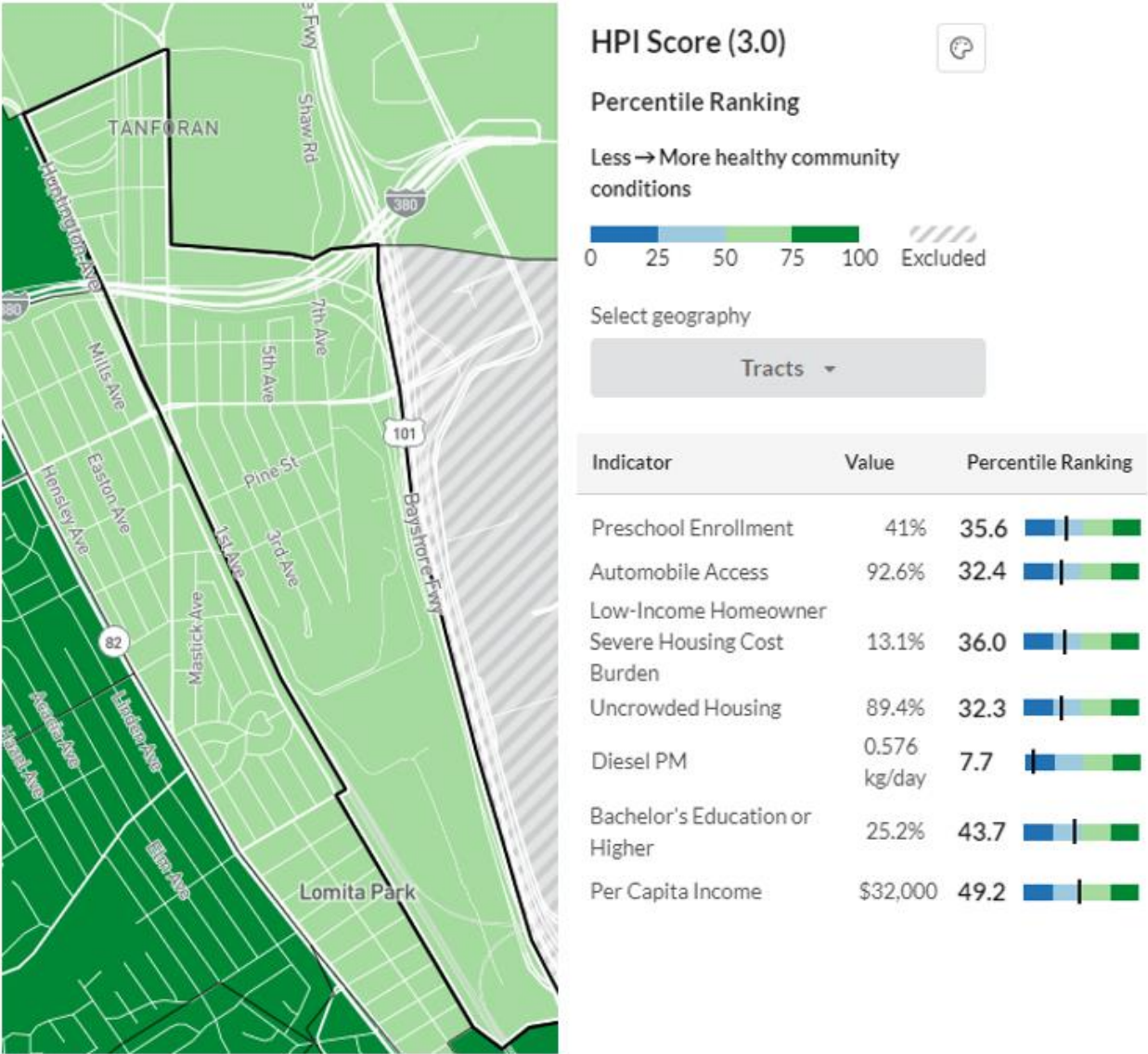


Figure 5. Vulnerability indicators for the Belle Air neighborhood of San Bruno
(Source: California Healthy Places Index)

San Bruno, South San Francisco, SFO, Caltrans, FEMA, and the former flood control district (now OneShoreline) have each worked on independent studies and project solutions within their respective jurisdictions near Belle Air. OneShoreline is seeking funding from the FEMA Flood Mitigation Assistance grant program for a regional, cross-jurisdictional project to address flooding and SLR impacts in Belle Air.

Our Project proposes creating a Climate Change Community (CCC) Team to function as a new CBO that can influence the direction of future projects, policies, and programs in the watershed, such as the potential future OneShoreline project or other planned or new opportunities identified in the OneWatershed Climate Resilience Plan. The CCC Team can also help provide enhanced vulnerability metrics for tracking improvements in resilience and adaptive capacity over time.

