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CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, May 15, 2019

Time: 2:00 p.m. to 4:00 p.m.

Location: 455 County Center – 2nd Floor, Conference Room 201

1. Introductions and Welcome to new committee members
2. Public Comment
3. Approval of Minutes from October 17 and November 28, 2018, January 16 and March 20, 2019
RMCP Committee meetings
(Kim Springer – Committee Staff) Action
4. Election of RMCP Committee Chair and/or Co-Chair
(Kim Springer – Committee Staff) Action
5. Review and approval of RMCP Committee meeting dates for calendar year 2019
(Kim Springer – Committee Staff) Action
6. Recruitment for RMCP Committee seats: Large Business, Nonprofit, and Environmental
Organization (Kim Springer – Committee Staff) Discussion
7. Discussion on equity and opportunity in San Mateo County
(Ortensia Lopez – El Concilio of San Mateo County) Discussion
8. Update on countywide building energy reach code adoption effort
(Kim Springer – Committee Staff) Presentation/Discussion
9. Committee Member Updates
10. Next Meeting Date: June 19, 2019

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 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>.

PUBLIC PARTICIPATION: Public comment is limited to two minutes per speaker. 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.

If you have any questions about this agenda, please contact C/CAG staff:

Executive Director: Sandy Wong (650) 599-1409

RMCP Committee Staff: Kim Springer (650) 599-1412

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Resource Management and Climate Protection Committee (RMCP)

Minutes of October 17, 2018 Meeting

In Attendance:

Deborah Gordon, Committee Chair, Woodside Town Council*
Ortensia Lopez, El Concilio of San Mateo County*
Bill Chiang, PG&E*
Maryann Moise Derwin, Committee Vice Chair, Mayor Portola Valley*
Rick DeGolia, Town of Atherton*
Pradeep Gupta, South San Francisco City Council*
Diane Papan, Councilmember, San Mateo*
Beth Bahtnagar, SSMC Board Member*
Adrienne Carr, BAWSCA*
Sandy Wong, C/CAG
Kim Springer, County Office of Sustainability
Danielle Lee, Office of Sustainability
Doug Silverstein, Public
Mark Esguerra, PG&E
Eunice Garcia, PG&E
John Allan, County Office of Sustainability

Not in attendance:

Dave Pine, County Supervisor*
Rick DeGolia, Town of Atherton*
Robert Cormia, Professor Foothill-DeAnza*
Don Horsley, County Supervisor*
* Committee Member (voting)

1. Introductions

2. Public Comment

Doug Silverstein introduced himself, his impressions of the great work being done in San Mateo County by organizations such as C/CAG and shared his connection to the many nonprofits in San Mateo County with the hope that he would be able to work more closely with the committee.

3. Approval of Minutes from June 27, 2018 and July 18, 2018 RMCP Committee meetings

Gupta/ DeGolia - passed

PUBLIC NOTICING: All notices of C/CAG Board and Committee meetings are posted at:
San Mateo County Transit District Office, 1250 San Carlos Ave., San Carlos, CA.

4. Presentation by PG&E on electric grid integration and innovation

Mark Esguerra presented on PG&E's work related to integration of clean technologies to support climate action, and new processes to enable action. He reviewed that state goals and discussed the opportunity that a rapid change in technology, EVs, batteries, etc., and the increased customer choice for electing renewables and technologies. Esguerra showed the growth of EV, solar installations, etc. Esquerra shared numbers of the number of transformers and interconnections, etc., in the PG&E territory and the need to make sure these systems are safe and reliable.

He next discussed the work PG&E has been doing to streamline the process of interconnecting solar and other systems. The rate of applications for these types of applications are running at about 5000 per month. This is for solar. The same is becoming true for EV charging infrastructure. PG&E has also developed maps of grid hosting capacity and these are public with a registration process online at PG&E. The maps are color coded in terms of hosting capacity, whether it be limited by site use or site generation.

The maps and other tools being used by PG&E to reduce cost of grid upgrades is tied to avoid "wiring" changes, being called non-wire solutions. There are more opportunities for PG&E to collaborate with counties to do more to coordinate non-wire solutions. They can provide a 24/7 depiction of the grid, but not all that data is yet available for the public, but the intention is that it will be. Community solar is being tracked separately from 5000-6000 applications for rooftop, and this is a follow-up item to see what the tracking for "community" solar looks like.

The presentation turned to EV charging station and Bill Chiang shared that PG&E has an existing program for installing EV charging stations in banks of ten or more that the costs are approximately 80% covered. Esguerra also mentioned that there are efforts with EV manufacturers to allow charging infrastructure to pull electricity from the EV batteries. At this point it is experimental, but it's being explored. In terms of timing for charging, car manufacturers, such as BMW can send a telematic signal to vehicles to align with grid needs, to address duck curve issues. This program is expanding to 350 BMW vehicles soon. These kinds of demand response programs for vehicles are slowly expanding. PG&E is also partnering on a EV school bus pilot, which works well with timing for vehicle charging.

PG&E is also working with communities on microgrid projects in California, in northern California at an airport, on an Indian reservation, and on Angel Island. These kinds of project are being explored from a resilience and business model approach.

