

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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RMCP Committee Meeting Notice

Resource Management and Climate Protection Committee (RMCP)

Meeting Location:

155 Bovet Rd. - Ground Floor Conference Room
San Mateo CA, 94402

Date: Wednesday, March 15, 2023 **Time:** 3:00 p.m.

*****HYBRID MEETING - IN-PERSON AND BY VIDEOCONFERENCE*****

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

Join by Zoom:

<https://us02web.zoom.us/j/81592976513?pwd=cExkVkl6d3N4ZzIBTjViZlJTdzJlZz09>

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=cExkVkl6d3N4ZzIBTjViZlJTdzJlZz09>

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. Roll Call and Introductions
2. Public Comments on items not on the agenda.
3. Approval of minutes of the February 15, 2023 RMCP Committee meeting.
(Kim Springer – Committee Staff) Action
4. Presentation on California Energy Commission Activities Supporting the Evaluation of Energy Storage and Long Duration Energy Storage to Support California's Zero Carbon Future.
(Mike Gravely – California Energy Commission) Information/Discussion
5. Presentation by the Hydrogen Fuel Cell Partnership on developments in Hydrogen infrastructure in California and beyond. (Keith Malone, Hydrogen Fuel Cell Partnership) Information/Discussion
6. Bay Area Water Supply and Conservation Agency update on winter storms and water supply and drought conditions in San Mateo County.
(Tom Francis, BAWSCA) Information/Discussion
7. Committee Member Updates
8. Next Scheduled Meeting Date: April 19, 2023

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

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

ADA REQUESTS: Persons with disabilities who require auxiliary aids or services to participate in this meeting should contact Mima Crume at (650) 599-1406 or mcrume@smcgov.org by 10:00 a.m. prior to the meeting date.

PUBLIC PARTICIPATION DURING HYBRID MEETINGS: During hybrid meetings of the C/CAG Board, members of the public may address the Board as follows:

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 Meeting Comment”.
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. If your emailed comment is received at least 2 hours prior to the meeting, it will be provided to the RMCP Committee members, made publicly available on the C/CAG website along with the agenda. Emails received less than 2 hours before the meeting will be provided to the C/CAG Board members and included in the administrative record of the meeting as soon as practicable.

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

***In-person participation:**

1. If you wish to speak to the Board, please fill out a speaker’s slip located on the 2nd floor auditorium side table against the wall. If you have anything that you wish distributed to the Board and included in the official record, please hand it to the C/CAG Clerk who will distribute the information to the Board members and staff.

***Remote participation:**

1. The C/CAG Board 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 C/CAG Clerk or Chair call for the item on which you wish to speak, click on “raise hand.” The Clerk will activate and unmute speakers in turn. Speakers will be notified shortly before they are called on to speak. If calling in via phone, press *9 to raise your hand and when called upon press *6 to unmute.
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

C/CAG

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Draft Meeting Minutes

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, February 15, 2023

Committee Members in Attendance:

Donna Colson – Burlingame (Chair)
Tom Francis – BAWSCA (Vice Chair)
Adam Loraine – San Mateo
Dave Pine – County of San Mateo
Deborah Ruddock – Half Moon Bay
Sue Beckmeyer – Pacifica
Rick DeGolia - Atherton
Jeff Smith – Sares Regis Group
Alex Fernandez – Filoli
Christine Kohl-Zaugg – Sustainable San Mateo County

Committee Members not in Attendance

Ortensia Lopez - El Concilio
Bill Chiang - PG&E

Additional Attendees

Kim Springer – C/CAG
Sean Charpentier – C/CAG
Amy Dao – BAAQMD
Susan Wright – County OOS
Nicole Sandkula - BAWSCA
Michael Barber – Supervisor Pine Staff
Peter Dreckmeier – Tuolumne River Trust
Charles Schwab – Pacifica Public
Carol Steinfeld – Sierra Club
Drew – Public

Note: All 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/>

Meeting called to order at 3:04 P.M.

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 quorum of nine Committee members was achieved, allowing voting on agenda action items. Two members joined later in the meeting, after the vote to adopt the January meeting minutes, for a total of eleven Members present.

3. Public Comments on items not on the agenda

There were no public comments.