Project, policy update, or program opportunities will focus primarily on multi-benefit green stormwater infrastructure and nature-based solutions for their potential to address multiple climate hazards across assets and provide climate adaptation benefits. Figure 7 illustrates an example of green infrastructure project typologies located at various levels of a watershed.



Figure 6. Flooding at 7th and Walnut Ave 12.31.2022
(Source: OneShoreline)

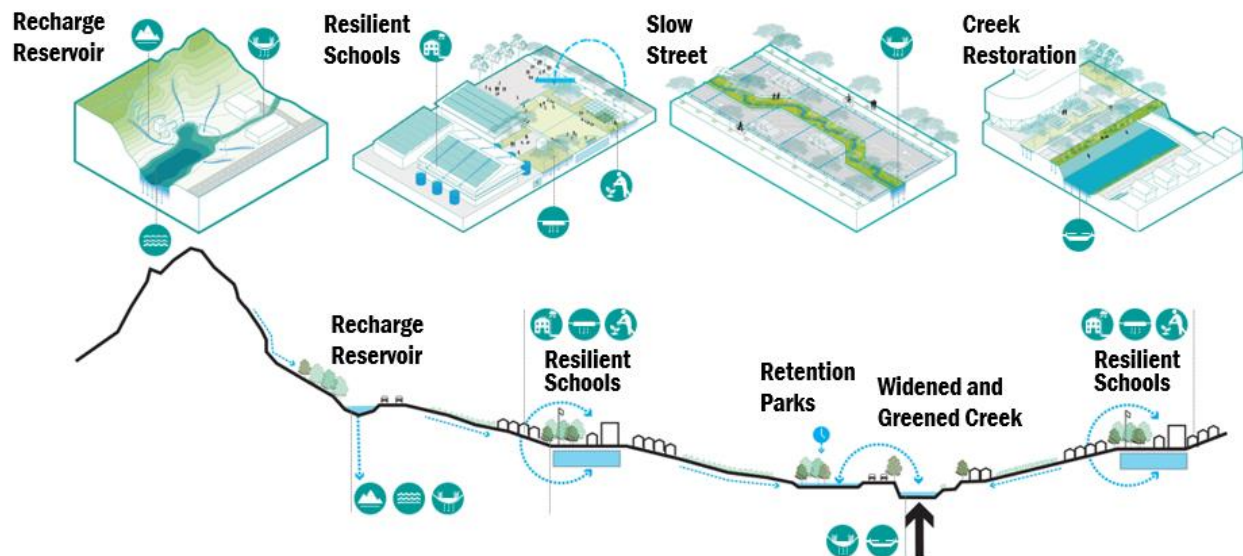


Figure 7. The Resilient by Design Challenge “Collect and Connect South City” conducted a watershed-scale analysis of the Colma Creek Watershed and identified green infrastructure opportunities at varying watershed elevations and benefits including water reuse, groundwater recharge, recreation, flood mitigation, water quality, and heat mitigation.

Co-Benefits

250 words

Describe how the proposed project will prioritize strategies and outcomes that provide climate change adaptation co-benefits (such as social equity, greenhouse gas mitigation, economic, and/or environmental co-benefits).

The proposed project will build on prior efforts led by C/CAG and Co-applicants to advance multi-scale multi-benefit green stormwater infrastructure including site scale, street scale, and regional-scale stormwater capture projects. Figure 9 presents selected co-benefits of regional-scale stormwater management.



Figure 9. Co-benefits of regional-scale green stormwater infrastructure
(Source: C/CAG, 2022)

Co-benefits of our asset inventory, framework, project/policy/program concept creation and intensive engagement process include:

- **Good government:** The project will provide tools for agencies and organizations to work collaboratively to restore watersheds for community and infrastructure resilience to climate change using equity-focused processes that are scalable and repeatable.
- **Equity and Community Capacity:** Using a risk-based framework will allow decision makers to prioritize the places where vulnerable communities and infrastructure risk coincide. This can lead to increased equity and capacity building and to reduced infrastructure risk in vulnerable and historically underserved communities.
- **Community and agency watershed literacy:** The project will use the watershed as the planning unit to communicate with residents and stakeholders about ecology, infrastructure, and climate change.
- **Economic efficiency:** Climate change requires that we do more with less. An integrated, multi-agency approach will help us to prioritize and work collaboratively to solve multiple problems with the same projects using pooled funding from all agencies involved.

- **Working with Nature:** By using nature-based solutions that rely on plants and soils, we will enhance local habitat quality, quantity and connectivity and create solutions that can be self-sustaining and require less human intervention in the long term.

Figures 10 and 11 highlight additional co-benefits of green stormwater infrastructure projects.



