

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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Minutes

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, January 15, 2020

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

Location: 455 County Center – 2nd Floor, 201 Conference Room (across from Elevator)

Attendance:

Maryann Moise Derwin*
Doug Silverstein*
Christine Zaugg*
Rick DeGolia*
Donna Colson*
Diane Papan*
Janet Borgens*
Adam Zelezen
Adrienne Etherton
Kim Springer
Sandy Wong
John Allan

Not in attendance:

Don Horsley*
Ortensia Lopez*
Drew Combs*
Bill Chiang*

1. Introductions
2. Public Comment
None
3. Approval of Minutes from August 21, 2019, October 16, 2019, and November 20, 2019
RMCP Committee meetings
August - Papan motion to approve, Colson 2nd
October – Colson motion to approve, DeGolia 2nd
November – Papan motion to approve, DeGolia 2nd
4. Review and approval of RMCP Committee meeting dates for calendar year 2020
Meeting Date - Papan motion to approve, Zaugg 2nd

5. Update on RICAPS 2030 template document and San Mateo County Energy Strategy 2025

John Allan presented a brief update on the current status of the Energy & Water Strategy. Updates included next steps for 2020 and describing how additional feedback will be received.

- Rick DeGolia would like a hard copy. Strategy will be distributed to elected officials through the Clerk.

Kim Springer provided an update on the CAP template. Specific details planned for the update include an outreach component, integration of equity and opportunity and a connection to adaptation. Consumption based inventories were considered but ultimately excluded from the template based on feedback from stakeholders and technical feasibility.

The update will finish draft in Feb 2020 and will go through copy edit in March 2020 with a final version ready for late spring 2020.

- DeGolia - What is the general process for a CAP update? How often?
 - Springer - Most jurisdictions are looking to 2030 for their next update which somewhat aligns with state goals. Includes baseline, inventory, goals and actions.
- Donna Colson– How we can use this if we just recently updated our CAP?
 - Springer - If you current CAP is to 2030, you probably wouldn't use it now.
- Diane Papan– Should we look at per capita emissions?
 - You could.
- Doug Silverstein– Do we know where all the jurisdictions are in the CAP update process?
 - Springer - We surveyed the cities and have a record of some 13 cities that are interested in CAP updates to 2030 at future dates.
- 40% below 1990 is the goal – are there incentives to go beyond that? 40% is not aggressive enough.
 - Colson - We need to make sure that our goals are attainable. The state should lead this.
 - DeGolia – PCE and others are in a better position to provide incentives or spur action on this front
 - Adrienne Etherton– As a city, we looked at our measures realistically and made sure that we chose to include was achievable.

6. Presentation on City of Brisbane Building Energy Program and ordinance

Adrienne Etherton provided an update on the Brisbane Building Efficiency Program. The presentations discussed the benefits of energy efficiency and how benchmarking fits into the picture and drives energy efficiency projects through awareness and access to additional data. Etherton described the concepts of benchmarking, auditing and retro commissioning in the context of energy efficiency.

This program was made possible by the passage of AB802 which requires building owners to benchmark and report their building efficiency. Other jurisdictions are already doing this including San Francisco, Berkeley and San Jose.

Etherton provided an explanation of why the commercial sector was targeted and how significant the impact of the program can be. This included an analysis of how they

selected a threshold of 10K square feet and specific types of buildings. Stakeholder engagement was key and included several workshops, webinars, 1 on 1 meetings with private sector, and committee presentations.

The presentation (which will be posted on the C/CAG RMCP website) included an explanation of the compliance pathways and timeline of when benchmarking is reported and how additional efficiency requirements are met. Next steps include implementation of requirements, monitoring and process improvement and sharing best practices and a toolkit with other cities.

7. Presentation on Stanford University - Codiga Resource Recover Center testing of Fluence sanitary sewer wastewater treatment system, results and potential applications in San Mateo County

Ronan Barkan with Fluence Corporation provided background on Fluence and their product offerings which focuses on water treatment and has approx. 350 employees working on over 7,000 installations in over 70 countries. This presentation focuses on MABR technology (Membrane Arrayed Biofilm Reactor) which treats raw wastewater. This process generates clean effluent and biosolid sludge. 80% of treatment cost comes from the biological process and Fluence focuses on making this process more efficient. The MABR technology uses less than 6% of the energy required for surface aerators and 14% of energy used in today's fine bubble diffusers. The technology uses a material that is semipermeable membrane sandwiching round a structure to add volume. The material is wound onto rolls that make up a "module" which is inserted into wastewater where it begins the oxygenation process.

Barkan described the test lab at the Stanford University Codiga Resource Recovery Center and how Fluence was able to test their technology and successfully achieve Title 22 Turbidity Standards despite the particularly concentrated influent present at Stanford.

Barken went into detail on the technology but ran out of time to discuss applications. He will be invited back to a future meeting to discuss.

8. Committee Member Updates
None

9. Next Scheduled Meeting Date: February 19, 2020

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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:

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