

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, January 17, 2018

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

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

1. Introductions
2. Public Comment
3. Approval of Minutes from September 20, 2017 Committee meeting
(Kim Springer – Committee Staff) Action
4. Review and approve RMCP meeting dates for calendar year 2018
(Kim Springer – Committee Staff) Action
5. Update on the San Mateo County Energy Watch, Municipal Energy Efficiency Call for Projects
(Andrea Chow, County staff) Presentation
6. Bay Area Water Supply and Conservation Agency update on current water supply and
conservation (Adrienne Carr, BAWSCA) Presentation, Discussion
7. Update on 2017 San Mateo County Energy Watch Program outcomes.
(Kim Springer, County staff) Presentation, Discussion
8. Presentation on 2018 program year efforts for next San Mateo County Energy Watch Program
cycle, 2019
Presentation, Discussion
9. Committee Member Updates
10. Tentative Next Meeting Date: February 21, 2018 or March 21, 2018

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.

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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

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(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

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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

C/CAG AGENDA REPORT

Date: January 17, 2018
To: Resource Management and Climate Protection Committee
From: Kim Springer, Committee Staff
Subject: Review and approval of RMCP meeting dates for calendar year 2018
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Review and approve RMCP meeting dates for calendar year 2018

FISCAL IMPACT

None

SOURCE OF FUNDS

Funding for the RMCP Committee comes from C/CAG Congestion Relief Funds.

BACKGROUND/DISCUSSION

At the change of each calendar year, the Committee reviews and approves the meeting dates for the following calendar year.

The RMCP Committee will continue to meet on third Wednesdays from 2:00 to 4:00 p.m., provided staff has sufficient business to conduct at the meeting. Staff may cancel a meeting or shift a meeting date with notice to the committee and the public. Meetings will continue to be held at the 155 Bovet Rd., San Mateo location for 2018 unless the ground-floor meeting room is unavailable, in which case the meeting will most likely be held at County Center in Redwood City.

The following dates are the potential meeting dates for the RMCP Committee in 2018. Some Committee members have suggested meeting every other month (underlined) in 2018. The Committee will review and approve the dates for 2018. Once approved, staff will update the C/CAG RMCP Website and provide Committee members appropriate calendar appointments.

February 21	August 15
<u>March 21</u>	<u>September 19</u>
April 18	October 17
<u>May 16</u>	<u>November 21</u>
June 20	December 19
<u>July 18</u>	

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: January 17, 2018
To: Resource Management and Climate Protection Committee
From: Kim Springer, County staff to RMCP Committee
Subject: Update on the San Mateo County Energy Watch, Municipal Energy Efficiency Call for Projects

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

RECOMMENDATION

Receive an update on the San Mateo County Energy Watch, Municipal Energy Efficiency Call for Projects.

FISCAL IMPACT

Up to \$480,000 paid for by funding under the C/CAG – PG&E Local Government Partnership (LGP) agreement.

BACKGROUND/DISCUSSION

At the September 20, 2017 RMCP Committee meeting, staff presented draft guidelines for a Municipal Energy Efficiency Call for Projects under the San Mateo County Energy Watch Program. Committee members provided input, which was used to finalize guidelines for review by the C/CAG Board. The C/CAG Board approved the final guidelines at the October 12, 2017 meeting. The guidelines for the Call for Projects is attached.

Staff received proposals from 12 member agencies, which are under review and grant contracts are pending. Staff will provide a short presentation of the types of projects proposed by cities and the timeline for this effort.

ATTACHMENT

Municipal Energy Efficiency Call for Projects Guidelines



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Funding Guidelines for the San Mateo County Energy Watch (SMCEW) Municipal Energy Efficiency Call for Projects

Background

The City/County Association of Governments of San Mateo County (C/CAG) is a joint powers agency whose members are the County and the 20 cities and towns in San Mateo County. Its primary role is a Congestion Management Agency, but it also administers the San Mateo County Energy Watch (SMCEW), a PG&E ratepayer-funded program that provides no-cost energy audits, benchmarking, and climate action planning services. As part of the SMCEW program, the Municipal Energy Efficiency Call for Projects is funded by California utility customers and administered by PG&E under the auspices of the California Public Utilities Commission (CPUC). C/CAG contracts with County of San Mateo Office of Sustainability to administer the program.

Project Goals

The goal of the Municipal Energy Efficiency Call for Projects is to support local governments (cities, towns, and the County) in San Mateo County in the identification and implementation of energy efficiency projects at their facilities. The Municipal Energy Efficiency Call for Projects is intended to fund local government staff time spent on activities related to energy efficiency project implementation. There are two tiers of funding available to jurisdictions. The first tier is for jurisdictions that identify an energy efficiency project and demonstrate commitment to complete that project, but the project completion date is beyond 2018 calendar year. The second tier is for jurisdictions that successfully identify and complete an energy efficiency project within the 2018 calendar year. See the Funding Details section for more information.