Figure 10. Co-benefits of street-scale green infrastructure. In addition to benefits above, streets can offer flood mitigation opportunities such as adjacent floodable spaces or under-street runoff storage. (Source: The Nature Conservancy in Washington, 2022)



Figure 11. This street transformation in Menlo Park, San Mateo County, demonstrates how planned infrastructure projects such as adding a sidewalk, repaving, or replacing pipe represent opportunities to add green infrastructure/flood mitigation. The OneWatershed framework can identify such opportunities for layering benefits and reducing agency/community shared-risk.

(Source: C/CAG, 2023)

Community Partnership

500 words

Describe the partnership structure, including roles, responsibilities, and why this specific group of organizations is well suited to carry out the proposed planning activities of the proposed project. Include details on previous history working together if applicable; if this is an emerging partnership, share what aspects of this new partnership will set the group up for success.

The Project Team consists of multiple agencies and organizations that have worked together on past initiatives (Figure 12).

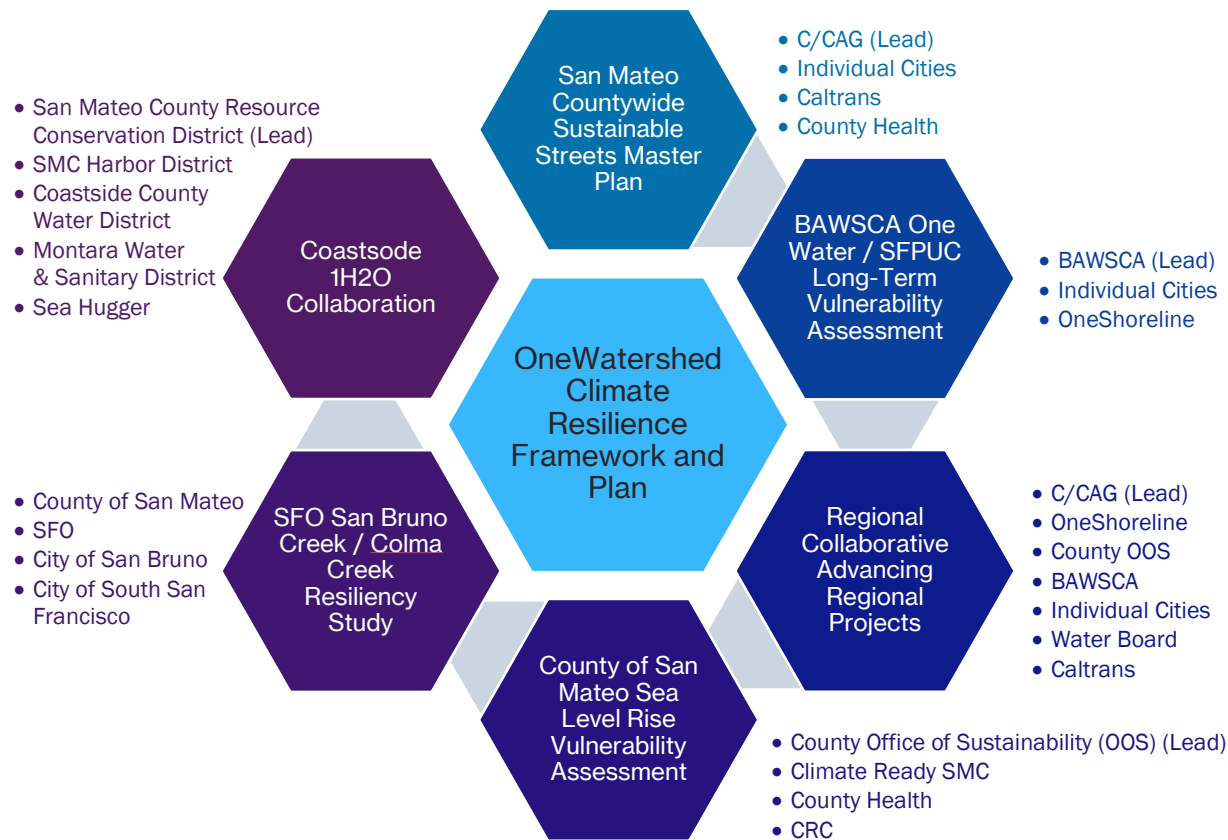


Figure 12. Past efforts that the proposed project will learn from and where County agencies and organizations have developed past partnerships.

Figure 13 illustrates the proposed structure for Project partnerships.



Figure 13. Engagement will occur at multiple levels, including a Technical Advisory Committee (TAC) and Equity Priority Community Group for the Countywide and San Bruno-specific efforts.

