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Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, January 16, 2019

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

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

1. Introductions
2. Public Comment
3. Approval of Minutes from October 17 and November 28, 2018 RMCP Committee meetings
(Kim Springer – Committee Staff) Action
4. Discussion on recruitment of open seats on the RMCP Committee and Election of Committee Chair and/or Co-Chair
(Kim Springer – Committee Staff) Action
5. Update on San Mateo County Energy and Water Strategy 2025 project and draft document review
(Kim Springer – Committee Staff) Presentation/Discussion
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 the grid
(John Sarter – Clean Coalition) Presentation/Discussion
7. Update on 2050 Partners, Inc. Job Order Contracting feasibility study and final report
(Kim Springer – Committee Staff) Presentation/Discussion
8. Review and approval of RMCP Committee meeting dates for calendar year 2019
(Kim Springer – Committee Staff) Action
9. Committee Member Updates
10. Next Meeting Date: February 20, 2019 or as approved by Committee

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

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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 the state discussions on water allocations. 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 work 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 question 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 be 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.

PUBLIC NOTICING: All notices of C/CAG Board and Committee meetings are posted at:
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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 WaterSense.

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

C/CAG AGENDA REPORT

Date: January 16, 2019
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff
Subject: Discussion on recruitment of open seats on the RMCP Committee and Election of Committee Chair and/or Co-Chair

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

RECOMMENDATION

Participate in discussion on recruitment of open seats on the RMCP Committee and Election of 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.

A recruitment letter has been sent to all elected officials in San Mateo County, which closes on January 18, 2019. The letter is an attachment to this staff report, as is the current roster for the Committee. Current committee members are encouraged to outreach to elected officials in San Mateo County to promote service on the RMCP Committee. The C/CAG Board will approve all appointments to the RMCP Committee.

As we wait for the recruitment to complete, current committee members should provide nominations and elect a Chair and possibly a Co-Chair for the Committee at the January meeting.

ATTACHMENT

- A. C/CAG Recruitment Letter
- B. RMCP Roster, January 2019

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Date: December 18, 2018

To: All Councilpersons of San Mateo County Cities and Members of the Board of Supervisors
All City/County Managers

From: Maryann Moise Derwin, C/CAG Chair

Subject: **C/CAG Committee Vacancies for Elected Officials**

The City/County Association of Governments of San Mateo County (C/CAG) currently has vacancies on four of its standing Committees for elected officials of City Councils and/or the Board of Supervisors. The vacancies are:

- 1 Seat – Congestion Management & Environmental Quality (CMEQ) Committee**
- 1 Seat – Legislative Committee**
- 1 Seat – Bicycle and Pedestrian Advisory Committee (BPAC)**
- 2 Seats – Resource Management and Climate Protection (RMCP) Committee**

Individuals wishing to be considered for appointment to any of these Committees should send a letter of interest to:

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

Individuals must be an elected official on one of the twenty City Councils in San Mateo County or an elected official on the San Mateo County Board of Supervisors¹. Individuals may send a letter of interest for a specific committee or a letter expressing interest in serving on any of the committees where there are vacancies. Please see Attachment A for more information about each Committee.

If you would like to be considered for any of these Committees, please submit your letter of interest by **January 18, 2019**. If letters of interest are not received by January 18, 2019, the recruitment will remain open until filled.

If you have any questions about the Committees or this appointment process, please feel free to contact any of the C/CAG Staff as follows:

¹ No more than two BPAC members can reside in the same jurisdiction. There are currently two members that reside in the City of South San Francisco, the City of Millbrae, and the Unincorporated County of San Mateo, and as a result, no new members from these three jurisdictions can be appointed.

For CMEQ:
Jeff Lacap
650-599-1455
jlacap@smcgov.org

For Legislative Committee:
Jean Higaki
650-599-1462
jhigaki@smcgov.org

For BPAC:
Sara Muse
650-599-1460
smuse@smcgov.org

For RMCP:
Kim Springer
650-599-1412
kspringer@smcgov.org

Sincerely,



Maryann Moise Derwin
Chair, C/CAG Board

Attachment

ATTACHMENT A (to letter)

About the Committees:

