

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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Millbrae • Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside*

Committee Meeting Notice

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, **September 21, 2022**

Time: 3:00 p.m.

Location: Remote meeting via Zoom link below

On September 16, 2021, the Governor signed AB 361, which amended certain provisions of the Ralph M. Brown Act in order to allow for local legislative bodies to conduct their meetings remotely via telephonically or by other electronic means under specified circumstances. Thus, pursuant to Government Code section 54953(e), C/CAG Committee meetings will be conducted via remote conferencing. Members of the public may observe or participate in the meeting remotely via one of the options below.

Join by Zoom:

<https://us02web.zoom.us/j/81592976513?pwd=cExkVkl6d3N4ZzIjVTJiViZlJTdzJlZz09>

Meeting ID: **815 9297 6513**

Password: **510953**

Join by Phone:

Call in Number: **(669) 900-6833**

Meeting ID: **815 9297 6513**

Find your local number: <https://us02web.zoom.us/j/81592976513?pwd=cExkVkl6d3N4ZzIjVTJiViZlJTdzJlZz09>

Persons who wish to address the RMCP Committee on an item to be considered at this meeting, or on items not on this agenda, are asked to submit written comments to kspringer@smcgov.org. Spoken public comments will also be accepted during the meeting through Zoom. Please see instructions for written and spoken public comments at the end of this agenda.

AGENDA

1. Brief Overview of Teleconference Meeting Procedures
2. Roll Call and Introductions
3. Public Comments on items not on the agenda
4. Approval of minutes of the July 20, 2022 RMCP Committee meeting.
(Kim Springer – Committee Staff) Action
5. Presentation on California Energy Commission’s California Automated Permit Processing Program.
(Lucio Hernandez, CEC) Information/Discussion
6. Bay Area Water Supply and Conservation Agency update on water supply and drought conditions in San Mateo County and the BAWSCA Water Reliability Roundtable.
(Negin Ashoori, BAWSCA) Information/Discussion
7. Presentation on Peninsula Clean Energy residential electrification customer messaging and segmentation research findings for San Mateo County.
(KJ Janowski, PCE) Information/Discussion
8. Presentation on C/CAG programs and projects reducing GHG emissions and coordinated development of countywide carbon neutrality action plan.
(Kim Springer, Committee Staff) Discussion/Comment
9. Committee Member Updates
10. Next Scheduled Meeting Date: October 19, 2022

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 regularly scheduled 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 or committee. 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 Kim Springer (650)393-9359, 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 kspringer@smcgov.org with the subject line: "RMCP Written Comments."
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 Committee members and made publicly available on the C/CAG Committee website along with the agenda and read aloud by C/CAG staff during the meeting. Emails received less than 2 hours before the meeting will be provided to the RMCP Committee members and included in the administrative record of the meeting as soon as practicable.

Spoken comments will be accepted during the meeting through Zoom. Please read the following instructions carefully:

1. The RMCP Committee 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 the Committee Chair calls for the item on which you wish to speak, click on "raise hand." The Committee staff or Chair 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:

Executive Director: Sean Charpentier scharpentier@smcgov.org

RMCP Committee Staff: Kim Springer kspringer@smcgov.org

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Draft Meeting Minutes

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, July 20, 2022

Committee Members in Attendance:

Diane Papan – San Mateo
Alex Fernandez – Filoli
Christine Kohl-Zaugg – Sustainable San Mateo County
Donna Colson – Burlingame
Sue Beckmeyer – Pacifica
Ortensia Lopez - El Concilio
Jeff Smith – Sares Regis Group
Tom Francis – BAWSCA

Committee Members not in Attendance

Maryann Moise Derwin - Portola Valley
Don Horsley - San Mateo County Supervisor
Deborah Ruddock – Half Moon Bay
Rick DeGolia - Atherton
Bill Chiang - PG&E