The co-applicants have been heavily engaged and formative in the development of this grant proposal and have expressed strong commitments to project implementation if funded. As demonstrated in Figure 12, the Project builds on years of multi-agency collaboration and prior planning efforts, each of which has supported a range of climate adaptation goals and efforts to increase climate change resiliency. Several prior projects were funded with state and federal climate adaptation and resilience funds. The Project will support progress toward relevant state climate adaptation goals and initiatives including, but not limited to:

- California's Climate Adaptation Strategy
 - Strengthen protections for vulnerable communities,
 - Accelerate nature-based climate change solutions,
 - Make decisions based on best available climate science, and
 - Partner and collaborate to leverage resources.
- Protecting Californians from Extreme Heat Action Plan
 - Using nature-based solutions, and
 - Increasing resilience to the built environment.
- California Water Supply Strategy
 - Increasing water supply storage;
 - Increasing water supplies through stormwater capture, recycled water, and groundwater recharge; and
 - Overcoming institutional barriers to integrated water planning.

The proposed Project will take these efforts and agencies to the next level of increased cross – sector integration and coordination in San Mateo County, drawing on institutional capacity and momentum from prior efforts, with a new focus on shared-risk and community vulnerability.

C/CAG has worked with every Project Team participant on prior projects and will continue leading the way towards OneWatershed project implementation with a focus on multi-benefit stormwater projects that integrate resources from and benefits to water supply, surface drainage, and sewer collection and treatment systems. As an example, C/CAG staff and members from CRC formed an initial partnership on a Prop 68 Coastal Conservancy Climate Adaptation Grant in which CRC is leading a community-based stormwater modeling and climate resiliency study supported by residential rain garden and rain barrel installations, workforce development and technical resources provided in East Palo Alto and Belle Haven neighborhoods.

The Project Team will meet monthly in the early stage of the project to provide data and participate in creating the Countywide OneWatershed infrastructure database and project opportunity framework. Participants in an Equity Priority Community Group will review the framework at a Countywide level. The goal is to have a collaborative community-centered approach throughout the entire project.

As the framework is applied in the San Bruno Watershed area, C/CAG, the TAC, and the consultant team will draw on prior experience with community-led design. CRC will model the CCC team design from its work in East Palo Alto and Colma Creek communities, where the CCC teams formulate and express community preferences and priorities regarding climate adaptation planning and implementation. Once established, the CCC team can assist with deeper community engagement and leadership capacity and become a durable piece of community organizational infrastructure.

Workplan and Budget

250 words

Provide a high-level budget justification that summarizes the overall project costs. Explain how the requested budget is aligned with the proposed Work Plan and reflects the overall project objectives and program goals. Applicants may choose to organize the budget items under the eligible cost categories for the APGP.

The Project includes approximately 5% of the budget for administration and an end of project evaluation and Summary Fact Sheet highlighting next steps and funding opportunities. The remaining proposed budget is split almost evenly between engagement activities (50% of total budget) and technical tool and resources development (45% of total budget), reflecting a full commitment to community-led and participatory planning. The Project will provide useful tools and resources for advancing climate adaptation work at a countywide scale and a demonstration of applying newly developed tools in a priority watershed. The Project also proposes building from prior efforts and enhancing existing tools that align with other local agency needs (i.e., improving C/CAG's GI Tracking Tool). Figure 14 shows engagement activities in shades of purple and technical tools and resources development) in shades of green.

