

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, **February 16, 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 January 19, 2022 RMCP Committee meeting.
(Kim Springer – Committee Staff) Action
5. Presentation of draft residential laundry to landscape program proposal for comment.
(Kim Springer – Committee Staff) Discussion/Comment
6. Update on San Mateo County Energy Watch heat pump water heater and other municipal energy efficiency program offerings.
(Susan Wright, County OOS) Information/Discussion
7. Presentation on new TECH Clean California Multifamily Pilot and Incentives program and BayREN coordination.
(Nick Dirr, AEA) Information/Discussion
(Chris Hunter, StopWaste)
8. Committee Member Updates
9. Next Scheduled Meeting Date: March 16, 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 Transit District Office, 1250 San Carlos Ave., San Carlos, 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

C/CAG AGENDA REPORT

Date: February 16, 2022

To: Resource Management and Climate Protection Committee

From: Kim Springer, C/CAG and Committee Staff

Subject: Approval of minutes of January 19, 2022 RMCP Committee meeting.

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

RECOMMENDATION

That the RMCP Committee review and approve the minutes of January 19, 2022 RMCP Committee meeting.

ATTACHMENTS

Draft C/CAG RMCP Committee Meeting Minutes, January 16, 2022

C/CAG

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Draft Meeting Minutes

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, January 19, 2022

1. Roll Call – Introductions

Staff completed the roll call of Committee Members with the following quorum:

Committee Members in Attendance:

Maryann Moise Derwin - Portola Valley
Tom Francis – BAWSCA
Christine Kohl-Zaugg – Sustainable San Mateo County
Ortensia Lopez - El Concilio
Donna Colson – Burlingame
Deborah Ruddock – Half Moon Bay
Jeff Smith – Sares Regis Group

Not in Attendance

Don Horsley - San Mateo County Supervisor
Rick DeGolia - Atherton
Diane Papan – San Mateo
Deborah Ruddock – Half Moon Bay
Bill Chiang - PG&E
Alex Fernandez – Filoli

Additional Attendees

Sean Charpentier – C/CAG
Kim Springer – C/CAG
Perter Florin – Energy Solutions
Steve Kennedy – La Honda resident
Alison Seel – - Vermont EIC
Lena Silberman – Supervisor Horsley’s Office
Susan Wright – Office of Sustainability
Alexandria Gallizioli – Office of Sustainability
Carol Steinfeld – Sierra Club
Bob Cormia – La Honda resident
John Ellis – La Honda resident
Steve Kennedy – La Honda resident

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 seven Committee members was eventually achieved allowing action on the minutes and meeting date items.

3. Public Comments on items not on the agenda

There were no public comments received by email or delivered by meeting participants.

4. Approval of minutes of November 17, 2021 RMCP Committee meeting.

The minutes of the November 17, 2021 meeting was approved; Motion by Kohl-Zaugg and Second by Smith: (7,0,0)

5. Review and approval of RMCP Committee meeting dates through January 2023.

The meeting dates for February 2022 through January 2023 were approved; Motion by Lopez and Second by Francis: (7,0,0)

6. Bay Area Water Supply and Conservation Agency update on water supply and drought conditions in San Mateo County, the Regional Water Supply Reliability Roundtable, and the SFPUC Long-term Vulnerability Assessment.

Tom Francis provided an update on the current statewide water supply and drought conditions, including rainfall and water use trends in San Mateo County.

Though we've had rain and there has been improvement in the drought maps, most of the state is still in severe drought. Most reservoirs in the state are at 50% to 70% of past annual average capacity, so more rain is needed. To help with the drought, the state needs a lot of both rain and snowpack in February, March, and perhaps April. The snowpack, at this point, is doing well, but little rain or snowfall is predicted for rest of January into February.

Since the January meeting, the SFPUC has declared a water shortage emergency with a voluntary, systemwide 10% cutback. Water agencies are tracking water use over the next twelve months. The SFPUC is tracking results and deciding when and if mandatory rationing will become necessary.

