

# 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*

### RMCP Committee Meeting Minutes

October 16, 2019

#### In Attendance:

Janet Borgens\*  
Ortensia Lopez\*  
Maryann Moise Derwin\*  
Adrienne Carr\*  
Doug Silverstein\*  
Donna Colson\*  
Kim Springer, OOS  
Danielle Lee, OOS  
Susan Wright, OOS  
John Allan, OOS  
Jim Eggemeyer, OOS  
John Sarter, Clean Coalition  
Negin Ashoori – BAWSCA  
Carol Stanfield, Sierra Club Loma Prieta Chapter  
Tom Francis – Water Conservation Manager BAWSCA  
Drew, Public

#### Not in Attendance:

Don Horsley\*  
Drew Combs\*  
Rick DeGolia\*  
Diane Papan\*  
Bill Chiang\*  
Christine Zaugg\*

1. Introductions
2. Public Comment
  - a. **Carol Stanfield**– Water resilience plan input process – Looking for input from stakeholder on how to be more resilient. Sierra Club, Loma Prieta Chapter is working with national organizations.
3. Approval of Minutes from August 21, 2019 RMCP Committee meeting
  - a. No quorum - Continued
4. Presentation on RICAPS template and tools updates – Susan Wright

**Susan Wright** provided background on the RICAPS program including the program history, purpose and tools. Recent updates include updated CAP templates, electrification measures funded by PCE, and GHG Inventories. Newer work is focusing on an updated CAP template as well as regional approaches to Climate action planning in partnership with BayREN. Previous funders of RICAPS include PG&E, C/CAG and BAAQMD.

Cap 2.0: This new template is looking at deeper systemic changes that streamline measures and include flexibility to accommodate technological advances. Other considerations include consumption-based inventories, equity and resilience.

Factors affecting the update are new state and local goals/policies, especially the San Mateo County Climate Emergency Declaration. Targets include a minimum 40% reduction by 2030 but other cities can be more aggressive. Other pieces that may be included are carbon sequestration, landfill measures and adaptation/resilience measures. This approach would also consider common KPIs that will allow jurisdictions to be compared more readily.

Stakeholder engagement of Template includes leveraging community groups, engaging businesses and act as a convener to bring stakeholders together. Formatting will also be updated to maximize accessibility.

**Kim Springer** Clarified that the template is being modernized to address current issues and think regionally on the problems we all counties are concerned with. Cities will still take this and make their own changes to the template to fit their individual city needs.

**Silverstein:** 5 cities have finished CAP updates through 2030 and many are using consultants. It may be more important for cities to work with consultants than use this set of tools.

**Susan Wright**– the cities that have reached out are in need of support and have planned to use the RICAPS tools.

**Stanfield**– A template is worthwhile, but we need to identify specific implementation pathways.

**Drew** – Many areas in climate action are ignored due to siloes – for example traffic signals can be optimized which can result in GHG reductions – As a homeowner, water vs. energy can be siloed as well. A lot of these systems should be more integrated.

**Ortensia Lopez** – How will equity be further integrated? Low income and DAC absolutely must be a part of the solution

**Wright** – We haven't specifically identified but it will be baked in to the entire template

**Silverstein**– We also need to think about green jobs and how they will or can play a role in this sector

**Donna Colson** – How do we consider the circular economy, for example, the lifecycle of solar panels or working conditions for factory workers outside of the country

**Wright** – This is exactly what the consumption-based inventory starts to consider

**Silverstein** – There are many reports that look at this exact lifecycle analysis

**Wright** – This is something we'll definitely want to acknowledge in the template.

**Colson** – How can new technologies help decarbonize? Ie: AR/VR allowing for increased telecommuting

5. Presentation by Clean Coalition on economic and resilience opportunities implementing microgrid, and new technologies – John Sarter, Clean Coalition - **after Item 7**

**John Sarter** provided an overview the process to establish a community microgrid in Calistoga, which includes a feasibility assessment including solar siting, planning and engineering including economic and technical analysis, and RFP/Project completion. The Calistoga solar siting survey identified over 25MW of space for solar, and identified two schools, a grocery store, WWTP, fire station and fairgrounds. Stakeholder engagement included business, city council and facility managers.