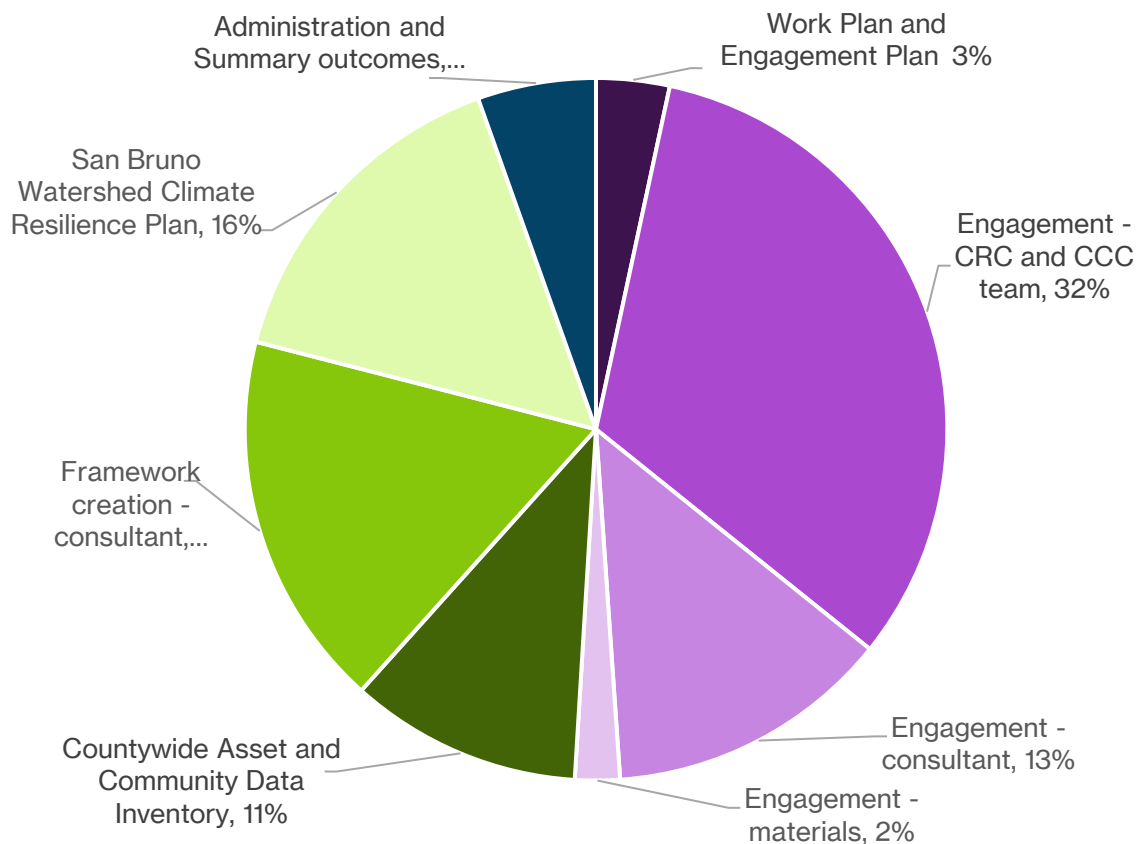


Figure 14. Project budget distribution, with engagement in purple, technical tasks in green, and administration/project evaluation in dark blue.

The robust engagement approach includes compensation for the CBO partner CRC and for members of the CCC Team CRC will help form in the Belle Air neighborhood of San Bruno. Payment for active and qualified participation in community workshops and focus groups will allow participants with limited financial flexibility to be available for meetings. The engagement materials budget includes costs for food and printed materials for in-person meetings or workshops. CRC will begin with an organic process of meeting prospective CCC team members over coffee prior to bringing the team together and holding monthly meetings. An investment in the CCC Team can enable the group to serve as lasting "community infrastructure" whose input and engagement on the project will build their capacity to advocate for their community and engage in other governmental processes.

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Exhibit B
Project Work Plan

Work Plan						
	Proposal Name:	San Mateo County OneWatershed Climate Resilience Framework and Community-led Plan				
	Lead Applicant:	City/County Association of Governments of San Mateo County				
	Project Description: (500 character limit)	The Project Team will develop 1) a Countywide OneWatershed shared-risk water infrastructure asset and community vulnerability data inventory, 2) a OneWatershed Framework considering infrastructure, climate hazards, and community vulnerability criteria for prioritizing projects, then apply the framework to the San Bruno Creek watershed and co-create 3) a OneWatershed Climate Resilience Plan (Plan) including 1-3 project, policy update, or program opportunities.				
	Task 1: Work Plan and Initial Countywide Partner and Community Engagement					
Subtask Number	Subtask	Description <i>Include detail of activities or deliverables</i>	Deliverables / Milestones <i>Major outcomes and/or metrics used to demonstrate success</i>	Timeline <i>No later than January 31, 2026</i>	Partners Involved <i>If the partners are not identified include future plans to engage</i>	APGP Eligible Activities Addressed
1.1	Draft Work Plan and Engagement Plan	Working group of core project partners to develop a draft Work Plan and Engagement Plan.	Draft Work Plan, Draft Engagement Plan	November 2023-December 2023	Project Team (C/CAG, consultant team, and co-applicants). CRC to lead Engagement Plan.	Phase 1
1.2	Equity Priority Community Group formation	Form a Countywide Equity Priority Community (EPC) group, including community-based organizations from around the County, interested County residents, and a San Bruno climate change community (CCC) team (motivated residents of San Bruno's Belle Air neighborhood, leaders in faith/business, and local community-based orgs). Kick off data collection. Have an EPC group kickoff, visioning to identify goals, and review/comment on the draft project Work Plan and Engagement Plan. Specific sequencing and agenda to be identified during Engagement Plan development. Scope for subsequent EPC group workshops is included below and workshops will be spaced at 3-6 months apart.	Establishment of EPC group, charter, and contact list, Establishment of CCC team and contact list, Comment Log tracking EPC group review of Work Plan / Engagement Plan	December 2023 - March 2024	Project Team and EPC group members	Phase 1
1.3	Technical Advisory Committee formation	Form technical advisory committee (TAC) made up of county agencies, regional partners, and other interested parties with technical knowledge of climate resilience, water, and/or emergency planning. Kick off data collection. TAC to review/comment on Work Plan and Engagement Plan. Scope for subsequent EPC group workshops is included below and workshops will be spaced at 3-6 months apart. Specific sequencing and agenda to be identified during Engagement plan development. Scope for subsequent TAC workshops is included below and workshops will be spaced at 3-6 months apart.	Establishment of TAC, TAC charter, and contact list, Comment Log tracking TAC review of Work Plan	December 2023 - January 2024	Project Team and TAC members	Phase 1
1.4	Establish Climate Change Community Team	CRC to lead engagement and hold up to 12 one on one (or small) informal meetings with members of the San Bruno watershed community interested in joining the climate change community (CCC) team. Evaluate relevant experience and capability of participating meaningfully in CCC team.	Meeting agendas and notes	December 2023 - May 2024	CRC and CCC team	Phase 1
	Task 2: Countywide OneWatershed Asset and Community Data Inventory Creation					
Subtask Number	Subtask	Description <i>Include detail of activities or deliverables</i>	Deliverables / Milestones <i>Major outcomes and/or metrics used to demonstrate success</i>	Timeline <i>No later than January 31, 2026</i>	Partners Involved <i>If the partners are not identified include future plans to engage</i>	APGP Eligible Activities Addressed
2.1	Data collection and gap analysis	Identify and gather existing datasets relevant to identified OneWatershed climate hazards and vulnerabilities at Countywide and San Bruno Creek Subwatershed scales from the TAC, EPC group, and other agencies as needed. Create a list of data gaps that need to be filled, and discuss data quality issues with data providers.	Data List (including file names, description, source, and contact info for questions)	December 2023 - February 2023	Project Team	Phase 2