BAWSCA is in the process of hiring a consultant to support the Water Supply Roundtable through a Statement of Qualifications (SOQ). Selection was supported by BAWSCA and C/CAG and a water agency. It is anticipated that the Roundtable will meet two times before the end of June 2022.

The SFPUC has posted the Long-Term Vulnerability Assessment, which is a 240-page report, the link to which is provided in the BAWSCA presentation posted on the C/CAG RMPC website for this January 2022 meeting.

7. Update on La Honda Community Microgrid project.

John Ellis provided an update on the potential La Honda microgrid project, which, at this time, includes a short-, mid-, and long-term plan. A focus of the project currently is finding a solution for the La Honda Schools, which serves 50-60 families in La Honda and depends on electricity for pumping of water. For teachers, who all live in La Honda, purchase of 4-6 kWh power back up boxes for exchange at the school is being considered. Lighting efficiency for teachers' homes is also being considered. The Cuesta community guild is being considered for islanding as a relief

center for the community, on high heat days for instance. Current partners are PG&E, C/CAG, Peninsula Clean Energy, and South Coast Sustainable.

8. Presentation on new single- and multi-family homeowner and contract electrification incentive program.

Peter Florin from Energy Solutions and Alison Seel from Vermont Energy Investment Corporation, partners on the TECH Clean California Program. The Program is California's first big effort to transform the heat pump market. The effort aligns with the states goal of carbon-free homes by 2045. The Program serves single family and multifamily residences in the IOU gas territories, including those customers using propane gas. Funding comes from Cap-and-Trade funds proportional to gas-IOU allowances at approximately \$120 million over the next few years.

The Program provides both training and incentives, with the goal of collecting data to help analyze both the success of the program and how future programs can be improved in the future. Training is provided to contractors and incentives are also provided to contractors, which they must pass on to the customer. That may become flexible to the contractor in the future. Incentives can be stacked with BayREN or PCE incentives for transition to heat pump water or space heating systems. As a result, incentives are significant. For instance: gas or propane to Heat Pump Water Heating can be as much as \$3,100.

Committee members expressed interest and concern for multi-family electrification and presenters reviewed both the multifamily incentives in the TECH California program, which provides for electrical panel upgrades, and a new TECH Multifamily pilot program, which could be invited to present to the RMCP Committee at a future meeting.

This presentation and all others from this meeting are posted on the C/CAG RMCP website here: <https://ccag.ca.gov/committees/resource-management-and-climate-protection-committee/>

9. Committee Member Updates

There were no Committee member updates.

Next Scheduled Meeting Date: February 16, 2022

C/CAG AGENDA REPORT

Date: February 16, 2022
To: Resource Management and Climate Protection Committee
From: Kim Springer, C/CAG and Committee Staff
Subject: Presentation of draft residential laundry to landscape program proposal for review and comment.

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

RECOMMENDATION

Receive a presentation of draft residential laundry to landscape program proposal for comment.

FISCAL IMPACT

None. Funding for this Laundry to Landscape program have not yet been identified.

BACKGROUND/DISCUSSION

Concerns about drought in California and potential consequences, such as the need for considerable rationing of water use, in San Mateo County spurred greater discussion by the RMCP Committee in calendar year 2021. Topics such as One Water and water capture and reuse programs, including residential Laundry to Landscape were discussed by the Committee.

At the April 21, 2021 RMCP Committee meeting, staff provided a presentation on One Water. At the July 21, 2021 meeting, County Environmental Health provided a presentation on non-potable guidelines for water reuse and BAWSCA presented a draft of their Water Supply Reliability Roundtable concept. At the August 18, 2021 Committee meeting, staff invited Laura Allen from Greywater Action to present on residential grey water systems, which was mainly focused on Laundry to Landscape. At the October 20, 2021 Committee meeting, staff invited Carol Steinfeld to present on the Loma Prieta Chapter of the Sierra Club's effort to develop a model water conservation ordinance.

In coordination with BAWSCA and other stakeholders such at County OOS, staff has developed a proposed scope for a countywide residential Laundry to Landscape program for San Mateo County. The draft proposal is provided as an attachment to this staff report.

