

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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Resource Management and Climate Protection Committee (RMCP)

Minutes of June 28, 2017 Meeting

In Attendance:

Beth Bhatnagar, SSMC Board Member*
Deborah Gordon, Committee Chair, Woodside Town Council*
Ortensia Lopez, El Concilio of San Mateo County*
Pradeep Gupta, South San Francisco City Council*
Sally Cody, VIP-Public
Diane Papan, Councilmember, San Mateo*
Michael Barber, Supervisor Pine's Office
Kim Springer, County Office of Sustainability
Lisa Schmidt, HomeIntel

Not in attendance:

Don Horsley, County Supervisor*
Maryann Moise Derwin, Committee Vice Chair, Mayor Portola Valley*
Dave Pine, County Supervisor*
Robert Cormia, Professor Foothill-DeAnza*
Bill Chiang, PG&E*
Rick DeGolia, Town of Atherton*

* Committee Member (voting)

1. Introductions
2. Public Comment
3. Approval of Minutes from February 15, and March 15, 2017 meetings
(Kim Springer – Committee Staff) Action
4. Presentation on SHARC Energy Systems, Piranha thermal energy recovery system
(Lynn Mueller, SHARC) Presentation, Discussion

This item was postponed to future meeting due to challenges with phone access from Canada.

5. DNV GL presentation on international study, “Energy Transitions: Mid-sized Cities Leading the Way”

(Betty Seto – DNV GL)

Presentation, Discussion

Betty Seto delivered a presentation on the DNV GL subject study,

This was a study that undertaken by multiple DNV GL offices in various countries of the world. Betty Seto was selected to work on the study because she is the city lead at DNV GL, and it’s more acknowledged than ever, the role that cities are playing worldwide on climate and energy.

The focus was on medium-size cities, as opposed to large cities, such as Rome, since there is a lot of information on large cities, but less recognition of the role that smaller cities can play.

The presentation is posted on the C/CAG RMCP website, and Betty went over the presentation and the “dimensions” covered in the study.

Barber: How are you defining resiliency?

Seto: Resiliency is more like long-term planned preparedness, where adaptation is defined as more reactive in the study.

Gupta: There is a great deal of planning going on at ABAG to look at ways to, before, during, and after an earthquake, to be more resilient, so I am glad that you brought that up.

Gordon: There is very little consideration of many issues around electrical systems, usually. It’s more about reducing hazards.

The writing of the study is still in process. DNV GL will provide copy of the study when completed.

Ortensia: What is the definition of a mid-sized city?

Seto: The definition of this was a difficult decision, since in some places in the world, such as China, a small city would be a million people. So the definition is more a “non-mega” city definition.

Gordon: I would have expected the European cities to be at least at the same level as CA?

Seto: There might be some CA bias, so we are going to go back to the European cities to verify that their data is accurate.

6. Presentation on State Energy Efficiency Collaborative (SEEC) Forum

(Kim Springer, County OOS Staff)

Presentation, Discussion

Kim Springer gave a presentation on the State Energy Efficiency Collaborative Forum, which was earlier in June, delaying the current RMCP meeting.

The focus of the workshop this year was more on successful implementation than it was on climate planning, as was in the past. There was also a lot of discussion on how we get to the 2030 and 2050 goals of the State of California. There was also a lot of discussion on electrification of transportation, building and water heating.

The presentation is available on the C/CAG RMCP website.

7. Presentation on new PG&E-supported HomeIntel residential home energy reduction program
(Lisa Schmidt, Home Energy Analytics) Presentation, Discussion

Lisa Schmidt gave a presentation on the HomeIntel program.

Unlike the pay for performance programs available to PG&E customers, this is a new program that pays the vendor based on long-term, measured outcomes. HomeIntel is a residential program that leverages Smart meters installed at basically every home in the PG&E territory. This program was developed specifically as a pay for performance based on what's possible to measure as true savings at the Smart meter.

Gordon: Do you have to be a PG&E purchase customer, not PCE in order to participate?

Schmidt: No, this is any customer who pays a public goods charge, which is PG&E or PCE.

Ortensia: Does this include Gas, or only electric?

Schmidt: This includes gas and electric, and HomeIntel is paid out based on BTU, and this is for all customers, low income or not.

The Home Energy Analytics software quickly identifies the quickest opportunities to save energy. The goal is to get the feedback of savings back to the customer quickly, as a motivator. The software separates the baseload, intermittent loads, recurring loads (such as pool pumps), and seasonal loads.

It takes a customer about 10 minutes to complete the sign up process, and are then provided an analysis, and personal follow up by phone and in the home.

This is a pilot and Lisa is asking for the committee to get the word out about this new program. In order to participate, you have to get a MyData account with PG&E.

Gupta: I understand the mechanics, but what are the saving opportunities?

Schmidt: It's usually odd things that homeowners aren't aware of, like cooling fans, appliances that are old, need for smart strips, etc. It's usually things that don't affect a lifestyle.

Gupta: Is it then focusing mainly on the behavior change approaches?

Schmidt: Yes, but customers can also do retrofits and see savings, which benefit the program.

Gordon: Do customer still get rebates?

Schmidt: No, the customer sees cost reduction from savings only.

Gordon: When a customer signs up, how long are they in the program?

Schmidt: We monitor their data for five years.

Gordon: So how safe is the data? Can you tell when someone is not home?

Schmidt: The data is delayed two days, so it's not really that useful, and there is a really secure server that the data is on, either PG&E's or Amazon's.

The presentation will be posted on the C/CAG RMCP website.

Prior to committee updates, and after item #5, there was a discussion about microgrids and balance of energy supply to the grid. Pradeep gave insight to the discussion by sharing his tour of the UC San Diego campus-wide microgrid, where the campus is generating a high percentage of its electricity, and has integrated a system for district heating and cooling, cogen, renewable and battery storage, including from vehicles being charged on campus. As a result, they have one electricity and one natural gas connection, the rest of the infrastructure being within the campus.

8. Committee Member Updates

9. Next Regular Meeting Date: July 19, 2017