

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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MEETING AGENDA **San Mateo Countywide Water Coordination** **(SMCWCC) Committee**

Date: Wednesday, May 17, 2017
7:30 a.m. to 9:00 a.m.
Place: San Mateo City Hall
Conference Room C (across from Council Chamber)
330 West 20th Avenue
San Mateo, CA

PLEASE CALL Sandy Wong (599-1409) IF YOU ARE UNABLE TO ATTEND

- | | | | |
|-----|---|-------------------------------------|-------------|
| 1. | Public comment on items not on the agenda | Presentations are limited to 3 mins | |
| 2. | Nominations and elections of committee Chair and Vice Chair | Action (Wong) | Pages 1 |
| 3. | Receive committee background information | Information (Wong) | Pages 2 - 4 |
| 4. | Receive a presentation from the Countywide Water Pollution Prevention Program | Presentation (Fabry) | Pages 5 - 6 |
| 5. | Receive a presentation on Sea Level Rise Vulnerability Assessment and related efforts | Action (Papendick) | Page 7 - 10 |
| 6. | Receive a presentation on County of San Mateo flood control projects | Presentation (Powell) | Page 11 |
| 7. | Discussion on future topics | Action (Chair) | Page 12 |
| 8. | Adoption of committee meeting calendar for 2017 | Action (Wong) | Page 13 |
| 9. | Member comments and announcements | Information | |
| 10. | Adjournment | Action | |

NOTE: All items appearing on the agenda are subject to action by the Committee. Actions recommended by staff are subject to change by the Committee.

NOTE: Persons with disabilities who require auxiliary aids or services in attending and participating in this meeting should contact Mima Guilles at 650 599-1406, five working days prior to the meeting date.

C/CAG AGENDA REPORT

Date: May 17, 2017
To: San Mateo Countywide Water Coordination Committee
From: Sandy Wong, Executive Director
Subject: Nominations and Elections of Committee Chair and Vice Chair
(For further information or questions contact Sandy Wong at 599-1409)

RECOMMENDATION

That the Committee nominate and elect a Chair and a Vice Chair to serve for one year.

FISCAL IMPACT

None.

SOURCE OF FUNDS

Not applicable

BACKGROUND

Staff recommends the nomination and election of a Committee Chair, and the nomination and election of a Committee Vice Chair to lead the Committee for one year.

ATTACHMENT

None.

C/CAG STAFF REPORT

Date: May 17, 2017
To: San Mateo Countywide Water Coordination Committee
From: Sandy Wong, Executive Director of C/CAG
Subject: Receive committee background information

Recommendation:

That the San Mateo Countywide Water Coordination Committee (SMCWCC) receive background information regarding the committee.

Fiscal Impact:

None.

Background:

In San Mateo County, there are a number of agencies, organizations, and jurisdictions involve in water related issues, while many of those issues are interrelated to varying degrees. San Mateo County elected officials identified the need and opportunities to increase coordination, communication, and collaboration with respect to water-related initiatives in order to improve efficiency and maximize funding opportunities, including seeking Federal and State grants.

In the summer of 2015, C/CAG sponsored an Ad Hoc committee with volunteer elected officials representing town/city councils and the Board of Supervisors to address this issue. Further, from December 2015 through September 2016, C/CAG sponsored a sub-committee, the C/CAG Water Committee with 10 volunteer elected official from throughout the county, as well as several agency executive managers, to:

Serve as a forum for countywide discussion regarding water related issues and to advise the C/CAG Board regarding countywide collaboration strategies relative to water issues, including potential recommendation on the creation of a new agency, or modification of an existing agency to accomplish such collaboration as well as potential funding options. Water related issues may include, but are not limited to: stormwater pollution control, flood control, and sea level rise.

Upon nine months of collaboration, the C/CAG Water Committee established the following consensus regarding further collaboration and focus on priority topics:

Guiding Principles:

1. Financially feasible and equitable
2. Effective use of resources that add value
3. Fair, balanced regional representation
4. Results and action oriented
5. Long-term perspective

Priority water-related topics:

- Stormwater
- Sea level rise planning (may include coastal erosion)
- Flood control

With regard to organizational/governance options to improve coordination, communication and collaboration, the committee reviewed a number of model organizations from around the Bay Area and discussed pros/cons and applicability to San Mateo County. They considered a wide range of governance options, ranging from “Do nothing” to “Create a new organization”. Upon deliberation the committee made its decision and recommended the C/CAG Board which was approved the following to continue the discussion and build upon the results from previous discussions:

Framework for a *San Mateo Countywide Water Coordination Committee*:

The coordinating agency would be a new, ongoing *San Mateo Countywide Water Coordination Committee* established as formal committee of C/CAG. The *San Mateo Countywide Water Coordination Committee* would be a first step toward greater levels of countywide collaboration and decision making.

