

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*

RMCP Committee Meeting Minutes

November 20, 2019

In Attendance:

Maryann Moise Derwin, Committee Chair, Mayor Portola Valley*
Doug Silverstein, Non-Profit Seat*
Adrienne Carr, Committee Vice-Chair, BAWSCA*
Janet Borgens, Councilmember, Redwood City*
Christine Zaugg, Sustainable San Mateo County*
Rick DeGolia, Councilmember, Town of Atherton*

Sandy Wong, Director, C/CAG
Kim Springer, County OOS
John Allan, County OOS
Susan Wright, County OOS
John Baker, CPUC
Drew, Resident
Brett Gentry, Start-up Business Mentor
Blake Herrschaft, DNV GL

Not in Attendance:

Don Horsley, County Supervisor*
Ortensia Lopez, El Concilio San Mateo County*
Drew Combs, Councilmember, Menlo Park*
Diane Papan, Councilmember, San Mateo*
Bill Chiang, PG&E*

1. Introductions
2. Public Comment
 - a. None
3. Approval of August 21, 2019 and October 16, 2019 RMCP Committee meeting minutes
 - a. No quorum to approve minutes
4. Review and approval of RMCP Committee meeting dates for CY 2020 and set next meeting date
 - a. No quorum to approve meeting dates
5. Update on RICAPS 2030 template document enhancements – Kim Springer
 - a. Springer provided an update on RICAPS technical assistance including an overview of the history and funding. RICAPS is looking to update the CAP template to better reflect trends in Climate Action Plans as the cities look to complete their 2030 CAPs. Existing language around climate policies is outdated. Considered updates to the template

include streamlining measures, prioritizing measures that are comprehensive and result in deep savings, designing KPIs, considering carbon sequestration, including consumption-based inventories, developing a process for public participation, integrating adaptation, regional collaboration, and promoting equity.

- i. Janet Borgens: Clarifying question on time-of-use
 1. Springer: Answer
 2. Rick DeGolia: Clarifying answer
 - a. Explanation of the difference between GHG-Free Electricity and Renewable Energy
 - b. Springer provided an overview of the feedback received from cities including which cities are working are 2030 CAPs, what their timelines/targets are, if they're looking at a carbon neutrality goal, what resources they're using to complete their CAPs, whether they're planning on using the RICAPS template, and if they're considering a climate emergency declaration similar to the county.
 - c. Christine Zaugg – Is there a more formal follow-up to this survey?
 - i. Springer - We can share template language and follow-up
6. Presentation on solar and battery cost and efficiency trends
- a. Blake Herrschaft of DNV GL presented on trends in solar and storage technologies. This included an overview and how efficiency has improved overtime for solar panels (14% to 23% from 1985 to present). There are no efficiency gains anticipated that would prevent people from buying now.
 - i. Zaugg – What is the solar payback right now?
 1. Herrschaft – extremely variable but 8-13 years on average
 2. DeGolia – It's not just rates that affects this, it's the structure as well (Peak period)
 - b. Additional information was presented on how costs of solar energy has declined over the past decade.
 - i. DeGolia – We (PCE) buy at .25/watt, why is this so much less than the 1.06 for utility solar
 1. Herrschaft – you're most likely thinking about \$/kWh which the next chart shows at much lower.
 - c. Storage trends are also rapidly changing. Storage is going to be a large piece of the puzzle to decarbonize our energy systems but other mechanical systems such as compressed air and pumped hydro will be needed. For storage, energy density is improving and will likely double between 2010 and 2030. Costs of energy storage have dropped 85% since 2010 and expected to drop another 50% by 2026. The main driver of these cost reductions is related to EVs. Stationary storage is a small part of the total. Battery storage systems in general are still going down in price
 - i. Borgens – What is the recyclability of lithium batteries?
 1. Silverstein – Approximately 90%
 2. DeGolia– Car batteries can still be used for other purposes
 3. Drew – What is the timeline for degrading of car batteries?
 - a. A lot of variables can affect this. No clear answer.

remove emissions. There are existing technologies that can help this, but new technologies take years develop and scale. Startups have challenges related customer discovery, piloting and funding.

- b. Gentry asked for initial thoughts on public-private partnerships and posed a few suggestions how local governments can promote startups here in San Mateo County. For example, a startup that packs used EV batteries into shipping containers.
 - c. Discussion revolved around how many of the items that come in front of the RMCP committee are based on technologies that were cleantech startups years ago. The consideration of carbon sequestration is already happening in some capacity. Some committee members are interested in bringing this back to their cities for further discussion.
8. BAWSCA Update – Adrienne Carr
- a. 2019 upcountry snowpack was 75% above long-term median
 - b. Reservoir storages - we're at 87.8% which is above average of 79.4
 - c. Silverstein – Question about water bank
 - i. Carr explains the Don Pedro reservoir is a bank where the water is not cannot be accessed by BAWSCA agencies but can be traded with other agencies to buy more access to Hetch Hetchy water.
 - d. Precipitation forecast isn't looking very good with almost no rain so far and little in the coming months.
 - e. Carr announced that she is leaving BAWSCA and will be the new general manager of North Coast County Water District. Nicole Sandkulla will likely stand in.
9. Announcements
- a. Zaugg – Key Indicators Program, and Request for Nominations for Sustainability Awards, Reach Code Recognition Awards, and PCE EV Discounts
 - b. Silverstein – Working with SMCOE to find agencies that would like to host summer interns
10. Next Scheduled Meeting Date:
- a. TBD, December 18th meeting to be cancelled