There were so many questions and interest from the Committee that it was requested that Mark, Eunice, a PG&E employee Alex Padilla, and of course Bill Chiang be invited for another meeting to explore more opportunities for PG&E and county agencies to collaborate.

PG&E's presentation is posted on the C/CAG RMCP website here:
<http://ccag.ca.gov/committees/resource-management-and-climate-protection-committee/>

5. Bay Area Water Supply and Conservation Agency update on current water supply and conservation

Adrienne Carr provided a water supply update and an update on some state actions underway. The normal storage is running 84% full. Typical is about 80% full, and the higher levels are due to continued water conservation on the part of consumers. The new water year is just beginning, and it's being projected to be an el nino year and wet, but it's too early to be sure. Water delivery is still tracking pretty flat to the past few years, not back up to pre-drought levels.

Carr continued, sharing an update on the state's Bay-Delta Plan update. With the existing proposal, which BAWSCA has commented on, there would potentially be significant cuts in water supply, even as far as causing a need for rationing in dry years, as much as over 50%. The history is that we have shortages one in every 10 years, but with the current plan proposed, this could happen three for four years out of 10. This would look like rationing and moratoriums in communities. An example of this is East Palo Alto, until they purchased additional allocations.

SFPUC and a few other agencies submitted an alternative plan, which would provide further benefits for fish habitat while having less effect on water supply for communities. With multiple proposals, there are settlement discussions underway. The balance is habitat restoration, agriculture, and drinking water supply. State Senator, Jerry Hill, attended a BAWSCA Board meeting and suggested that public outreach be considered on the topic to help the public understand the circumstances. BAWSCA is continuing engagement with stakeholders and member agencies are being updated, with the hopes that the voluntary settlement agreement will be considered. BAWSCA will continue to with state officials and agencies to write letters in support of the approach their agencies most support.

BAWSCA will provide an update on the outcome of efforts at a future meeting.

BAWSCA's presentation is posted on the C/CAG RMCP website here:

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

6. Update and discussion on San Mateo County Energy Strategy 2025 stakeholder meetings and content development

Kim Springer introduces John Allan who provided an update on progress with stakeholders for the update to the San Mateo County Energy and Water Strategy. Allan shared the organizing framework and the other elements as the project moved towards the eventual draft document, which will be completed by the end of December. The elements include a set of icons to identify the partner or agency that will help move the action forward. The goals-strategies-actions framework was quickly reviewed, and comments were provided by the Committee.

Committee comments included:

- be sure to include more on equity and how to represent communities of need in the document and actions for both energy and water
- the breadth of the roadmap is significant but maybe it needs to be more prioritized
- actions should leverage PCE financial standing

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- modernizing the grid is central to success since the existing controls and infrastructure are 50+ years old so the questions is where to invest in the grid
- grid vulnerabilities are different now than years ago so we may need to think about where systems are aging out
- be sure to leverage community nonprofits to help move the community forward, there is incredible opportunity there

The staff presentation on this item is posted on the C/CAG RMCP website here:

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

7. Presentation on 2050 Partners, Inc. Job Order Contracting feasibility study scope of work

Kim Springer provided a short presentation on Job Order Contracting (JOC) and how a city might leverage this procurement tool. C/CAG and the County have contracted with 2050 Partners, Inc., with local government partnership fund to complete a feasibility study by year end. The study will include what would be required of a centrally-run cooperative for the cities in San Mateo County.

The Committee suggested that it would important to consider any downsides of this approach, and that it not provide a staff a pathway to implementing projects without council approvals.

8. Update on C/CAG – PG&E 2019 contract and program development for the San Mateo County Energy Watch

Kim Springer provided an update on the challenges and proposed program for the SMCEW 2019 program year, including changes in budget and how it will shape the Program. The SMCEW may become a “non-resource lead local partner”, which is a new term staff just received from PG&E in the last week or so. It may be, in 2020 and beyond, that the Program will be a non-resource

9. Committee Member Updates

Beth Bhatnagar – SSMC has an indicators release event being held at Oracle and she provided flyers for attendees.

10. Next Meeting Date: November 28, 2018

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Resource Management and Climate Protection Committee (RMCP)

Minutes of November 28, 2018 Meeting

In Attendance:

Deborah Gordon, Committee Chair, Woodside Town Council*
Ortensia Lopez, El Concilio of San Mateo County*
Maryann Moise Derwin, Committee Vice Chair, Mayor Portola Valley*
Rick DeGolia, Town of Atherton*
Diane Papan, Councilmember, San Mateo*
Pradeep Gupta, South San Francisco City Council*
Adrienne Carr, BAWSCA*
Sandy Wong, C/CAG
Kim Springer, County Office of Sustainability
John Hoang, C/CAG
Sarah Muse, C/CAG
Michael Barber, Supervisor Pine's Office
Georgie LaBerge, SSMC

Not in attendance:

Dave Pine, County Supervisor*
Robert Cormia, Professor Foothill-DeAnza*
Don Horsley, County Supervisor*
Beth Bahtnagar, SSMC Board Member*
Bill Chiang, PG&E*

* Committee Member (voting)

1. Introductions

2. Public Comment

3. Approval of Minutes from October 17, 2018 RMCP Committee meeting

No quorum to approve minutes at this time in the meeting.