2.2	Inventory development	Develop a Countywide geospatial database inventory of baseline water infrastructure assets (stormwater, water, wastewater, sewer, along with potentially utilities, and transportation), geological/hydrological/water/land use characteristics, relevant climate hazards, and community vulnerability factors.	Geodatabase in ESRI ArcGIS, Inventory slidedoc	March 2024 - June 2024	Project Team	Phase 2
2.3	Vulnerability and risk assessment materials review workshops	Hold 2 virtual workshops with TAC and 2 virtual workshops with EPC group to review data collection, inventory creation, and approach to vulnerability/risk analysis at countywide scale. Develop OneWatershed Framework Approach Memo. Specific sequencing and agendas to be identified during Engagement Plan development.	Workshop agendas, presentations, notes, and recordings; OneWatershed Framework Approach Memo; Comment logs with feedback on database and vulnerability/risk analysis/criteria selection and OneWatershed Framework Approach Memo.	March 2024 - June 2024	Project Team, TAC members, and EPC group	Phase 2
	Task 3: Countywide OneWatershed Climate Resilience Framework Creation					
Subtask Number	Subtask	Description <i>Include detail of activities or deliverables</i>	Deliverables / Milestones <i>Major outcomes and/or metrics used to demonstrate success</i>	Timeline <i>No later than January 31, 2026</i>	Partners Involved <i>If the partners are not identified include future plans to engage</i>	APGP Eligible Activities Addressed
3.1	OneWatershed Infrastructure shared-risk and community vulnerability analysis	Identify, prioritize, and quantify risk values for impacts to "OneWatershed" infrastructure assets and communities from identified climate hazards and community vulnerabilities data. Create GIS maps from analyses showing areas of shared-risk from relevant climate hazards and areas of greatest need and opportunity for OneWatershed multi-benefit stormwater projects.	Spreadsheet tool to evaluate asset risk; Individual GIS maps (and/or storymaps) to illustrate community gathered data, areas of high overlapping asset risk and key areas for project opportunities	July 2024 - November 2024	Project Team, TAC members, and EPC group	Phase 2
3.2	OneWatershed Framework creation and review workshops	Develop OneWatershed Framework with outputs from shared-risk and community vulnerability analysis. Hold 2 workshops with TAC and with EPC group to present and get feedback on the analysis, draft framework, and development of OneWatershed visualization dashboard under Subtask 3.3. Specific sequencing and agendas to be identified during engagement plan development.	Draft/Final OneWatershed Framework slide doc; TAC and EPC workshop agendas, presentations, notes, and recordings; Comment logs with feedback on framework / dashboard mockup	November 2024 - July 2025	Project Team, TAC members, and EPC group	Phase 3
3.3	OneWatershed dashboard/visualization tools	Building on C/CAG's existing Green Infrastructure Mapping and Tracking Tool, and leveraging planned work under C/CAG's stormwater program related to asset management, create new data forms and visualization dashboard features to display OneWatershed data inventory, shared risk layers and prioritized OneWatershed project opportunities.	OneWatershed Dashboard Memo; new data forms and dashboard features for visualizing ranked project opportunities, building on C/CAG's existing tools; Slidedoc user guide	November 2024 - November 2025	Project Team, TAC members, and EPC group	Phase 3
	Task 4: San Bruno Creek OneWatershed Climate Resilience Plan					
Subtask Number	Subtask	Description <i>Include detail of activities or deliverables</i>	Deliverables / Milestones <i>Major outcomes and/or metrics used to demonstrate success</i>	Timeline <i>No later than January 31, 2026</i>	Partners Involved <i>If the partners are not identified include future plans to engage</i>	APGP Eligible Activities Addressed
4.1	Adaptive capacity evaluation and hydraulic and hydrologic modeling coordination/integration	CRC and Project Team to use CRC's Community Vulnerability Assessment (CVA) methodology to evaluate the San Bruno Belle Air neighborhood adaptive capacity. Coordinate with parallel hydraulic and hydrologic modeling efforts of vulnerable areas planned by OneShoreline.	Adaptive Capacity Evaluation Results writeup or presentation; Hydraulic/hydrologic model integration summary	April 2024 - July 2024	Project Team and CCC team	Phase 2
4.2	Apply OneWatershed Framework to San Bruno Creek Watershed	Apply framework to the San Bruno Creek Watershed and leverage community data from San Bruno Creek watershed area (including CVA above) to allow for communication during engagement workshops.	San Bruno Creek OneWatershed prioritization tool spreadsheet outputs, GIS maps showing San Bruno Creek risks/vulnerabilities and prioritized OneWatershed project opportunities; Slidedoc showing outputs (.pptx)	July 2024 - November 2024	Project Team and CCC team	Phase 3