Additional Attendees

Kim Springer – C/CAG
Sean Charpentier – C/CAG
Michael Barber, Supervisor Pine’s Office
Carol Steinfeld – Sierra Club
Tom Kabat – presenter
Josie Gaillard - presenter
Carl Schwab – public attendee
Christa McDonald – County OOS
Isabelle Peres – County OOS
Avana Andrade – County OOS
Craig Lewis – Clean Coalition

Note: Presentations for this meeting have been posted on the C/CAG RMCP Committee website:
<https://ccag.ca.gov/committees/resource-management-and-climate-protection-committee/>

1. Brief Overview of Teleconference Meeting Procedures

Committee staff provided a brief overview of teleconference meeting procedures.

2. Roll Call and Introductions

Committee staff completed Roll Call and a non-quorum of eight Committee members was achieved, allowing voting on agenda action items.

3. Public Comments on items not on the agenda

There were no public comments.

4. Approval of minutes of May 18, 2022 RMCP Committee meeting.

The Committee voted to approve the minutes of the May 18, 2022 Committee meeting minutes through a roll call vote. Motion by Committee member Smith, with second by member Francis, passed (7,0,0). Member Fernandez was not present for the vote.

5. Presentation on preliminary final results of San Mateo County residential electrification case studies.

Tom Kabat and Josie Gaillard, Consultants for the residential electrification case studies project, provided a presentation. The slides for the presentation are posted on the C/CAG RMCP website. The presentation focused on one specific home in San Bruno, of the various 10 homes studied. Electrification is the replacement of fossil fueled appliance with electric in homes. Because PCE provides nearly 100% GHG-free electricity in San Mateo County, this equates to approaching zero emissions.

Consultant visited the 10 homes and spent time putting together contractor bid packages for contractors to respond to. They collected specifics about the site, existing equipment, homeowner requests for replacement appliances, and electrical load design. The consultants showed slides of the existing and replacement equipment. The bid packages include solar, battery, backup, insulation, etc. Installation costs include like-for-like replacement as well as electric energy efficient projects, and the cost of the equipment. The costs are then modeled over time to show the simple payback period of the complete package if upgrade projects, including available rebates.

The analysis and resulting graphs show that the addition of solar greatly (positively) decreases the simple payback period of partial (phased in) or entire installations, with or without a battery backup. Committee members asked various question related to the presentation: how space is allocated in an existing panel for a future EV, how loans related to payback, affordability for low income, and how the new benefits of cooling and electrical panel safety were “normalized” in the analysis.

6. Bay Area Water Supply and Conservation Agency update on water supply and drought conditions in San Mateo County and the BAWSCA Water Reliability Roundtable.

Tom Francis, Committee member and Water Manager at BAWSCA, presented to the Committee on water supply and drought conditions. The State continues to experience drought, in some areas growing to extreme drought, with multiple executive orders from the governor and declarations by the SFPUC for conservation. Though the Hetch Hetchy Reservoir filled this year, the rest of the storage system for other parts of the state will not fill and other areas of the state are suffering. Summer water use reduction will be critical, even though it is still voluntary.

Though up-county precipitation fell short this year, as did the snowpack and length of time the snowpack melt occurred, locally we had slightly above average rainfall, due to atmospheric rivers and high rainfall in October and December 2021, so early in the water year. Water customer conservation, despite strong messaging, has not been as successful earlier in the year, but improved

somewhat in early July. BAWSCA continues to push our conservation messaging by billboards, social media, mailers, and the BAWSCA website.

Committee members discussed the likelihood of future atmospheric rivers and whether we're capitalizing that water capture opportunity, and how the outside temperature has been comfortable, but what happens when we may get a heat wave. In the interest of time for the last presentation Tom suggested and the Committee agreed to push the presentation on the Water Reliability Roundtable to the next meeting.