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4. Update and discussion on San Mateo County Energy Strategy 2025 stakeholder meetings and content development

Kim Springer gave an update on stakeholder meetings and progress developing the San Mateo County Energy and Water Strategy 2025 document. Springer also mentioned that PG&E and PCE are beginning to work more closely because of this project.

The next RMCP Committee meeting may include discussion of Smart Grid, which is not strongly mentioned in the document at this time, and that we do have a partial draft document at this time. DMV GL will complete the full draft by the end of December. The draft document will be posted on the C/CAG RMCP website.

Springer took a few minutes to go over the draft partial Strategy document, in particular the new sections under Goal 3 for Energy and Water. More has incorporated in terms of equity elements and there will be plenty of time for further refinement and comments for outside stakeholders.

Gordon: Are we considering the fast-changing issue of grid resiliency and safety, namely wildfires.

Springer: Not specifically in the document at this time, but we can work to include it, and safety is one of the guiding principles in the document.

Gordon: It's important to consider that water movement is an opportunity for storage:

Gupta: There is plenty of this type of thing going on in Southern California.

Springer shared that, on the water side, the County and BAWSCA are coordinating a customer-side smart water meter pilot with WaterNow Alliance.

Gupta: What will this pilot answer?

Springer: The meters are expensive, but the pilot is to see what can be achieved in terms of behavior change.

Gordon: This is the direction the consumer is moving, the concept of IOT as a tool to manage resource use. We need to be prepared for the security and privacy issues that will come.

Gupta: Are the utilities going this direction?

Carr: Yes, the water agencies are doing this and water meters time out every 20 years, so agencies will go with the new technologies.

Springer mentioned that the next and (anticipated) last meeting of the stakeholders will be on December 12.

5. Receive a presentation on the Draft San Mateo County Transportation Programs Climate Impact Report

Betty Seto, DNV GL, gave a presentation on the San Mateo County Transportation Climate Impact Report.

C/CAG has been working with DNV GL to develop the subject report. John Hoang introduced Betty Seto from, DNV GL, who gave a presentation on the San Mateo County

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Transportation Climate Impact Report.

The emphasis of this project was driven in large part by the new state climate targets and the work of RICAPS by C/CAG and the County, OOS. The Study considers the Countywide Transportation Plan, the Alternative Fuels Readiness Plan, and the city climate action plans.

Springer shared that the original goal was for C/CAG to develop a climate action plan for highways and major arterials, that cities could leverage or tier off the plan to meeting their CAP goals.

Betty Seto presented on the Report, explaining both the calculation methodologies and the basis for the Vehicle Miles Traveled outputs for the VTA model.

Gordon: Has that model been validated?

Seto: The ARB model has a very low estimation of the transition to EVs in the State. However, the mix may change far more rapidly in San Mateo County.

Gupta: Somewhere the connection between SMC-specific data must be integrated.

Set went on to share the San Mateo County is already at a 2% adoption rate of EV's based on DMV data.

The committee discussed the need for more charging stations to ensure deployment of EVs and that pushing for pre-conduits in new buildings is essential. Further discussion included the advent of more high-density housing, and how even the next generation might not be as interested in owning their own vehicles, nor their own fully-utilized living spaces. In addition, what will happen with improved public transportation.

The committee identified an error in one of the charts and the associated calculation, that DNV GL will go back and review. There was further discussion about how the data comes together from the DMV, and the registration of new vehicles vs. purchased used vehicles. In general, more work needs to be completed on the data and the study before it goes to the C/CAG Board.

6. Update on 2050 Partners, Inc. Job Order Contracting feasibility study

Kim Springer gave a presentation on progress on the Job Order Contracting Feasibility Study. The focus is on energy-related construction projects to help cities streamline their procurement efforts. The consultant, 2050 Partners, Inc. have completed interviews with about 10 cities, great discussion with cities, and many cities use JOC to purchase vehicles. There is no definitive answer about whether it makes sense to have a central agency to run a Job Order Contracting RFP process of multiple agencies, at this time, which is one of the goals of the study.

The final report will be completed by the end of the year.

7. Review and approval of RMCP Committee meeting dates for calendar year 2019

The Committee reviewed the meeting dates and determined that the November date needed to change to November 20th, considering Thanksgiving on November 28th.

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8. Committee Member Updates

Pradeep and Deborah shared that they will not be on the committee, and staff shared that they would leave both on the distribution list, with the hopes that Deborah and/or Pradeep would attend as public members.

Cake was shared in gratitude for their service.

9. Next Meeting Date: December 19, 2018 or January 16, 2018 To Be Determined

The committee decided to cancel the December meeting and meet next on January 16, 2019

**Resource Management and Climate Protection Committee (RMCP)
Minutes of January 16, 2019 Meeting**

In Attendance:

Kim Springer, County Office of Sustainability
Sandy Wong, C/CAG
Maryann Moise Derwin, Committee Vice Chair, Mayor Portola Valley*
Rick DeGolia, Town of Atherton*
Michael Barber, Supervisor Pine's Office
Adrienne Carr, BAWSCA*
Diane Papan, Councilmember, San Mateo*
John Allan, County Office of Sustainability
Doug Silverstein, Public
John Sarter, Clean Coalition

Not in attendance:

Dave Pine, County Supervisor*
Robert Cormia, Professor Foothill-DeAnza*
Don Horsley, County Supervisor*
Beth Bhatnagar, SSMC Board Member*
Bill Chiang, PG&E*
Ortensia Lopez, El Concilio of San Mateo County*

***Committee Member (voting)**

1. Introductions

2. Public Comment

- None

3. Approval of Minutes from October 17, 2018 and November 28, 2018 RMCP Committee Meetings

- No quorum to approve minutes at this time in the meeting.