1) Core Scope and function:

Scope:

- Stormwater
- Flood control
- Sea level rise planning (including coastal erosion)

Functions:

1. Coordination
2. Communication
3. Collaboration

The *San Mateo Countywide Water Coordination Committee* would promote and increase cross-jurisdictional communication, provide leadership, develop partnerships, and reduce redundancy between current and future efforts related to stormwater, flood control, and sea level rise. However, each of the cities and the county will continue to manage, and retain all decision making authority for their respective projects and initiatives. The overarching objective is to protect infrastructures, assets, and the environment; improve safety; secure broad public support for programs/projects; and meet regulatory mandates.

2) Roles and Responsibilities:

1. Provide a forum for members to share information and conduct joint outreach, education and stakeholder engagement efforts.
2. Compile and disseminate information on funding opportunities.
3. Advocate for/seek out, and help members to advocate for/seek out, federal, state, regional, and private funds.

C/CAG AGENDA REPORT

Date: May 17, 2017
To: San Mateo Countywide Water Coordination Committee
From: Matthew Fabry, Program Manager
Subject: Receive a presentation from the Countywide Water Pollution Prevention Program

(For further information or questions contact Matthew Fabry at 650 599-1419)

RECOMMENDATION

Receive presentation from the Countywide Water Pollution Prevention Program.

BACKGROUND

C/CAG administers the Countywide Water Pollution Prevention Program (Countywide Program), which supports C/CAG's member agencies in complying with requirements to reduce pollution in stormwater runoff contained in the Municipal Regional Permit (MRP) issued by the San Francisco Bay Regional Water Quality Control Board. The Countywide Program supports C/CAG member agencies in three primary ways:

- Providing technical support to agencies for implementing their own local stormwater management programs;
- Implementing compliance programs directly on behalf of member agencies where it makes sense to be performed a countywide level, such as water quality monitoring and public education and outreach; and,
- Collaborating on compliance programs with other countywide stormwater programs when it makes more sense to implement requirements at the regional level. This is done through the Bay Area Stormwater Management Agencies Association, or BASMAA.

The Countywide Program has been in existence since the early 1990s when municipal stormwater regulations were first promulgated. The Countywide Program is funded through a combination of property-related fees on the county's property tax roll and a portion of local vehicle license fees designated for congestion management and stormwater pollution prevention programs. The Countywide Program is administered by two full-time staff and numerous technical consultants.

DISCUSSION

The Countywide Program is implementing a variety of efforts that are directly related to the Water Coordinating Committee's subject areas of stormwater, flooding, and sea level rise. The three primary areas that are most relevant to the Water Coordinating Committee's

charge are: green infrastructure planning and implementation, stormwater resource planning, and countywide modeling and compliance assurance programs. Each are briefly discussed in the following paragraphs:

Green Infrastructure Planning and Implementation

The MRP requires all permittees to develop Green Infrastructure Plans that show how agencies will gradually transform their drainage systems from traditional “grey” infrastructure (flood-control based systems that manage stormwater as a waste) to “green” infrastructure, or more sustainable systems that capture, infiltrate, and treat stormwater using landscape-based systems that more closely resemble natural watershed processes and manage stormwater as a resource. These plans must also collectively show that sufficient green infrastructure will be implemented to achieve specific numeric reductions in mercury and PCBs (polychlorinated biphenyls) within certain time periods. This includes green infrastructure implemented as part of new and redevelopment projects as has been mandated under the MRP since 2005, as well as projects in the public realm, such as regional stormwater retention systems or green streets that treat runoff from public rights-of-way. The Countywide Program is implementing numerous efforts to support C/CAG member agencies in developing their Green Infrastructure Plans.

Stormwater Resource Planning

State law now requires that any stormwater capture projects receiving state voter-approved bond funds must be identified in a Stormwater Resource Plan. As such, the Countywide Program took the lead to develop a countywide Stormwater Resource Plan to ensure C/CAG’s member agencies would continue to be eligible to compete for state grant programs for stormwater capture projects. The Stormwater Resource Plan identifies and prioritizes stormwater capture opportunities throughout the County in three categories: regional stormwater retention, green streets, and onsite, parcel-based stormwater capture. The final Stormwater Resource Plan was approved by the C/CAG Board in February 2017.

Countywide Modeling and Compliance Assurance Programs

As detailed above under Green Infrastructure Planning, permittees are required to demonstrate that implementation of Green Infrastructure Plans will achieve specific reductions by certain timeframes of mercury and PCBs. This requires detailed hydrologic and pollutant transport modeling, which the Countywide Program is doing for C/CAG member agencies. To date, the Countywide Program’s consultants created a calibrated countywide hydrology model, developed projections for how much green infrastructure will be installed as a result of new and redevelopment through 2040, and are starting to model implementation scenarios to show how much green infrastructure is needed in which geographic areas to meet the permit-mandated pollutant load reductions.