1. **The Congestion Management and Environmental Quality Committee (CMEQ)** provides advice and recommendations to the full C/CAG Board on all matters relating to transportation planning, congestion management, travel demand management, coordination of land use and transportation planning, mobile source air quality programs, energy resources and conservation, and other environmental issues facing the local jurisdictions in San Mateo County. The role of the CMEQ Committee also includes making recommendations to the C/CAG Board on the allocation of funding for specific projects and activities addressing these programmatic areas. The Committee meets on the last Monday of each month from 3:00 p.m. to 5:00 p.m. in the San Mateo City Hall. There is one vacancy on this committee.
2. **The Legislative Committee** provides advice and recommendations to the full C/CAG Board on matters dealing with State Legislation, ballot measures, and positions to take on specific bills. The Committee is also the liaison with C/CAG's Lobbyist in Sacramento. The Committee meets at 5:30 p.m. on the 2nd Thursday of the month, immediately before the regular C/CAG Board meeting. The Committee generally cancels its meetings when the State Legislature is in recess. There is one vacancy on this committee.
3. **The Bicycle and Pedestrian Advisory Committee (BPAC)** provides advice and recommendations to the C/CAG Board on all matters related to bicycle and pedestrian facilities planning and the selection of projects of certain state and federal funding. Meetings are held on the fourth Thursday of the month at 7:00 p.m. in San Mateo City Hall. The BPAC has approximately six meetings per year. No more than two BPAC members can reside in the same jurisdiction. There are currently two members that reside in the City of South San Francisco, the City of Millbrae, and the Unincorporated County of San Mateo, and as a result, no new members from these three jurisdictions can be appointed. There is one vacancy on this committee.
4. **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., primarily in San Mateo with Redwood City as a secondary location. There are two vacancies on this committee.

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San Francisco • Woodside*

Resource Management and Climate Protection Committee (January 2019)	
Elected Officials (7)	
Committee Chair - OPEN	Dave Pine Supervisor County of San Mateo – District 1 dpine@smcgov.org Office (650) 363-4571
Maryann Moise Derwin – Vice-Chair Mayor Portola Valley mderwin@portolavalley.net Home (650) 851-8074 Cell (650) 279-7251	Don Horsley Vice President County of San Mateo – District 3 dhorsley@smcgov.org Office (650) 363-4569
Rick DeGolia Councilmember Atherton rdegolia@ci.atherton.ca.us Office (650) 793-2800	Diane Papan Councilmember San Mateo Dpapan@cityofsanmateo.org Cell (415) 377-4462
OPEN	
<u>Stakeholder Representatives (6)</u>	
<u>Energy</u>	Ortensia Lopez – Executive Director El Concilio of San Mateo County or10sie@el-concilio.com Office (650) 373-1087
<u>Water</u>	Adrienne Carr – Sr. Water Resource Spec. Bay Area Water Supply and Cons. Agency acarr@bawasca.org Office (650) 349-3000

Resource Management and Climate Protection Committee (January 2019)	
<u>Utility</u>	Bill Chiang Government Relations Pacific Gas and Electric Company william.chiang@pge.com Cell (650)339-1627 Office (650)598-7392
<u>Nonprofit</u>	Robert Cormia Professor, Foothill - De Anza Community College CormiaRobert@foothill.edu (650)747-1588
<u>Business/Chamber of Commerce</u>	Vacant
<u>Environmental</u>	Beth Bhatnagar Board Member Sustainable San Mateo County bethbh@comcast.net (650) 638-2323

<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@smgov.org (650) 599-1412

C/CAG AGENDA REPORT

Date: January 16, 2019
To: Resource Management and Climate Protection Committee
From: Kim Springer, RMCP Committee Staff
Subject: Update on San Mateo County Energy and Water Strategy 2025 project and draft document review

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

RECOMMENDATION

Receive an update and have a discussion on the San Mateo County Energy and Water Strategy 2025 project and draft document review.

FISCAL IMPACT

Staff time is paid for by funding under the C/CAG – PG&E Local Government Partnership (LGP) agreement and from Congestion Relief Funds for staffing of the RMCP Committee.