4. Discussion on recruitment of open seats on the RMCP Committee and Election of Committee Chair and/or Co-Chair

Springer: There are no current applicants, we will be conducting outreach to fill vacant seats.

- Committee offered suggestions of potential members:
 - Emily Beach, City of Burlingame
 - Ned Fluett, Woodside
 - Daniel Yost, Woodside
 - Craig Hughes, Portola Valley
 - Drew Combs, Menlo Park
 - New Councilmembers at City of San Carlos
- No quorum to elect Committee Chair and/or Co-Chair

5. Update on San Mateo County Energy and Water Strategy 2025 project and draft document review

John Allan and Kim Springer provide an update on progress with the stakeholder workgroup for the update to the San Mateo County Energy and Water Strategy. Allan shared an overview of the stakeholder workgroup, which includes PG&E, PCE, city staff, water agencies, special districts and private sector professionals, and provided details of the final stakeholder workgroup meeting where RMCP committee feedback to explore equity and prioritization were the focus. Stakeholders were given the opportunity to vote on specific actions and strategies by placing stickers on a series of posters displaying the organizing framework. Key actions and strategies were further refined through identification of “foundational actions” which may preempt other actions. Springer described the status of the document which is going through an additional round of internal review before being distributed to a larger group of stakeholders. Springer outlined a roadmap for adoption of the document by all 20 cities and the county which will include future presentations to the C/CAG Board and PCE Board.

Committee comments included:

- General agreement with the approach to adoption and anticipates little resistance
- Cities have Sustainability and Infrastructure Committees that may want to review or be briefed on the document
- Feedback from local non-profits could be beneficial
- BAWSCA will be providing further edits but would not take it to their board for adoption

6. Presentation on Smart Grid technologies currently being deployed, new technologies soon to be available, and how these will improve our building and vehicle connection to grid

This item was postponed to after item #7

John Sarter from Clean Coalition delivered a presentation providing an overview of how smart grid technologies, such as EVs, PV systems, and battery storage, function together to create microgrids that allow for renewable energy generation, storage, backup power, islanding, and energy arbitrage which can all create benefits to the community in terms of cost-savings and resilience while helping the microgrid deal with issues related to peak usage and the duck curve. Clean Coalition provides support for adoption of new technologies and assistance in navigating regulatory barriers to prove microgrid technology through pilot projects.

- Papan: Clarification on smart appliances
- Springer: Some heat pump water heaters have an add-on option to be connected using the one of the common protocols identified
- Papan: Could this apply to WWTPs?
 - Sarter: Yes Absolutely

Clean Coalition recently completed a pilot project in San Francisco which consisted of a 4-story ZNE building with 4 units on individual microgrids. This project was completed in April and is the first passive house certified multi-unit “nanogrid”. Each unit is separately islandable which added to the cost but was required by PG&E.

- Benefits of the project for tenants include:
 - Lower operations costs
 - Revenue from energy export
 - Potentially free transportation energy
 - Health benefits through better building envelope in ZNE buildings

- Resilient for self and community
- Reduced GHG emissions
- Springer: Clarification on how this affects property values (reminder of Mynt Systems presentation)
- Springer: Question regarding how battery storage can reduce payback of PV systems
- Committee questions regarding market value of home, size, current occupancy and sale process
 - Sarter: described that the bottom units have been sold and the top units are still on the market for between \$2.2 and \$2.75 million. They want to hold out for a strong offer as the point of this project was to prove to developers that adding these technologies into the design will be a good investment for the developer and will add to property value. Sarter also discussed benefits of the rooftop bidirectional solar panels which are transparent and capture incidental sunlight from surrounding buildings. This system provides low albedo in rooftop areas and provides a comfortable space for activities on the rooftop common area. Rainwater harvesting systems were also designed but ultimately cost-engineered out.
 - Committee discussed opportunities for a tour

John Sarter provided more detail on how microgrid benefits can extend to the entire community rather than individual property owners. In the North Bay, there are microgrids installed in critical facilities such as hospitals, fire stations and places of refuge.

- Papan: WWTPs should also be included in this list
 - Sarter: Yes, and schools could also work well for this

While facility microgrids benefit single entity, community microgrids provide community benefits where energy can be truly mobile and shared between different buildings and vehicles as deemed necessary. However, the regulations are not in place necessarily for community microgrids where energy can be shared between different buildings with different utility meters. The vision is an Advanced Smart City with centralized grid operations that can manage behind the meter energy storage, hydrogen energy storage, and is islandable.

- Springer: Clarification on what makes net energy metering difficult

Clean Coalition is developing an “Electrification/Microgrid Ready” document to provide guidance for new and existing buildings to participate in community microgrids. The goal is to present this as an adoptable resolution for local, state and federal government.