4. Approval of the minutes of the January 18, 2023 RMCP Committee Meeting

The Committee reviewed the minutes of the January 18, 2023 RMCP Committee meeting for approval by the Committee. No comments were received. A motion was made by member Smith, seconded by member Francis. A roll call vote was taken, (9,0,0). Motion passed.

5. Information on AB 2449 and Hybrid C/CAG Meetings

C/CAG Executive Director, Sean Charpentier, provided a short verbal presentation on the terms of AB 2449 and the requirement to move back to in person meetings beginning in March. The presentation was followed by comments and discussion.

6. Discussion of future meeting topics for the RMCP Committee.

Committee staff opened the discussion by sharing that a list of past and potential topics for meetings in 2023-24 were included in the staff report for discussion. The Committee shared their comments on the meeting topics on the list. Member Papan mentioned Seamless and grade separations. Member Zaugg share interest in nature-based solutions and carbon sequestration. Member Francis mentioned a future report from the Water Reliability Roundtable that would be a good topic for the RMCP as would the scope of work for BAWSCAs Water Supply Reliability 2045 update. Member Ruddock shared her interest in learning more about zoning changes for more nature-based opportunities for resiliency and offshore wind development. Member Pine suggested we continue the discussion on drought. Member Smith mentioned a need for reports from PG&E on their readiness for the electrification transition and the NEM3 transition. Member Fernandez mentioned forest management. Public member Carol Steinfeld shared that Sierra Club has a model water ordinance to present, more emphasis on reducing demand on water supply, and that C/CAG should consider a separate Water Committee. Public member Drew requested a solution to a BAWSCA water update every meeting. Chair Colson and staff suggested some possible options for accomplishing that. Member Loraine mentioned that, for him, decarbonization is top of mind and also commercial building benchmarking.

Staff will record this feedback for planning future meeting topics.

7. Presentation on Bay Area Air Quality Management District's proposed amendments to Building Appliance Rules for residential and small commercial space and water heating.

Amy Dao, Senior Environmental Planner at the Bay Area Air Quality Management District provided a presentation on proposed amendments to current rules aimed at reducing emissions of nitrous oxides (NOx) resulting from the local combustion of natural gas at residential and small commercial sites. The emissions regionally, account for more NOx than passenger vehicles, and

Item 3

cause disproportionate health issues for BIPOC communities due to population densities. The updated rules, if adopted, would phase in starting in 2024 through 2031 and the BAAQMD Board hearing for adoption in on March 15, 2023. Requirement would be replace on burnout via a point of sale (at the retail level).

There has been a lot of stakeholder input, many concerns and timing and cost of urgent upgrades, as required by potential new rules. BAAQMD plans to hold stakeholder meetings to help resolve issues. Many incentives are available to help offset costs.

Committee members had two main suggestions for the BAAQMD; a strong public information campaign, especially for residential customers to be proactive in terms of planning and making it clear that the rules apply to retailers, such that they can no longer sell gas heating equipment in affected counties. There was a lot of concern that concern will fall on local elected officials. In addition, home warranters need to be informed.

8. Update on residential electrification Case Studies and Real Estate Professionals Listening Session

Susan Wright, Resource Conservation Programs Manager at the County Office of Sustainability, delivered a presentation on early outreach activities related to the Residential Case Studies Project.

Two presentations made to two different stakeholder groups, Real Estate professional, funded by PCE, and to the general public, funded by BayREN. The Committee requested that the materials and the webinar from the meetings be provided to the Committee.

Wright shared the take aways from stakeholders for each of the two meetings and next steps being considered. Committee members and the public provided additional discussion and input.

9. Next Scheduled Meeting Date: March 15, 2023

Meeting adjourned at 5:00 P.M.

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: March 15, 2023
To: Resource Management and Climate Protection Committee
From: Kim Springer, Committee Staff
Subject: Presentation on California Energy Commission Activities Supporting the Evaluation of Energy Storage and Long Duration Energy Storage to Support California's Zero Carbon Future.