BACKGROUND/DISCUSSION

At the February 21, 2018 RMCP Committee meeting, the Committee decided to move forward with an update to the San Mateo County Energy Strategy 2012 document. At the March 21, 2018 RMCP Committee meeting, staff presented a draft workplan and time line for a San Mateo County Energy and Water Strategy 2025 update project. At the April 18, 2018 RCMP Committee meeting, staff presented two documents for review and discussion, a list of Guiding Principles for the project, and a comparison of the topics covered in the original Strategy and that proposed for the 2025 version, and a proposed list of participating stakeholders. At the June 27, 2017 RMCP Committee meeting, staff presented the scope of work proposed for consultant DNV GL.

At the October 17, 2018 Committee meeting, staff shared a rough draft of the organizing framework and received comments back from the Committee. Since the October meeting, staff has held two additional stakeholder meetings, and consultant, DNV GL, has completed a first full draft of the new San Mateo County Energy and Water Strategy 2025 document. The 41-page document is available for review on the C/CAG RMCP website.

This month, staff will update the Committee on the draft document and proposed next steps for circulating the document for comment and revision, and eventual adoption by the C/CAG Board, the County Board of Supervisors, government agencies in San Mateo County.

ATTACHMENTS

Link: San Mateo County Energy and Water Strategy 2025 Document: [SMCE&WS 2025 Draft](#)

C/CAG AGENDA REPORT

Date: January 16, 2019
To: Resource Management and Climate Protection Committee
From: John Sarter, Program Manager, Clean Coalition
Subject: 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 the grid

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

RECOMMENDATION

Receive a 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 the grid.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Smart Grid is a term that describes using communication technologies to carry out either communicated or programmed responses to changes in local grid conditions or usage. Historically, electricity generation was at local power plants and came straight to the residential or commercial use site. This simple one-direction usage is becoming a thing of the past.

New technologies, including smart appliances, energy storage (including EV), and utility grid control systems can benefit the grid by communicating with each other. A Smart Meter, which almost all of us have on our homes, is one example. The ability of the utility to understand customer usage through Smart Meters, improves their ability to provide service to the home during grid events. If you add a system that can shut down non-critical electricity use in a home, the home becomes capable of participating in Demand Response, which means lowering energy use when demand on the grid is already high, to improve reliability.

John Sarter, Program Manager at Clean Coalition, has significant experience with newer technologies and their installations. In addition, John is tracking new protocols and technologies soon to be standard in our buildings, and he will provide a presentation to the Committee to help members better understand the opportunities Smart Grid presents to users in San Mateo County.

Staff has provided a link to an article in EPRI Journal as an attachment, which can help explain more about Smart Grid and Internet of Things.

ATTACHMENTS

Link: to EPRI Article: <http://eprijournal.com/can-we-talk/>

C/CAG AGENDA REPORT

Date: January 19, 2019
To: Resource Management and Climate Protection Committee
From: Kim Springer, RMCP Committee Staff
Subject: Update on 2050 Partners, Inc. Job Order Contracting feasibility study and final report

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

RECOMMENDATION

Receive an update on 2050 Partners, Inc. Job Order Contracting feasibility study and final document.

FISCAL IMPACT

Funding for the feasibility study, in the amount of \$35,000, was paid for from PG&E Local Government Partnership implementation funds.

BACKGROUND/DISCUSSION

The process of implementing energy efficiency measure at local government sites, requires a multi-step process that, depending on the project scope, can take between six months and two years to complete. Job Order Contracting (JOC) is a method that can greatly reduce the time to move from specifications to installation by streamlining the contracting process. JOC involves establishing a list of contracting services, such as installing lighting fixtures or replacing heating and air conditioning systems, into a book of services that multiple contractors can bid on all at once, and in advance of the need for services. Staff contracted with 2050 Partners, Inc. to study the feasibility of local governments leveraging JOC, and how a regional JOC serving multiple cities might work.

At the October RMCP Committee meeting, staff shared the scope of work for this fast-moving project and, at the November meeting, staff provided an update on feasibility study progress.

Meetings with cities to assess their interest in JOC were completed by 2050 Partners, and input from additional meetings with JOC contractor stakeholders has been integrated into a final Study report. Staff will provide an update on the completion of the project and the takeaways from the final report.

ATTACHMENTS

Link: Final Job Order Contracting Feasibility Study Report: [Final JOC Feasibility Study Report](#)

C/CAG AGENDA REPORT

Date: January 16, 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.

February 20	August 21
March 20	September 18
April 17	October 16
May 15	November 20
June 26*	December 19
July 17	January 15, 2020

ATTACHMENTS

None