- Sarter: Would like RMCP to review
- Derwin: Please send to Springer for circulation
 1. Would like RMCP to review
 2. John Sarter will send draft to Kim
- Derwin: Notice to wrap up presentation to allow for final items

Sarter provided brief overview of Vehicle to Building and Vehicle to Grid Technology. This technology is already deployed in Nissan vehicles and other manufacturers are integrating it ahead of regulatory adoption. Vehicle to building is a possible way of circumventing building to building

grids until the regulatory hurdles are resolved. There is already a community in Japan using all these microgrid technologies, including V2G and V2B, together. Volkswagen is taking an aggressive approach to EV integration with the grid through their Elli program.

7. Update on 2050 Partners, Inc. Job Order Contracting feasibility study and final report

This item was moved to #6

Kim Springer to provide update on JOC and summary of project. The process was initiated to explore whether time and cost saving benefits experienced by other jurisdictions could be achieved in San Mateo County. The contractor conducted a series of interviews to determine familiarity with the JOC process as well as the viability and usefulness of JOCs in individual jurisdictions. Half of the cities were available for an interview. The study found that many cities were already familiar with JOC and a common use of this was to purchase fleet vehicles

- DeGolia: Clarification on how cities would use this, and does it allow them to avoid public bidding requirement?
- Springer: Referenced 4217 and that it may be a possibility
- DeGolia: Atherton would want to use this for solar/microgrid, especially given that north bay is doing this after fires.
- DeGolia: Atherton has seen trouble with procurement for projects without a timeline since materials and technology prices are changing so rapidly
- Springer: This was discussed in the study and may be explored further

Additional findings were that cities were focused much more on mechanical projects rather than lighting since most lighting projects had been completed relatively recently. We are also looking at the opportunity access to design and engineering services through JOC as recent changes to the Energy Watch program have resulted in the loss of Ecology Action as a partner for engineering services. Cities were also very focused on EV infrastructure but JOC isn't very feasible for this. The final version of the study is posted on RMCP committee website.

8. Review and approval of RMCP Committee meeting dates for calendar year 2019

- No quorum to approve 2019 meeting dates at this time

9. Committee Member Updates

- Adrienne Carr: DWR Prioritization, all San Mateo County Basins are low priority, no need to establish groundwater sustainability agency. There is still ongoing activity in these basins however. We may participate in a voluntary water monitoring program (CASGEM).
 - Recognition of the work County Office of Sustainability and Environmental Health and Charles Ice have done.
- Michael Barber: Recognition of OOS/PCE Reach Code efforts.
 - Kim Springer: Summary of 3 PCE Community Pilot Program grants awarded to OOS.
 1. Toolkit for local government EV fleets
 2. Reach Codes
 - a. Electrification
 - b. EV Infrastructure

3. Enhancement of RICAPS tools

- DeGolia: PCE Board just approved \$16 million program to deploy EV infrastructure

10. Adjourned – Next Meeting Date: February 20, 2019

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Resource Management and Climate Protection Committee (RMCP)

Minutes of March 20, 2019 Meeting

In Attendance:

Maryann Moise Derwin, Committee Vice Chair, Mayor Portola Valley*
Doug Silverstein, Public
Adrienne Carr, BAWSCA*
Diane Papan, Councilmember, San Mateo*
Michael Barber, Supervisor Pine's Office
Rachael Londer, County Office of Sustainability
Shraddha Mutyal, Bay Area Regional Energy Network
Sandy Wong, C/CAG
Kim Springer, County Office of Sustainability
John Allan, County Office of Sustainability
Georgie Laberge, SSMC Board Member
Janet Borgens, Redwood City
Drew

Not in Attendance:

Bill Chiang, PG&E*
Ortensia Lopez, El Concilio of San Mateo County*
Don Horsley, County Supervisor*
Rick Degolia, Town of Atherton*

1. Introduction and Welcome to new committee members

Meeting called to order without quorum.

2. Public Comment

No comments

3. Approval of Minutes from October 17 and November 28, 2018, and January 16, 2019 RMCP Committee meetings (Kim Springer – Committee Staff)

No quorum, deferred to future meeting

4. Election of RMCP Committee Chair and/or Co-Chair

No quorum, deferred to future meeting

5. Review and approval of RMCP Committee meeting dates for calendar year 2019

No quorum, deferred to future meeting

6. Presentation on 2019 BayREN regional energy efficiency program and reach code efforts

Rachael Londer from the San Mateo County Office of Sustainability provided an overview of BayREN programs energy efficiency offerings and funding sources. BayREN is a collaboration of the 9 bay area counties.

A case study on a multi-family project was presented after describing the multifamily program benefits including an incentive of \$750/unit for a 15% reduction in energy consumption. BayREN connects property owners with engineers to scope the work as well as contractors and financing to complete the work.

Derwin: How much of the total project cost did the rebate cover?

Londer: 90% approximately, yet depends on project.

Londer introduced reach codes and current efforts around San Mateo County to increase energy efficiency and reduce GHG emissions through reach code adoption. The presentation covered how reach codes are adopted including an overview of the 2019 code cycle and cost effectiveness requirements. Benefits of reach codes include buildings that are safer, cost effective, smarter, more resilient and healthier. Additionally, reach codes can help prepare EV infrastructure to meet future demands.

