

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*

Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, April 20, 2016

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

Location: 155 Bovet Rd – Ground Floor Conference Room
San Mateo, CA 94402

1. Introductions
2. Public Comment
3. Approval of Minutes from March 16, 2016 meeting
(Kim Springer – Committee Staff) Action
4. Update on Current Water Supply and Drought Conditions
(Adrienne Carr – Committee Member) Information, Discussion
5. Presentation on Israel water conservation and reuse, and the Israel – California Green-Tech Partnership
(Ashleigh Talberth – @GreenTECH) Information, Discussi
6. Presentation on Nexus Water residential grey water system
(Bob Hitchner – CSMO Nexus Water) Information, Discussion
7. Committee Member Updates
8. Next Regular Meeting Date: May 18, 2016

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RESOURCE MANAGEMENT AND CLIMATE PROTECTION TASK FORCE
Minutes from the March 16, 2016 Meeting

In attendance:

Bryan Chen, Sustainable San Mateo County
Adrienne Carr, BAWSCA*
Rick DeGolia, Town of Atherton*
Maryann Moise Derwin, Committee Vice Chair, Portola Valley Town Council*
Deborah Gordon, Committee Chair, Woodside Town Council*
Pradeep Gupta, South San Francisco City Council*
Bill Chiang, PG&E*
Diane Papan, Councilmember, San Mateo*
Kim Springer, County of San Mateo RecycleWorks (staff)
Andy Jain, County of San Mateo, DPW
Jim Eggemeyer, County Office of Sustainability
Gloria Samayoa, El Concilio
Debbie Kranefus, Ecology Action
Kirsten Pringle, County Office of Sustainability
Johnathan Whelan, PG&E
Ortensia Lopez, El Concilio
Jacki Falconio, County Office of Sustainability
Rachel Londer, County Office of Sustainability

Not in attendance:

Don Horsley, County Supervisor*
Dave Pine, County Supervisor*
Robert Cormia, Professor Foothill-DeAnza*
Beth Bhatnagar, SSMC Board Member*

*=Committee Member (voting)

1) Introductions

Attendees introduced themselves and their organizations.

2) Public Comment

There was no public comment.

3) Approval of Minutes

The minutes from the February 17, 2016 meeting were approved. (Degolia/Gupta)

4) Update on outcome of C/CAG Board decision on composition of RMCP committee and update of committee roster

Kim Springer reported that the C/CAG Board approved two committee member changes, Bill

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.

Chiang for Kathy Lavezzo (utility seat) and Adrienne Carr for Nicole Sankula (water seat). Kim also reported that the C/CAG Board approved the consolidation of three committee seats (small business, large business, and chamber of commerce, into one seat called “business/chamber of commerce”.

5) Update on Current Water Supply and Drought Conditions

Adrienne Carr reported that February precipitation was significant and that water conservation in the county was still tracking at about 27%. Adrienne also reported that the snow pack was better than in previous years but still not expected to be up to normal.

Gupta: What is the message we should be telling constituents?

Carr: Use water wisely.

Papan: When looking at water supply, do we consider water supply as SFPUC and BAWSCA?

Carr: Yes.

Gupta: Current conservation will continue, but will the State look at the current conservation level as a new baseline?

Carr: We hope not

Gordon: I attended an Israel water conference, and Israel looks at water as a more precious commodity.

Papan: Do we plan to do more local capture of water?

Carr: The county is looking at it as a way to recharge existing aquifers. It’s harder to implement rain water capture, but it may be possible via Green Streets efforts.

Gordon: Green Streets is a good idea but use of funds tends to prevent cross coordination of the program with water supply. The tour of Silicon Valley Advanced Clean Water in Santa Clara County was also mentioned.

Papan: There is a WWTP in Seattle, WA called Bright Water that is also advanced.

Andy Jain: Water rates are climbing and will they continue to?

Carr: SF rate went up about 30% but it’s based on previous years, so it’s hard to predict, but it will probably level out to single digits.

Chiang: PG&E has a desalination plant in San Luis Obispo and we might be able to arrange a tour if anyone is interested.

Gupta: We should be looking at more permanent solutions for El Nino vs. non-El Nino years.

Gordon: Perhaps a next topic could be the Israel – California effort and maybe the same should be presented to the C/CAG Board as a whole? Kim should talk to Sandy about this.

Carr: There is interest around grey water policy and installations, in San Luis Obispo for instance.

Derwin: Portola Valley is also doing this.

Gordon: Purple pipe can be an issue.

Carr: Future water supply can come from greywater recycling in the home.

6) Presentation on Renewable Energy Self-Generation Bill Credit Transfer (RES BCT) program for local governments and universities

Johnathan Whelan from Optony presented on Optony and the RES BCT program.

Solar Roadmap is an Optony program to help residents to procure solar more easily. Please look up the road map and consider signing up. Optony also does collaborative procurement support for public agencies.