Overall, these three efforts are relevant to flooding and sea level rise in that implementation of stormwater capture, infiltration, and treatment to meet water quality goals will have direct benefits on reducing runoff to creeks which will help mitigate flooding and help alleviate challenges of getting flows out of the watersheds under rising sea level scenarios. Staff will present greater detail on these three efforts to the Committee members.

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: May 17, 2017
To: San Mateo Countywide Water Coordination Committee
From: Sandy Wong
Subject: Receive a presentation on Sea Level Rise Vulnerability Assessment and related efforts

(For further information or questions contact Sandy Wong at 599-1409)

RECOMMENDATION

It is recommended the committee receive a presentation on Sea Level Rise Vulnerability Assessment and related efforts from the Program Manager of the San Mateo County, Office of Sustainability.

Please see attached County memo for further information.

ATTACHMENTS

Memo to the Board of Supervisors on Draft Sea Level Rise Vulnerability Assessment



COUNTY OF SAN MATEO
Inter-Departmental Correspondence
Office of Sustainability



Date: March 21, 2017
Board Meeting Date: April 11, 2017
Special Notice / Hearing: None
Vote Required: Majority

To: Honorable Board of Supervisors
From: Jim Eggemeyer, Director, Office of Sustainability
Subject: Draft Sea Level Rise Vulnerability Assessment

RECOMMENDATION:

Accept this informational report regarding the County's Sea Change SMC Program and Draft Sea Level Rise Vulnerability Assessment, prepared by the Office of Sustainability.

BACKGROUND:

San Mateo County is especially vulnerable to sea level rise due to the County's unique location between the San Francisco Bay and the Pacific Coast. The County has over 100,000 people, seven of the County's nine wastewater treatment plants, and nearly 400 miles of roads at risk from 3 feet of sea level rise. If no action is taken to prepare, sea level rise could have widespread, cross-cutting, and cascading impacts on the County's critical infrastructure, habitats, transportation, health, and economy. Sea levels have already risen by about 8 inches in the San Francisco Bay since the 1900s, as measured at the San Francisco tide gauge, and are expected to rise by 5 inches to 2 feet by 2050 and 1.4 to 5.5 feet by 2100.

The Office of Sustainability has released a Draft Sea Level Rise Vulnerability Assessment (Assessment) for public review. The Assessment, funded through a grant from the California State Coastal Conservancy, analyzes how flooding and erosion due to sea level rise could affect San Mateo County. The study area includes the entire Bayshore and coast north of Half Moon Bay. The project started in June 2015 and will be completed by summer 2017. The Assessment is part of the first phase of the County's Sea Change SMC Initiative. The second part of the first phase will be the South Coast vulnerability assessment.

DISCUSSION:

Stakeholder and City Engagement: Public and stakeholder engagement has been a key tenant of the project, and County staff provided multiple opportunities for input throughout the process. County staff worked closely with cities and other stakeholders through individual meetings and through two advisory groups: a Technical Working Group and a Policy Advisory Committee. Community members provided input through a Community Task Force. The committees all provided feedback throughout the development of the vulnerability assessment.

Staff conducted a number of outreach events and activities to raise awareness about the project countywide. Some of these activities included: development of a Sea Change website and social media campaign, distribution of monthly newsletters, a public workshop hosted by Genentech with over 200 attendees, and over 40 presentations to various community groups. In addition, the County partnered with consultants Climate Access, a firm specializing in climate science research and communications, and Owlized, a virtual reality company. Through a FEMA grant, the consultants installed two beach binocular-style devices that virtually simulate sea level rise impacts and responses at Coyote Point Park. As part of this project, Dr. Susanne Moser conducted four focus groups with elected officials, city staff, and community members to learn about current perceptions of risks from sea level rise and barriers to taking action on the issue.

Prior to the release of the Draft Assessment, County staff have presented at the March City Managers meeting, had follow-up meetings with city staff, and have created an online forum for edits and comments to be submitted. After the Draft has been released, staff will hold meetings with the Technical Working Group/Policy Advisory Committee and with the Community Task Force in mid-April.

Draft Assessment Highlights:

The Assessment includes an analysis of which assets (such as highways, hospitals, parks, etc.) are at risk from three different sea level rise scenarios in each city and unincorporated area of the County as well as 30 detailed case studies on individual assets and a community. The report also includes chapters on adaptation planning and next steps. The case studies are a main portion of the report and are meant to be representative of the different types of assets in the County and to provide a template to further evaluate vulnerability. They are designed to serve as templates for jurisdictions who want to further evaluate vulnerability.