Peninsula Clean Energy, in partnership with the Office of Sustainability, will be providing a menu of reach code templates for cities in San Mateo County.

Papan: What is the threshold for requiring solar on remodels?

Londer: current study is just for new construction but we're measuring cities' appetite on this

Derwin: Clarifying that reach codes do not apply to ADUs

Londer: That is correct. Generally, there is a move towards deregulation of ADUs.

Borgens: Do the studies include electric resistance water heater analysis?

Springer: Clarifying that electric resistance is a different technology than heat pump water heaters.

Londer: HPWH are much more efficient than resistance and therefore cost effective which is why they were studied.

The current reach code efforts include ongoing outreach to stakeholders, including: sustainability staff and building departments as well as public outreach to industry professionals to solicit input. No specific codes have been proposed at this time, but more specific language is expected to be released in April or May.

Springer: Reactions from stakeholders are across the board, some groups are super progressive, others very resistant

Papan: If a lot of developers are doing it, this seems like it would affect the cost, is that communicated?

Londer: This is something we need to look at

Springer: Beyond the dollar amount, there's a huge need to address perception and make sure the benefits are clearly communicated. Hopefully we can find consistency this way.

Londer: We want to get all cities involved in this effort

Michael Barber: General feedback is that building staff are looking for guidance from elected officials

Papan: City managers meet regularly

Londer: We presented to them last week

Barber: Need to nudge building officials

To further clarify what a reach code could accomplish, Londer provided some rough ideas of a policy and defined performance vs. prescriptive approaches with local examples of Marin and Palo Alto reach codes. Londer also provided a list of resources (funded by PCE and SVCE) for cities seeking to adopt reach codes. These include a technical consultant, OOS and CCA staff support, BayREN coordination, and a \$10,000 stipend for staff time

Springer: This is what was likely presented to city managers

Next steps and timeline for reach codes (see slides)

Papan: Is this going to the C/CAG board?

Sandy Wong: Nothing in April, maybe in May or June

Londer: We'll have a better idea of the specific measures in June. We really want to bring this to elected officials

Shraddha Mutyal provided an overview of progress on the BayREN single family program. The Home Upgrade Program ended in 2018 and issued a total of \$403,425 in incentives with an average of \$3,500 per project. The new program seeks to address some of the challenges experienced the previous iteration including high upfront costs, communicating benefits beyond bill savings, ineligibility for renters and the high administrative burden. Specific goals of the new program include increasing program participation, accessing moderate income households, marking the non-bill saving benefits of energy efficiency, and transitioning existing contractors.

The new program business plan was approved in 2018 and included feedback from industry professionals. The program will direct participants to the energy advisor service and provide online energy self-evaluations (Website goes live April 1). An energy efficiency kit with free items (\$70 value) will be available to participants and Green House Calls (audits) will be provided through a partnership with Rising Sun

Londer: County strategy for engaging with Rising Sun will include asking for referrals of local youth interested in job training.

Borgens: Is this available on the website?

Mutyal: Yes, it will be available when the website launches

The Home+ Program will offer cash rebates for individual measures up to \$5000.

Londer: There is a HPWH rebate if moving from electric water heater to HPWH

Adrienne Carr: What percentage do these rebates cover?

Mutyal: We don't have that data, it really depends as there are many factors to the cost of replacement

Springer: It seems like they mainly cover the cost of equipment

Carr: We would like to have more information on this

Papan: Does this still go after the middle income group?

Mutyal: It's for everyone, we can't qualify customers based on income, but we are focusing on marketing to them

Borgens: Is it possible to combine rebates?

Mutyal: Yes, but customers can't double dip. There are tax rebates at the state level however.

The Home+ Program rolled out January 15th and we've already had 5 applicants in San Mateo County receiving a total of \$1500 in incentives.

7. Update from Bay Area Water Supply and Conservation Agency

Adrienne Carr provided an update on reservoir capacity, water system upgrades, precipitation and new policy changes. The reservoirs are looking very full and Calaveras Dam was recently completed and is now filling up. Most reservoirs are above average and will continue to rise through June. Precipitation is above average, and the snowpack is already 50% higher than the peak average snow pack.

SFPUC water deliveries are trending below average due to the significant rainfall, and potable water use for BAWSCA agencies is similar to 2018.

The State Water Board adopted the SWRCB Bay Delta Plan on Dec. 12. BAWSCA is currently working on a voluntary settlement.

Papan: Can you clarify how water is allocated?

Carr provided explanation of models to prescribe flow based on water conditions and fish populations. BAWSCA is not in the room for these specific discussions but is staying informed on progress to gauge how it will affect customers

8. Discussion on equity and opportunity in San Mateo County

Ortensia Lopez unable to make meeting due to conflict – will be pushed to a future meeting, as there is still significant interest on this topic

9. Committee Member Updates

Barber: Announcement about SB 45, a \$4B bond to fund CA Climate, wildfire and Parks projects. Michael will be sending comments on behalf of County and needs input by Friday, March 22nd.