- 7. Receive presentation on the Orange Memorial Park Regional Stormwater Capture Project.** Reid Bogert, Senior Stormwater Specialist with C/CAG, presented on the Orange Memorial Park Regional Stormwater Capture Project. The Project is the result of several years of planning towards regional scale stormwater management, which has included identification of multiple project locations studied. Bogert shared three other project underway in San Mateo County in San Bruno, Belmont, and Redwood City.

The Project is truly a multijurisdictional project, with runoff coming from San Bruno, Daly City, Colma, Pacifica, the One Shoreline Colma Creek Watershed, and areas of Caltrans property. There was a ribbon cutting in June. Now that the project is completed, current efforts are focused on how to co-fund maintenance of the facility. The project diverts flow from Colma Creek for treatment and reuse and local flood reduction. The contaminants cleaned include Mercury, PCBs, and trash. The water reuse includes irrigation, water trucks supply, and groundwater recharge. Overflow of the system is returned to Colma Creek after cleaning. It's estimated that about 640 acre-feet of water will be diverted and cleaned annually and 15 million gallons of potable water use offset per year, and a significant water savings for the City of South San Francisco per year.

Municipal Regional Permit goals for capture and cleaning are individual goals for each city, but there is a countywide goal that, if met, satisfies all the city goals. This Project helps meet that countywide goal, just a structure for cities to contribute to the multijurisdictional projects is still being developed, including for maintenance and operations. Bogert explained some of the maintenance needs for the Project, which is estimated as between \$300K to \$500K per year, so not inexpensive.

Committee members and the public discussed the need for capturing contaminants at the beginning of a storm's runoff, ability to capture large amounts of stormwater, how to make the costs share based on average size of parcel, participation of One Shoreline in these kind of projects, and additional non-municipal sites for these kinds of projects.

8. Committee Member Updates

Donna Colson shared her background photo of the new zero net energy city center buildings in Burlingame and welcomed people to visit.

9. Next Scheduled Meeting Date: August 17, 2022

Note: All presentations are posted on the C/CAG RMCP Website at:

<https://ccag.ca.gov/committees/resource-management-and-climate-protection-committee/>

C/CAG AGENDA REPORT

Date: September 21, 2022
To: Resource Management and Climate Protection Committee
From: Lucio Hernandez, CEC
Subject: Presentation on California Energy Commission's California Automated Permit Processing Program.

(For further information contact Kim Springer at kspringer@smcgov.org)

RECOMMENDATION

Receive a presentation on California Energy Commission's California Automated Permit Processing Program.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Installing a solar on buildings can be a tool to reducing costs for electricity, especially with significant and renewed tax incentives available to consumers. For instance, the RMCP Committee received a presentation on July 20, 2022, from consultants engaged in a residential electrification case study project that shared analysis of how solar, combined with electrification, could significantly reduce the payback period for electrification. For this reason, staff believe that efforts to streamline permitting process for both solar and electrification hold opportunity to move towards carbon neutrality more rapidly.

Applications are now open for the California Energy Commission (CEC) California Automated Permit Processing (CalAPP) are now open to cities and counties interested in enhancing the automation of their solar permitting process. The application deadline to receive some of the \$20M grant funds allocated from the State general fund through the 2021 SB 129 Budget Act (Skinner), is May 1, 2023. The funding can be used to cover the cost of establishing an eligible automated, online solar permitting platform. In most cases, most of the funding will be used to reimburse staff or consultant time associated with implementing the software. There is also the possibility of the funds being used streamline permitting for electrification under specific circumstances.

Lucio Hernandez, Energy Commission Specialist, will provide a presentation on the CalAPP Program and share how cities and counties can apply. A link to the Program on the CEC website is provide as an attachment to this staff report.

ATTACHMENTS

Link to CEC CalAPP Program: <https://www.energy.ca.gov/programs-and-topics/programs/california-automated-permit-processing-program-calapp>

C/CAG AGENDA REPORT

Date: September 21, 2022
To: Resource Management and Climate Protection Committee
From: Negin Ashoori, BAWSCA
Subject: Bay Area Water Supply and Conservation Agency update on water supply and drought conditions in San Mateo County and update regarding BAWSCA's Water Supply Reliability Roundtable.