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

RECOMMENDATION

That the RMCP Committee receive a presentation on California Energy Commission Activities Supporting the Evaluation of Energy Storage and Long Duration Energy Storage to Support California's Zero Carbon Future.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

RMCP Committee staff identify resources to enhance the understanding of Committee members on challenges to reducing GHG emissions, including achieving carbon neutrality. It is generally accepted that achieving carbon neutrality, both locally and in California, will require improvements to multiple aspects of our statewide grid infrastructure. More obvious challenges include issues leading to revolving blackouts, as were experienced in recent years in San Mateo County. Longer term challenges involve capacity of the grid to support electrification of both transportation and buildings by 2045. Both challenges are related to the growing (and needed) development of solar as a clean renewable resource. Ultimately, the California electric grid a system of generation and storage, both of which must be managed from a standpoint of timing, cost, and the fact that some of the resources come from outside of the State.

Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the Energy Commission to prepare a biennial integrated energy report. Since the chaptering of the bill, California has been shifting from oil and natural gas to renewable resources as electricity

California's "100 Percent Clean Energy Act of 2018," Senate Bill 100 (SB 100, De León) requires progress towards 100% a clean energy future through multiple programs that promote renewable energy, energy efficiency and the storage technologies needed to retire fossil fuel resources.

The biennial integrated energy report, the link to which is provided as an attachment to this staff report, contains an assessment of major energy trends and issues facing California's various fuel sectors, and "provides policy recommendations to conserve resources, protect the environment, ensure reliable, secure, and diverse energy supplies, enhance the state's economy, and protect public health and safety."

Top of mind for ratepayers in San Mateo County, especially as we promote building and transportation electrification, is grid stability. Large scale and long-term energy storage (meaning the storage can supply the grid for extended periods of time, not just a few hours, is key to the stability of the grid, especially during extreme weather events.

Mike Gravely, Energy Storage Team Lead and Senior Electrical Engineer for the Energy Systems Research Branch at the California Energy Commission, manages over \$400 million in microgrid, energy storage and related energy research and demonstration projects. Mr. Gravely will provide a presentation on energy storage for the RMCP Committee, for information and discussion.

ATTACHMENTS

1. Link to 2021 SB 100 Joint Agency Report Summary:
[2021 SB 100 Joint Agency Report Summary](#)

C/CAG AGENDA REPORT

Date: March 15, 2023
To: Resource Management and Climate Protection Committee
From: Kim Springer, Committee Staff
Subject: Presentation by the Hydrogen Fuel Cell Partnership on developments in Hydrogen infrastructure in California and beyond.

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

RECOMMENDATION

That the RMCP Committee receive a presentation by the Hydrogen Fuel Cell Partnership on developments in Hydrogen infrastructure in California and beyond.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Periodically, Committee staff have invited the California Fuel Cell Partnership (CaFCP), now the Hydrogen Fuel Cell Partnership to provide an update to the RMCP Committee on the deployment of vehicles and fueling infrastructure, the general growth of the use of Hydrogen as an energy source in California, and the progress of (mostly) private industry.

Since the last presentation in April 2022, the CaFCP has moved to more a national presence and is now called the Hydrogen Fuel Cell Partnership (H2FCP). A link to the H2FCP website is provided as an attachment to this staff report. There has been considerable movement at the Federal level through the Inflation Reduction Act, and competition for funding intended for the development of Hydrogen Hubs across the US. Expansion of the vehicle market using hydrogen also continues to grow.

Keith Malone, Public Affairs Manager for H2FCP, will provide a multi-level presentation on efforts to deploy Hydrogen in the US and California, with some direction on what to expect in the Bay Area region in the coming five to ten years.

ATTACHMENTS

1. Link to Hydrogen Fuel Cell Partnership website: <https://h2fcp.org/>

C/CAG AGENDA REPORT

Date: March 15, 2023
To: Resource Management and Climate Protection Committee
From: Tom Francis, BAWSCA, RMCP Committee Member
Subject: Bay Area Water Supply and Conservation Agency update on winter season / early 2023 storms and water supply and drought conditions in San Mateo County.
(For further information contact Kim Springer at kspringer@smcgov.org)

RECOMMENDATION

Receive a Bay Area Water Supply and Conservation Agency update on winter season / early 2023 storms and water supply and drought conditions in San Mateo County.

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.

Tom Francis, who last presented to the RMCP Committee on January 18, 2022, will present information on water supply conditions in San Mateo County. He will share details regarding rainfall totals in the bay area. In addition, he will share details regarding rainfall and snowpack within the upcountry watershed. Finally, he will offer his thoughts on when and if the SFPUC and the State will lift drought declarations.

ATTACHMENTS

None