10. Next Scheduled Meeting:

April 17, 2019

C/CAG AGENDA REPORT

Date: May 15, 2019
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff
Subject: Election of RMCP Committee Chair and/or Co-Chair
(For further information contact Kim Springer at 599-1412)

RECOMMENDATION

Participate in election of RMCP Committee Chair and, possibly, a Co-Chair.

FISCAL IMPACT

None.

BACKGROUND/DISCUSSION

The November 28, 2018 RMCP Committee meeting was the last meeting for two elected officials, Deborah Gordon's and Pradeep Gupta's participation on the RMCP Committee as committee members. Both have been invited to continue to participate as public attendees. Recruitment for these two, open, elected official seats, as well as the seat vacated by Supervisor Dave Pine has been completed.

The C/CAG Board approved the appointment of three elected officials to the RMCP Committee:

- Janet Borgens – Councilmember, Redwood City
- Donna Colson, Mayor, City of Burlingame
- Drew Combs, Councilmember, Menlo Park

An additional recruitment is underway to fill other vacant seats on the Committee. The RMCP Committee Roster has been updated and is attached.

The RMCP Committee has been without a Chair since November. Committee members should provide nominations and elect a Chair and possibly a Co-Chair for the Committee at this meeting.

ATTACHMENT

- A. RMCP Roster, May 2019

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

Atherton • Belmont • Brisbane • Burlingame • Colma • Daly City • East Palo Alto • Foster City • Half Moon Bay • Hillsborough • Menlo Park • Millbrae • Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside

Resource Management and Climate Protection Committee (May 2019)	
Elected Officials (7)	
OPEN - Committee Chair	Don Horsley Vice President County of San Mateo – District 3 dhorsley@smcgov.org
Maryann Moise Derwin – Vice-Chair Mayor Portola Valley mderwin@portolavalley.net	Drew Combs Councilmember Menlo Park dcombs@menlopark.org
Rick DeGolia Councilmember Atherton rdegolia@ci.atherton.ca.us	Diane Papan Councilmember San Mateo Dpapan@cityofsanmateo.org
Janet Borgens Councilmember Redwood City jborgens@redwoodcity.org	Donna Colson Mayor Burlingame dcolson@burlingame.org
<u>Stakeholder Representatives (5)</u>	
<u>Energy</u>	Ortensia Lopez – Executive Director El Concilio of San Mateo County or10sie@el-concilio.com
<u>Water</u>	Adrienne Carr – Sr. Water Resource Spec. Bay Area Water Supply and Cons. Agency acarr@bawsca.org

Resource Management and Climate Protection Committee (May 2019)	
<u>Utility</u>	Bill Chiang Government Relations Pacific Gas and Electric Company william.chiang@pge.com
<u>Nonprofit</u>	VACANT
<u>Business/Chamber of Commerce</u>	VACANT
<u>Environmental</u>	VACANT

<u>RMCP Committee Staff</u>	
<u>C/CAG:</u>	Sandy Wong Executive Director swong@smgov.org (650) 599-1420
<u>County of San Mateo Office of Sustainability:</u>	Kim Springer Resource Conservation Programs Manager Energy-Water Programs kspringer@smcgov.org (650) 599-1412

C/CAG AGENDA REPORT

Date: May 15, 2019
To: Resource Management and Climate Protection Committee
From: Kim Springer, Committee Staff
Subject: Review and approval of RMCP Committee meeting dates for calendar year 2019
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Review and approve RMCP meeting dates for calendar year 2019

FISCAL IMPACT

None

SOURCE OF FUNDS

Funding for the RMCP Committee comes from C/CAG Congestion Relief Funds.

BACKGROUND/DISCUSSION

At the change of each calendar year, the Committee reviews and approves the meeting dates for the following calendar year. The RMCP Committee will continue to meet on third Wednesdays from 2:00 to 4:00 p.m., provided staff has sufficient business to conduct at the meeting. The June meeting is proposed to be held on the 4th Wednesday, June 26th, due to an anticipated annual energy forum.

Staff may cancel a meeting or shift a meeting date with notice to the committee and the public. Meetings will continue to be held (as a preference) at the 155 Bovet Rd., San Mateo location for 2019. The optional meeting location will, generally, be at County Center in Redwood City.

The following dates are the proposed meeting dates for the RMCP Committee in 2019 and January 2020. Once approved, staff will update the C/CAG RMCP Website and provide Committee members appropriate calendar appointments.

May 15	October 16
June 19	November 20
July 17	December 19
August 21	January 15, 2020
September 18	

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: May 15, 2019
To: Resource Management and Climate Protection Committee
From: Sandy Wong, C/CAG Executive Director
Subject: Recruitment for RMCP Committee seats: Large Business, Nonprofit, and Environmental Organization

(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive a report on recruitment for RMCP Committee seats: Large Business, Nonprofit, and Environmental Organization, and support recruitment.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

The RMCP Committee currently has three vacancies due to committee member changes over time. The seat for an Environmental stakeholder was held by Beth Bhatnagar, who has stopped attending. The seat for Nonprofit was held by Bob Cormia, who has been unable to attend due to conflicts with his college-level teaching. The Large Business/Chamber of Commerce seat has been vacant for some time and was previously a Chamber of Commerce seat, held by the Hispanic Chamber of Commerce.