Some highlights of the Assessment include:

- Wide-spread inundation of roads, natural habitats, wastewater treatment facilities, energy infrastructure, and other valuable assets
- 7,000 acres of wetlands, 360 miles of roads, and over 100,000 people are expected to be negatively affected in the mid-term scenario (3.3 feet sea level rise with a 1% annual chance storm)
- An assessed value of approximately \$39 billion is at risk in the long-term flooding and erosion scenario (6.6 feet of sea level rise with a 1% annual chance storm)

- Wastewater treatment plants are especially vulnerable, and near-term actions to flood-proof electrical sources could increase resilience of plants

To view the complete draft report, visit <http://seachangesmc.com/current-efforts/vulnerability-assessment/>.

Next Steps: The Sea Change SMC Initiative has three phases: 1. Assessment, 2. Resilience Planning, and 3. Implementation. The goal of the Sea Change SMC Initiative is to increase awareness and understanding of sea level rise, and increase coordination on sea level rise planning throughout the County. The final report is projected to be released in July 2017. Phase II, resilience planning, includes developing a detailed and strategic plan that strengthens coastal resiliency to flooding and erosion. Phase III will look into the implementation of projects such as elevating at-risk buildings and restoring habitats that are designed to decrease flooding. Concurrently during phases II and III, staff aims to present to each of the city councils as well as other forums to raise awareness about the report and gather support for a sea level rise collaborative and planning efforts. Staff are in the process of finalizing these additional next steps:

- Completing the vulnerability assessment for south of Half Moon Bay
- Conducting further analysis of County facilities and unincorporated areas
- Preparing a county policy on sea level rise and guidance for addressing sea level rise in County projects
- Developing an adaptation strategy for unincorporated areas and implementing pilot projects
- Providing technical assistance to cities on planning for resiliency

FISCAL IMPACT:

There is no Net County Cost.

C/CAG AGENDA REPORT

Date: May 17, 2017
To: San Mateo Countywide Water Coordination Committee
From: Sandy Wong
Subject: Receive a presentation on County of San Mateo flood control projects
(For further information or questions contact Sandy Wong at 599-1409)

RECOMMENDATION

It is recommended the committee receive a presentation on County of San Mateo flood control projects from the Flood Control Project Manager of the San Mateo County Public Works.

ATTACHMENTS

None

C/CAG REPORT

Date: May 17, 2017
To: San Mateo Countywide Water Coordination Committee
From: Sandy Wong, Executive Director of C/CAG
Subject: Discussion on committee workplan and direct staff on next-steps

Recommendation:

That the San Mateo Countywide Water Coordination Committee discuss workplan and direct staff on next-steps.

Fiscal Impact:

Staff time. May require consultant support, to be determined.

Background:

Given the committee's roles and responsibilities as listed below, staff recommends the committee direct staff to draft a workplan and next-steps.

1. Provide a forum for members to share information and conduct joint outreach, education and stakeholder engagement efforts.
2. Compile and disseminate information on funding opportunities.
3. Advocate for/seek out, and help members to advocate for/seek out, federal, state, regional, and private funds.
4. Compile, share, and be a central repository for, information concerning stormwater, flood control, and sea level rise projects in the county. Make use of existing information resources as much as possible.
5. Assist member agencies to collaborate and/or conduct joint planning, studies, and projects.
6. Develop, and/or assist member agencies to develop, planning policies and guidelines related to stormwater, flood control, and sea level rise.
7. Conduct research and analysis to inform member agencies.

Potential next steps may include setting up:

- A) "Working Group" consists of: County Flood Control Manager, County SLR Program Manager, CCAG Stormwater Pollution Prevention Manager, City Manager representative(s), etc.
- B) "Resource team" consists of: Representatives from the San Francisquito Creek Joint Powers Authority, BAWSCA, Chambers of commerce, special districts, community based organizations, city/town/county staff, C/CAG Stormwater Committee, etc.

Attachment:

None.

C/CAG AGENDA REPORT

Date: May 17, 2017
To: San Mateo Countywide Water Coordination Committee
From: Sandy Wong, Executive Director of C/CAG
Subject: Adoption of committee meeting calendar for 2017

Recommendation:

It is recommended the committee adopt its meeting calendar for 2017. This committee was set up to meet on a quarterly basis. Based on informal data gathering, it was found that committee members are generally available on the 3rd Wednesday of a month. Staff recommends the below dates for future meetings.

The recommendation of June 21 and July 19 meeting dates is tentative, as needed, since the committee is at its early stage.

Wednesday from 7:30 A.M. to 9:30 A.M.
June 21, 2017 (if needed)
July 19, 2017 (if needed)
August 16, 2017
November 15, 2017

Meetings will be held in the San Mateo City Hall, Conference Room C (located across from the Council Chamber), 330 West 20th Street, San Mateo, CA, unless otherwise noticed.