The draft has been presented for review and comment to BAWSCA and County OOS staff, as well as Santa Clara Valley Water staff, who have been implementing a broad residential water reuse program for about eight years. The current draft considers feedback from these agencies and is presented to the RCMP Committee for review and comment.

The proposed program scope is not funded at this time. Once positive feedback and comments from the Committee and others has been received and incorporated, staff will review the

proposed scope with state and federal funding advocates and grant providers to source funding for the program. Because there are opportunities to expand the program, staff may seek funding up to \$300,000.

ATTACHMENTS

None

Residential Laundry to Landscape Program Proposal Gray Water Capture as Conservation

The risk of drought is real. San Mateo County's Pacific coastal and Bayside (especially at-risk-) communities may have to address new and potentially severe water conservation mandates in multiple-year scenarios of California drought.

Water conservation (reducing demand on potable supply) has traditionally been low-flow-fixture focused. However, reframing the future of adapting to ongoing drought to reducing potable water supply use, a more one-water capture approach, is key. To this end, C/CAG proposes, working with multiple community partners, to educate the public about residential gray water capture-to-landscape opportunities, already allowed, without residential permitting requirements based on the current CA plumbing code. There is a need to develop consistent understanding across city building departments, contractors (landscape and plumbing), and residents about what is allowable, considerations of use, how to install a "system", and the potential for water supply savings.

This project will help build consensus and awareness of the potential impacts of drought, the allowable "laundry-to-landscape", without permit, onsite water capture and reuse opportunities, so that residents and homeowners are resourced and empowered to act. This project will also help eliminate any existing confusion and, therefore, staff time for city building and planning departments, related to permit-less onsite residential water capture opportunities.

Task 1: Project Lead and Build Website Content

- *Procure a consultant to advise and lead the project*
- *Build website content focused on one water, and water capture and reuse (for existing websites, C/CAG, city, BAWSCA, RCD, CBOs)*
 - *gray water, stormwater, rainwater (focus on gray water, links to the other existing water capture opportunities)*
 - *website pages and graphics by developer*
 - *Grantor credited with funding the project*

Task 2: Stakeholder Training

- *Provide training for Three Audiences*
 - *Water agencies, building departments, and sustainability staff - Plumbing Code education: when permitting IS required, and when not*
 - *Contractors, landscapers, and handypersons (focus on small, disadvantaged businesses) – what is required for a GW2L installation and best practices*
 - *Residents and homeowners - know the GW2L installation requirements and best practices for soil and human health*

Task 3: Pilot Projects

- *Multiple Pilot Projects to be installed at residential sites (free install by lottery)*
 - *funded by the grant as case studies*
 - *Certified GW to Landscape Installer*

- exhibited on the website for retail (Customer) cost, installation time, materials, and images

Preliminary Budget: (Total cost of Project \$155K, Local Match TBD% - \$TBD)

Task or Costs Item	Consultants	L2L Installer	Materials	Administration	Sub-total
Hire Consultants				\$15,000	\$15,000
Initial Website Scoping	\$5,000				\$5,000
Design and Deliver Trainings	\$25,000				\$25,000
Hire Certified L2L Installer	\$5,000			\$5,000	\$5,000
5 - Pilot Projects	\$10,000	\$25,000	\$15,000		\$45,000
Pilot Writeups	\$30,000				\$30,000
Web Content Dev.	\$30,000				\$30,000
Total Category Cost	\$105,000	\$25,000	\$15,000	\$20,000	\$165,000
%	64%	15%	9%	12%	100%

Draft Timeline:

Award	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9
Hire Consultant	■	■	■						
Design Trainings			■	■					
Perform Trainings					■	■			
Identify Pilot Sites			■	■					
Install Pilots					■	■			
Develop Web Pages			■				■	■	
Finalize Web Pages				■					■

Project Leads:

C/CAG
 Bay Area Water Supply and Conservation Agency (BAWSCA)
 County Environmental Health (SMCEH)
 San Mateo County Resource Conservation District (SMCRCD)
 County Office of Sustainability

Project Advisors

SMC – 21 Elements (countywide planners)

SMC – Building Officials

SMC RCD – Coastside

SMC Cities – Bayside and Coastside

C/CAG RMCP, CMEQ, and Stormwater Committees – Elected Officials, City Staff, and Public

El Concilio San Mateo County

Community-based Organizations - CBOs

C/CAG AGENDA REPORT

Date: February 16, 2022

To: Resource Management and Climate Protection Committee

From: Susan Wright, County Office of Sustainability

Subject: Update on San Mateo County Energy Watch heat pump water heater and other municipal energy efficiency program offerings.

