

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*

Resource Management and Climate Protection Committee (RMCP)

Minutes of September 20, 2017 Meeting

In Attendance:

Beth Bhatnagar, SSMC Board Member*
Deborah Gordon, Committee Chair, Woodside Town Council*
Ortensia Lopez, El Concilio of San Mateo County*
Maryann Moise Derwin, Committee Vice Chair, Mayor Portola Valley*
Dave Pine, County Supervisor*
Rick DeGolia, Town of Atherton*
Diane Papan, Councilmember, San Mateo*
Adrienne Carr, BAWSCA*
Bill Chiang, PG&E*
Kim Springer, County Office of Sustainability
Dan Lieberman, PCE (presenter)
Dave Weil (presenter by phone)
Andrea Chow, County Office of Sustainability
Michael Barber, Supervisor Pine's Office

Not in attendance:

Pradeep Gupta, South San Francisco City Council*
Don Horsley, County Supervisor*
Robert Cormia, Professor Foothill-DeAnza*

* Committee Member (voting)

1. Introductions
2. Public Comment
3. Approval of Minutes from August 16, 2017 meeting
(Kim Springer – Committee Staff) Action

The minutes were approved.

4. Presentation by Peninsula Clean Energy, San Mateo County's community choice aggregation program agency

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.

(Dan Lieberman, PCE)

Presentation, Discussion

Dan Lieberman, PCE, made a presentation on PCE and Community Choice Aggregation.

PCE is basically an electricity procurement agency. Customers continue to rely on PG&E for infrastructure and service issues, PCE simply purchases the electricity. PCE provide electricity for approximately 90% of customers in San Mateo County.

PCE's goal is to provide cleaner and cheaper electricity of SMC customers. There are two options for electricity: ECOPlus and ECO100. For a penny more per kWh, a customer can get ECO100. Customers get one bill from PG&E and the PCE charges are on there.

PCE can compete with PG&E because they are a nonprofit with a very low overhead. Staff costs are loaded into the rates. Prices for renewable energy are very low at this time, so it makes it easy to compete with PGE by cost and level of renewables. 13 cities have opted up to ECO100 for their municipal energy, and one city, Portola Valley, opted to ECO100 for their community.

The program has been surpassing its renewable goals and building staffing, and providing outreach in multiple languages. PCE's regular product is approximately 10% more GHG-free than the PG&E product.

The presentation has been posted on the C/CAG RMCP website.

5. Review and provide input on proposed guidelines, with comments, for a San Mateo County Energy Watch, capacity-building Call for Projects

(Kim Springer, County staff)

Presentation, Comment

Kim Springer explained that there is a surplus of implementation funding in the SMCEW budget as the program moves through the second year of the three-year cycle. Kim gave an overview of the SMCEW Municipal Energy Efficiency Call for Projects, which is a new effort to use these excess funds and engage member agencies in prioritizing EE projects at their facilities. The program intends to provide "progress" payments in two tiers: completing audits and committing funding, and installing and completing the project by the end of CY 2018. The committee provided comments on the proposed guidelines, which will be incorporated into the guidelines presented for review to the C/CAG Board.

6. Presentation on University of California, San Diego's campus-wide microgrid

(Dave Weil, UC San Diego)

Presentation, Discussion

Dave Weil, Director of Campus Sustainability and Carbon Neutrality at UC San Diego Campus made a presentation on their energy and microgrid systems

UC San Diego plans to be carbon neutral by 2025. All new buildings are built to LEED standards and ZNE or near ZNE where possible.

The microgrid program is a very important piece in the campus resiliency efforts, but there has been a huge effort on energy efficiency first, including lighting, reducing air changes, etc. The campus has about 900 labs on site. The campus has multiple integrated sources of energy, cogen and "district" sources and systems. They are also running a pilot using surplus BMW car batteries for

energy storage, and storage capacitors to balance instantaneous voltage needs. They have a reservoir of chilled water, which they chill at night to reduce energy use and cost for district cooling. They use EV batteries and charging stations with two-way communication to leverage vehicle batteries for storage and energy use.

The fact that they have a microgrid, allows them to pilot and improve existing and new energy generation, storage, and balancing systems. It also allows them to manage their energy and especially costs.

The presentation has been posted on the C/CAG RMCP website.

7. Presentation on Governor Brown's September 2018 Global Climate Action Summit
(Kim Springer, County staff) Presentation, Discussion

Kim Springer made a short presentation on the 2018 Global Climate Action Summit planned for September 2018, seeking Committee direction on how to proceed.

Deborah Gordon has been following this opportunity and suggested that we organize some sort of presentation on the great climate work we are doing in San Mateo County. It was suggested that we could host an event on the margins of this event.

The Committee was asked to send any ideas to Kim for future discussion. Kim also showed the event website to the Committee.

8. Committee Member Updates

Adrienne Carr: The State effort to Make Water Conservation a Way of Life is starting to come to the forefront in CA. BAWSCA is supporting its agencies on reporting for this initiative. BAWSCA is also help agencies work on commercial sites and scope efforts for conservation.

Sandy Wong: The C/CAG Water Committee met and is planning a Water Summit for early 2018.

9. Next Regular Meeting Date: October 18, 2017