4.3	Project opportunity/policy/program developments	Using past relevant planning work from project partners as a base, identify and develop proposed project/ policy/program opportunities using the prioritization framework for risk reduction along with data, input from community focus groups, and outputs from prior C/CAG multi-benefit green infrastructure planning efforts.	Storymap(s) showing prioritized OneWatershed project opportunities in San Bruno Creek Watershed and proposed policy/program updates	October 2024 - December 2024	Project Team and CCC team	Phase 3
4.4	San Bruno Creek OneWatershed Climate Resilience Plan preparation	Prepare San Bruno Creek OneWatershed Climate Resilience Plan, coinciding with CCC Team meetings and Community Workshops	Draft and Final Plan	January 2025 - August 2025	Project Team and CCC team	Phase 4
4.5	Conceptual Design for one OneWatershed Project	Create a project concept, fact sheet, and rendering of a multi-benefit green stormwater infrastructure project (OneWatershed project) selected using the risk reduction prioritization framework.	Draft/Final OneWatershed Pilot Project Concept Design	May 2025 - August 2025	Project Team and CCC team	Phase 4
4.6	CCC Team Meetings	Hold up to 20 monthly CCC team meetings throughout customization of the Framework to the San Bruno Watershed and creation of the San Bruno OneWatershed Climate Resilience Plan. Involve agencies and/or EPC group in selected focus groups.	Meeting agendas, presentations, notes, and recordings; Comment logs with work product feedback for some meetings.	February 2024 - August 2025	Project Team, CCC team, TAC members, EPC group	Phase 3
4.7	Community workshops and survey	Hold 3-6 interactive workshops (preferably with monolingual community appropriate language sessions) with community members and EPC group led by CCC team to guide application of the watershed framework and development of the San Bruno OneWatershed Climate Resilience Plan	Workshop agendas, notes, and recordings; survey results	March 2025 - August 2025	Project Team, CCC team, EPC group, and community members (public)	Phase 3
	Task 5: Administration and Follow up					
Subtask Number	Subtask	Description <i>Include detail of activities or deliverables</i>	Deliverables / Milestones <i>Major outcomes and/or metrics used to demonstrate success</i>	Timeline <i>No later than January 31, 2026</i>	Partners Involved <i>If the partners are not identified include future plans to engage</i>	APGP Eligible Activities Addressed
5.1	Implementation Grant Application Support	Develop grant application under the NOAA Climate Resilience Regional Challenge Program to support implementation of OneWatershed projects in San Mateo County, focusing on priority projects in various stages of development from C/CAG's prior Green Infrastructure planning and newly identified project concept from the OneWatershed San Bruno Creek Watershed Climate Resilience Plan	Draft/Final grant application materials	November 2023 -February 2024	Project Team	Phase 1
5.2	Project management / administration	Support all grant reporting and documentation requirements, provide monthly invoices, Project Team kickoff and hour-long monthly check-in meetings (virtual).	Progress reports, invoicing, reimbursement request forms, and meeting agendas and summaries via email.	November 2023 - September 2025	Project Team	Program Administration