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

RECOMMENDATION

Receive an update on San Mateo County Energy Watch heat pump water heater and other municipal energy efficiency program offerings.

FISCAL IMPACT

None. Funds from the San Mateo County Energy Watch, PG&E local government partnership program cover the costs of the program.

BACKGROUND/DISCUSSION

The San Mateo County Energy Watch local government partnership program between C/CAG and PG&E launched over thirteen years ago in 2009. The program focuses on energy efficiency, and may also promote electrification, EV charging, and energy resilience at customer sites. C/CAG with PG&E, and the County Office of Sustainability (OOS) with C/CAG, are in contract for OOS to manage and staff the Program through June 2023. As of the end of December 2021, the SMC Energy Watch (SMCEW) program has completed 18-months of its 36-month program cycle. This program cycle, the SMCEW team has coordinated with both internal and external partners to provide technical and financial assistance in the small business, public school, and municipal sectors.

In late 2021, PG&E, a third-party contractor to PG&E (Willdan), and OOS coordinated to launch a Heat Pump Water Heater (HPWH) pilot that installed HPWHs at several municipal sites in San Mateo County. The program will continue into 2022 as PG&E and CPUC goals provide more opportunity for GHG emission reducing, fuel switching programs at customer sites. This new pilot was presented by OOS at the November 17, 2021 RMCP Committee meeting.

Susan Wright, Resource Conservation Programs Manager at the County Office of Sustainability, will return to present an update to the Committee on both the municipal HPWH pilot as it moves into calendar year 2022, and the other offerings to municipalities through the San Mateo County Energy Watch program.

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: February 16, 2022

To: Resource Management and Climate Protection Committee

From: Kim Springer, Committee Staff
Nick Dirr, AEA
Chris Hunter, Stopwaste

Subject: Presentation on new TECH Clean California Multifamily Pilot and Incentives program and BayREN coordination.

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

RECOMMENDATION

Receive a presentation on new TECH Clean California Multifamily Pilot and Incentives program and BayREN coordination for information and discussion.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

To achieve carbon neutrality by 2045, the State of California has funded a new program called Tech Clean California. The program is a \$120M initiative focused on single- and multi-family homes. 40% of the program benefits are targeted towards low-income and disadvantaged communities.

At the January 19, 2022 RMCP Committee meeting, Peter Florin from Energy Solutions presented on the TECH Initiative single family and multifamily incentives program. Committee members provided feedback to the presenters and expressed interest in a presentation on the multifamily pilot program, which held a stakeholder meeting near the end of last month on January 26, 2022.

TECH Clean California multifamily program will provide incentives, pilot efforts, technical assistance, and training to help overcome barriers to electrification and energy efficiency upgrades in multifamily properties. The Program coordinates with BayREN and shares the consultant invited this month to present, so the two programs are in collaboration.

The TECH Multifamily initiative and pilot program is led by consultant Association for Energy Affordability (AEA). Nick Dirr, Senior Director of Program for AEA, will present the program and pilot elements to the Committee, and Chris Hunter, Program Services Specialist with Alameda County StopWaste will co-present on elements of the BayREN Multifamily program.

A link to the Teach Clean California Multifamily program website is provide as an attachment to this staff report.

ATTACHMENTS

1. Link to Tech Clean California Multifamily website: <https://energy-solution.com/tech-incentives/multifamily/>
2. Link to BayREN Multifamily Property Owner Program: <https://www.bayren.org/rebates-financing/multifamily-property-owners>
- 3.