(For further information contact Kim Springer at kspringer@smcgov.org)

RECOMMENDATION

Receive a Bay Area Water Supply and Conservation Agency update on water supply and drought conditions in San Mateo County and update regarding BAWSCA's Water Supply Reliability Roundtable efforts.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

The Bay Area Water Supply and Conservation Agency (BAWSCA), which represents the 26 wholesale customers of the San Francisco Regional Water System, has been working with C/CAG staff on issues relating to water conservation and supply.

Negin Ashoori, BAWSCA's Senior Water Resources Engineer, will present an update on the current supply and drought situation in San Mateo County. Dr. Ashoori will also provide an update on the meetings of BAWSCA's Water Supply Reliability Roundtable.

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: September 21, 2022
To: Resource Management and Climate Protection Committee
From: KJ Janowski, Peninsula Clean Energy
Subject: Presentation on Peninsula Clean Energy residential electrification customer messaging and segmentation research findings for San Mateo County.

(For further information contact Kim Springer at kspringer@smcgov.org)

RECOMMENDATION

Receive a presentation on Peninsula Clean Energy residential customer electrification messaging and segmentation research findings for San Mateo County.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Peninsula Clean Energy (PCE) is the community choice aggregator for San Mateo County, providing clean electricity for most customers in San Mateo County. Their target for 24/4 100% renewable is in calendar year 2025. Electrification of both buildings and transportation is key in order for customers and our entire San Mateo County community to greatly reduce carbon emissions, leveraging this clean energy target date.

PCE is developing a concept for a campaign that would inspire residents to electrify their transportation and their residences, encouraging them to consider the benefits of switching out of fossil fuels and into clean electricity for these purposes. The intention is that this messaging will support decarbonization goals. To ensure that messaging resonates with their customers, Peninsula Clean Energy embarked on customer research to better understand the perceived benefits of electrification. The goals of the research, conducted in spring 2022, were to identify and characterize segments with distinctive appliance selection criteria, select segments for marketing targets, inform the development of messaging for targeted segments, and update the status of marketplace persuasion regarding building electrification. KJ Janowski, Director of Marketing and Community Relations at Peninsula Clean Energy, will present the key findings from the research and provide the status of campaign development.

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: September 21, 2022
To: Resource Management and Climate Protection Committee
From: Kim Springer, Committee Staff
Subject: Presentation on C/CAG programs and projects reducing GHG emissions and coordinated development of countywide carbon neutrality action plan.
(For further information contact Kim Springer at kspringer@smcgov.org)

RECOMMENDATION

Receive a Presentation on C/CAG programs and projects reducing GHG emissions and coordinated development of countywide carbon neutrality action plan.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Efforts to reduce greenhouse gas (GHG) emissions are increasing with additional and significant resources, including funding, being provided locally, from the State and from the Federal government. It is generally accepted that moving towards carbon neutrality will require electrification of building and transportation, a shift in how and when we use electricity, a shift to other modes of transportation, and carbon sequestration. Funding for these and related efforts, such as long-term battery storage technology pilots installations, which will be necessary to support our electrical grid, is growing.

C/CAG, as an organization, has numerous projects and programs, which can be tied to reducing GHG emissions including, active transportation, funding for shuttles, and even the joint effort to build express lanes on HWY 101 through San Mateo County. Combined, these projects and program represent both significant investments and essential elements in the effort to reduce GHG emissions.

Kim Springer, Transportation Systems Coordinator and Committee staff, will provide a presentation on these projects and program, and how they relate to emission reductions. In addition, staff will provide an insight into a multi-agency coordinated development of a countywide carbon neutrality action plan.

ATTACHMENTS

None