Budget										
Proposal Name:	San Mateo County OneWatershed Climate Resilience Framework and Community-led Plan									
Lead Applicant:	City/County Association of Governments of San Mateo County									
Cap/Threshold Summary Table	Direct Costs	Indirect Costs								
Cap/Threshold	80-100%	0-20%								
Calculated	100.0%	0.0%								
Total	\$ 649,648.21	\$ -								
Cost Description	Cost Type	Cost per unit (Examples: Hourly rates, fees, etc.)	Number of Units (Example: Hours worked, fee cost, etc.)	Total APGP Funds	Task 1: Work Plan and Initial Countywide Partner and Community Engagement	Task 2: Countywide OneWatershed Asset and Community Data Inventory Creation	Task 3: Countywide OneWatershed Climate Resilience Framework Creation	Task 4: San Bruno OneWatershed Climate Resilience Plan	Task 5: Administration and Follow up	Total APGP Funds [Cross Check]
Consultant Engagement activities , including agendas, presentations and minutes Task 1: TAC, EPG group, and CCC team formation Task 2: Data collection and Inventory review workshops with TAC and EPC group (CCC team in EPC group) Task 3: 2 workshops with TAC and 2 with EPC group (CCC team in EPC group), and event attendance to survey community Task 4: Up to 20 Meetings and focus groups with CCC Team, 3-6 interactive community workshops (note - Other Direct Costs included in CCC Team engagement activities below)	Subcontractor Staff Costs	\$ 173.50	463	\$ 80,362.08	\$ 10,757.00	\$ 12,145.00	\$ 22,066.08	\$ 35,394.00	\$ -	\$ 80,362.08
CRC Executive Director	Co-Applicant / Partner Staff Costs	\$ 125.00	243	\$ 30,375.00	\$ 11,500.00	\$ 2,000.00	\$ 5,000.00	\$ 11,875.00	\$ -	\$ 30,375.00
CRC Outreach Coordinator	Co-Applicant / Partner Staff Costs	\$ 55.00	1,020	\$ 56,100.00	\$ 7,700.00	\$ 2,200.00	\$ 7,700.00	\$ 38,500.00	\$ -	\$ 56,100.00
CRC Program Manager	Co-Applicant / Partner Staff Costs	\$ 85.00	545	\$ 46,325.00	\$ 6,290.00	\$ 1,785.00	\$ 6,800.00	\$ 31,450.00	\$ -	\$ 46,325.00
CCC Team engagement activities and community member compensation: Task 1: participation in EPC group kickoff Task 2: EPC group workshops Task 3: EPC group workshops Task 4: Up to 20 monthly meetings and focus group sessions and leading (together with CRC) 3-6 community workshops	Engagement, Outreach, Education, and Training	\$ 92,600.00	1	\$ 92,600.00	\$ 1,600.00	\$ 1,600.00	\$ 2,400.00	\$ 87,000.00	\$ -	\$ 92,600.00
Data analysis and framework activities: Task 2: Data collection and gap analysis and inventory development Task 3: Infrastructure risk and community vulnerability analysis, OneWatershed approach memo Task 4: Adaptive capacity evaluation/write up and modeling summary; apply framework to San Bruno watershed	Subcontractor Staff Costs	\$ 173.50	708	\$ 122,885.19	\$ -	\$ 58,990.00	\$ 52,665.06	\$ 11,230.13	\$ -	\$ 122,885.19
Project Deliverables: Task 1: - Work Plan and Engagement Plan Task 2: Data List, Geodatabase, Inventory Slidedoc Task 3: Spreadsheet asset-risk tool, GIS maps, OneWatershed framework Slidedoc/ GI Tracking Tool dashboard updates/memo, Slidedoc user guide Task 4: Adaptive capacity writeup, San Bruno watershed maps and results presentation, Storymaps with project /policy/program opportunities, Draft and Final San Bruno Plan, development of 1 Project concept	Subcontractor Staff Costs	\$ 173.50	848	\$ 147,206.94	\$ 6,940.00	\$ 10,410.00	\$ 65,109.87	\$ 64,747.08	\$ -	\$ 147,206.94

Engagement Materials (Fliers, translation and interpretation services) for Task 1: kickoff meetings for TAC and EPC group and food for CCC team one-on-one meetings Task 2: Data collection and inventory creation workshop materials and food Task 3: Vulnerability analysis and Framework workshop materials and food, printing/materials/survey creation for pop up events Task 4: Printing and food for CCC team meetings/focus groups and community workshops. Translator fees for workshops.	Engagement, Outreach, Education, and Training	\$ 13,400.00	1	\$ 13,400.00	\$ 2,450.00	\$ 400.00	\$ 5,450.00	\$ 5,100.00	\$ -	\$ 13,400.00
Project Administration and Follow up: Task 5: Day to day project management, monthly Project Team meetings, and invoicing/progress reports; Develop draft/final implementation grant materials	Subcontractor Staff Costs	\$ 173.50	348	\$ 60,394.00	\$ -	\$ -	\$ -	\$ -	\$ 60,394.00	\$ 60,394.00
Totals				\$ 649,648.21	\$ 47,237.00	\$ 89,530.00	\$ 167,191.00	\$ 285,296.21	\$ 60,394.00	\$ 649,648.00