Another project, the Goleta Load Pocket, and area served by 1 transmission line is highly vulnerable. The project includes 200 MW of solar and 400 MWh, which will provide 100% protection against mass outage

Community microgrids are cheaper than developing new gas peaker plants. The Montecito community microgrid overview is 10% of load 100% of time, 100% of load at least 25% of the time.

John provided an overview of a new, Vehicle to X (Building or Grid), Canadian company DCBEL which will soon be selling a V2B solar inverter and bidirectional EV charger. This will allow EVs to, essentially, act as backup generators

**Colson** – Can these technologies can help with load shaping?

**Sarter** – Yes, absolutely. Not quite ready for commercial use though. Launching early next year, won multiple awards with over 200 patents

**Wright**– Does the payback calculation include peak shaving?

**Sarter** - Yes, as well as equipment replacement

**Stanfield** – How does one get started with a microgrid?

**Sarter** – Hire consultant and look at rebates/incentives.

**Stanfield** – but how do we figure where to site even before that?

**Sarter** – Generally, places of refuge, energy storage costs are coming down

**Stanfield** – How does Clean coalition get involved?

**Sarter** – Responding to RFPs

6. Presentation on solar cost and efficiency trends – Blake Herrschaft – DNV GL

- a. **Item removed and moved to next meeting**

7. BAWSCA water conservation programs update – Tom Francis **After Item 8**

Tom Francis provided and overview of new BAWSCA water conservation programs:

QWEL Qualified Water Efficient Landscape Training, which is a program to train professionals on water efficiency. It is a 20-hour (3 day) course including field work, taught in English or Spanish and provides a certificate after passing exam – listed on WaterSense website

There is also a new, Regional Smart Controller Program, which is a rebate program for installation of smart irrigation controllers. For agencies, this is a subscription-based program implemented in partnership with Regional Water Authority. It provides an overview of smart irrigation controllers – controllable, wireless. More details to come.

Tom also reminded the Committee of existing programs:

- Lawn be gone revamp
- High efficiency toilet program, which is ending, after the end of the year

Tom also shared that there are new Water Use Efficiency Standards, tied to AB 1668 and SB 606, making water conservation a California way of life. BAWSCA is looking to get ahead of these requirements through their Conservation Strategic Plan

Other efforts:

- Baseline Assessment of agency capabilities
- Implementation of water loss Management Program
- Commercial/Industrial customer self-audit pilot program
- Residential Indoor/Outdoor water use study

BAWSCA completing Demand Study to project demands and conservation savings through 2045.

**Stanfield** – CalWater has been resistant to Sierra Club efforts. Has BAWSCA considered adopting SFPUC programs? For example, SF has time of sale audit and retrofit requirements or onsite reuse requirements

**Francis** – Our challenge is that we aren't the utility or city, most of these programs are up to the city to develop or implement

**Stanfield** – It would be great if BAWSCA served as a model for their member agencies

**Janet Borgens** – Really important to know how many people are living in a home due to the current housing crisis with multiple families living in the same unit.

**Colson** – We're expecting significant increases in density, how will new state requirements affect this?

**Francis** – It's per capita for residential and commercial is still being figured out.

**Borgens** – Recycled water is playing a big part of this in Redwood City

**Maryann Derwin** – Is QWEL training happening now?

**Francis** – Will happen early spring 2020. Location TBD based on member agencies.

**Drew** – Consideration of silos again. These water conservation programs and greywater programs could benefit from integration

**Drew** – Lawn begone program, I'm penalized because I let my lawn die responsibly

**Stanfield** – Greywater system programs are already working around the state

8. Committee Member Updates - **after Item 4**
  - a. **Colson** – SeaChange Burlingame Meeting, FSLRRD has been approved,
  - b. **Doug Silverstein** – CEC Burlingame event to Save Water Energy and Money
  - c.
9. Next Scheduled Meeting – November 20th