RES BCT is authorized by legislature in 2009 (AB 2466) and is a way for local governments to produce renewable energy at a local site and wheel the energy to another account site. Not all sites are good for solar, but where there are good sites with low energy use, the power there can be used at other sites that aren't good candidates.

Gordon: This is the legislation that we were working on to get into place.

Whelan: Yes, and the legislation has been updated several times to help improve it, but it's still a challenging fit to leverage. There are currently 9 public agencies that are leveraging RES BCT, representing about 14 MWatts and there are about another 14 MWatts in development, with plenty of room for more projects before the cap on production is met as set by the legislation.

Gupta: This is for credit for the local government, not to sell to their community, is that correct?

Whelan: Correct. That's what sets it aside for other programs such as CCE or other solar programs.

Jain: Can multiple local government jointly set up a site and share the generation?

Whelan: No, that's not how it works. Once city, two or more accounts of that city.

Gordon: Is this all based on the time of energy, generation.

Whelan: Yes, and this is part of the challenge of making sure the installation is feasible. The value of the solar is based on the time of use that the generating account is on. There is a big difference on the time of use. All the energy costs are based on the various components of the bundled rate; generation only.

Part of what you want to do is to maximize the generation side by having the right rate schedule and use the energy in perhaps another rate schedule.

7) Presentation on multiple energy efficiency programs serving customer sectors across San Mateo County

The following five presenter explained the programs in operation in San Mateo County:

Debbie Kranefuss – Ecology Action
Jacki Falconio – San Mateo County Energy Watch
Rachel Londer – BayREN
Ortensia Lopez – MIDI and other low income programs
Kim Springer – other 3rd party PG&E programs

8) Committee Member Updates

None.

9) Next Regular Meeting Date: November 18, 2015

Attachments:

Presentation from this meeting have been posted on the C/CAG RMCP website.

C/CAG AGENDA REPORT

Date: April 20, 2016
To: Resource Management and Climate Protection Committee
From: Adrienne Carr, BAWSCA, RMCP Committee Member
Subject: Update on Current Water Supply and Drought Conditions
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive an update on current water supply and drought conditions.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

California's historic drought has not ended, so the Bay Area Water Supply and Conservation Agency (BAWSCA), which represents the 26 wholesale customers of the San Francisco Regional Water System, is working with its member agencies to track water use, ongoing drought conditions, and progress towards mandatory water use reduction goals.

BAWSCA staff has been providing short updates of water supply conditions, monthly, to the RCMP Committee. The most recent update was at the March 2016 meeting. BAWSCA staff will provide an update again at this meeting on the current water supply outlook, conservation performance, and other topics.

Adrienne Carr, Senior Water Resources Specialist, will provide an update on current water supply and drought conditions.

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: April 20, 2016
To: Resource Management and Climate Protection Committee
From: Ashleigh Talberth, CEO, @GreenTECH
Subject: Presentation on Israel water conservation and reuse, and the Israel – California Green-Tech Partnership

(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive a presentation on Israel water conservation and reuse, and the Israel – California Green-Tech Partnership

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

On March 4, 2014, the Governor of California and Prime Minister of Israel signed a memorandum of understanding for a strategic partnership and cooperation on innovation between California and Israel. On July 22, 2015 California State Senate passed a concurrent resolution (SCR-25), linked as an attachment to this staff report, supporting the MOU.

Over the past several months, a number of events have been held to share innovation and new pathways to market for technologies to address California's drought. The Israel- California Green-Tech partnership and the Los Angeles Cleantech Incubator recently launched a new joint venture to introduce 10 Israeli companies in water, energy and agricultural technologies to the California market, an effort that was announced and endorsed by the Whitehouse last month.

Ashleigh Talberth, CEO of @GreenTech, will make a presentation on the efforts to date of the Israel-California Greentech Partnership and, along with other guest speakers, will provide examples of some of the technologies either available or in development that could greatly change how water is treated and used locally. Some of the companies we expect to hear about are: Emefcy Bioenergy Systems, and Epic Cleantec.

ATTACHMENTS

http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160SCR25

C/CAG AGENDA REPORT

Date: April 20, 2016
To: Resource Management and Climate Protection Committee
From: Bob Hitchner, CSMO, Nexus eWater
Subject: Presentation on Nexus Water residential grey water system
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive a presentation on Nexus eWater residential grey water system.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Typical homes in the State of California have water systems that use water and drain it to municipal sewer system for treatment at a wastewater treatment plant. Water used for cleaning (shower and laundry) accounts for about half of residential water use.

Nexus eWater has developed and is already installing their greywater recycling systems in new residential housing project called River Islands in Lathrop, CA. Nexus eWater is out of Australia, a country that has had to address water use issues through a millennial drought. The company is now headquartered in San Diego.

Bob Hitchner, Chief Sales and Marketing Officer of Nexus eWater, will share the technology, its application, and a newly adopted codes that recognize greywater systems in the International Plumbing Code, which can help shape local and State plumbing codes.

ATTACHMENTS

<http://www.nexusewater.com/>