To fill these vacant seats, staff has developed a recruitment letter, attached, which is posted on the C/CAG website. The recruitment closes June 4, 2019 but will remain open after that date until the committee seats are filled.

Staff has sent out notices of the recruitment for the RMCP Committee, and requests that existing committee members support the recruitment by sending the recruitment letter link to interested parties.

ATTACHMENTS

Recruitment Letter

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

Atherton • Belmont • Brisbane • Burlingame • Colma • Daly City • East Palo Alto • Foster City • Half Moon Bay • Hillsborough • Menlo Park • Millbrae • Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside

May 10, 2019

To: Large Businesses, Nonprofits, and Environmental Organizations in San Mateo County

Subject: Call for Candidates to Fill Committee Vacant Seats – RMCP Committee

Dear Interested Parties,

The City/County Association of Governments of San Mateo County (C/CAG) currently has three vacancies on a standing Committee: Resource Management and Climate Protection (RMCP) Committee. The vacant seats are as follows:

Large Business Representative – One (1) seat
Nonprofit Representative – One (1) seat
Environmental Organization Representative – One (1) seat

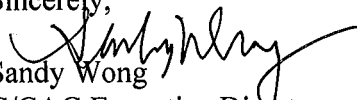
Individuals from above-listed organizations wishing to be considered for appointment to the RMCP Committee should send a letter of interest to:

Sandy Wong
Executive Director of C/CAG
555 County Center, 5th Floor
Redwood City, CA 94063
or e-mail to slwong@smcgov.org.

The Letter of Interest should include a brief discussion of why the individual is interested in serving on the Committee, how the individual believes that their participation will support the committee, and an expressed level of commitment to attend meetings held. If you would like to be considered for any of the seats on the RMCP Committee, please submit your Letter of Interest by **June 4, 2019**. Appointments will be considered at the June 13, 2019 C/CAG Board meeting. If there is no letter of interest received for a vacant seat by June 4, 2019, the recruitment for that seat will remain open until filled.

If you have any questions about the Committees or this appointment process, please feel free to contact C/CAG staff: Kim Springer at 650-599-1412, or by email at kspringer@smcgov.org.

Sincerely,


Sandy Wong
C/CAG Executive Director

Attachment: About the RMCP Committee

About the RMCP Committee:

The Resource Management and Climate Protection (RMCP) Committee provides advice and recommendations to the full C/CAG Board and provides updates to the Congestion Management and Environmental Quality (CMEQ) Committee on matters related to energy, water, and climate action efforts in San Mateo County, and develops and promotes actions, programs, and resources on the same. The RMCP committee also receives reports on the San Mateo County Energy Watch (SMCEW) and Regionally Integrated Climate Action Planning (RICAPS) program. The Committee supports the goals, strategies, and actions outlined in the San Mateo County Energy and Water Strategy, which include: conserving and transitioning our energy supply and grid, water supply conservation and technologies, collaboration, leadership, and economic development opportunities. The RMCP meets on the third Wednesday of the month from 2:00 p.m. to 4:00 p.m. in San Mateo, or Redwood City as a secondary location.

C/CAG AGENDA REPORT

Date: May 15, 2019
To: Resource Management and Climate Protection Committee
From: Ortensia Lopez, Committee Member, El Concilio of San Mateo County
Subject: Discussion on equity and opportunity in San Mateo County

(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Participate in a discussion on equity and opportunity in San Mateo County

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

In the process of reviewing the draft San Mateo County Energy and Water Strategy 2025 document, RMCP Committee members expressed concern that the draft document lacked language on equity and economic opportunity. The document is being revised, tying new language to specific strategies and actions in the framework of the Strategy.

Staff believes that it would be beneficial to have a discussion on equity to explore issues and how they might be addressed, as the county progresses on energy and water technology, infrastructure, and policy.

Committee member, Ortensia Lopez, Executive Director of El Concilio of San Mateo County will begin the discussion with her perspective on equity issues and challenges in the region and San Mateo County. El Concilio is a community organization committed to increasing education, employment and access to quality of life services for underserved communities of San Mateo County. Ortensia has lead low- and middle-income energy efficiency programs in San Mateo County for many years and provides a wealth of information for multiple stakeholders on equity.

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: May 15, 2019
To: Resource Management and Climate Protection Committee
From: Kim Springer, Staff to RMCP Committee
Subject: Update on countywide Reach Code adoption effort

(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive an on countywide Reach Code adoption effort and provide direction for C/CAG Board presentation.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

The RMCP Committee received a presentation at the March 20, 2019 meeting on the countywide effort to support adoption of energy reach codes as part of the regular three-year building code adoption cycle. The new building code takes effect on January 1, 2020. The Committee suggested this effort could be presented to the C/CAG Board in order to garner elected official support.

Peninsula Clean Energy, Silicon Valley Clean Energy and the County Office of Sustainability have been working with consultants to provide resources to cities to facilitate adoption of reach codes. The reach code resources will include draft code language, no-cost consulting, and an incentive from PCE to adopt reach codes. The reach codes fall under two categories, building electrification and electric vehicle infrastructure.

Staff will provide a presentation and update on progress made since the March meeting.

ATTACHMENTS

None