Eligible Applicants

Only local governments (cities, towns, and County) in San Mateo County are eligible applicants for funding through the Call for Projects.

Eligible Projects

Projects should demonstrate a reasonable commitment to the implementation of energy efficiency retrofits at the jurisdiction's facilities. Eligible energy efficiency projects may include interior or exterior lighting, HVAC, controls, and other measures which will generate CPUC-approved¹ energy savings for the local government, and which can be supported through an existing PG&E energy efficiency program. The grant funding must be in support of energy efficiency that is tied to a facility upgrade (e.g., lighting or HVAC) or facility program (e.g., retro-commissioning). The grant cannot fund renewable energy projects (e.g., solar or electric vehicle charging stations). The Municipal Energy Efficiency Call for Projects will encourage multiple measures in a building or

¹ CPUC ratepayer programs are funded through a public goods charge collected by the investor-owned utility (IOU) programs on customer bills. Both SMCEW and this grant program are funded by California utility customers and administered by PG&E under the auspices of the CPUC. PG&E supports a range of CPUC-approved energy efficiency programs aimed at promoting increased and persistent energy savings in local government facilities.

buildings, as is already encouraged through our Comprehensive Energy Recommendations efforts.

Eligible Activities

Grants will fund local government staff (including consultant staff) work on energy efficiency project implementation. Local governments should leverage the SMCEW program and the no-cost services available for energy efficiency work. The SMCEW program is available to support local governments throughout a comprehensive energy recommendation process and/or direct install implementation. The SMCEW team will meet with local government staff to help identify the greatest energy saving opportunities. Guided by local government staff, an SMCEW engineer will audit selected facilities and then present findings to key staff. Furthermore, the SMCEW team can assist staff in preparing bid documents, contractor procurement, and applications for incentives and loans.

The goal of this Municipal Energy Efficiency Call for Projects is to fund local government staff work with SMCEW and to leverage the no-cost services stated above. Grants will fund local government staff work on the facility audit, audit findings review meetings, analyzing financing options, presentations to the City or Town Council, developing or reviewing provided equipment specifications, procuring contractors, and more. This grant is focused on the “soft costs” of energy efficiency project implementation and cannot fund the hard costs (i.e., equipment).

Funding Details

There is up to \$400,000 in Implementation funds in the SMCEW program budget for the Municipal Energy Efficiency Call for Projects. Local governments may be awarded a maximum of \$50,000 and are limited to submitting one application per jurisdiction. The grant contract will be between the local government and C/CAG. Grant funds will be awarded as milestones are completed.

Local governments will need to reach project milestones to receive “progress payments” of grant funds. There are two tiers of funding available to jurisdictions. The first tier is for jurisdictions that identify an energy efficiency project and demonstrate commitment to complete that project, but the project completion date is beyond 2018 calendar year. The second tier is for jurisdictions that successfully identify and complete an energy efficiency project within the 2018 calendar year. See the Funding Details section for more information. Jurisdictions are eligible for both progress payments if they are able to achieve both milestones.

Tier	Milestone	Progress Payment
Tier 1	Identification of and commitment to complete an energy efficiency project by December 31, 2018 (e.g., approval by City Council or City Manager). To meet this milestone, agencies do not have to complete the project by December 31, 2018.	\$20,000
Tier 2	Completion of energy efficiency project by December 31, 2018.	\$30,000

Timely Use of Funds

Progress payments will be made as milestones are met. If a milestone is not met funding for that tier will be forfeited. Final invoices for eligible reimbursement must be submitted by December 31, 2018.

Required Application Elements

- Local government agency name, address, point of contact
- Names and position titles of responsible staff
- Inventory of proposed project locations, including location, square footage, and potential energy saving measures
- Energy audit results/analysis (if applicable)
- Previous energy efficiency retrofits completed through PG&E incentive programs for the identified locations (if applicable)
- Estimate of capital investment available to complete projects
- Interest in pursuing PG&E's 0% On-Bill Financing program (https://www.pge.com/en_US/business/save-energy-money/financing/energy-efficiency-financing/energy-efficiency-financing.page), or other financing programs.

Evaluation Criteria

Evaluation Criteria	Description	Max Points
Proposed Project	Project identifies key opportunities at facilities for energy efficiency work.	40
Project Timeline	Preliminary project timeline, is realistic for project scope, and fits within grant deadline.	30
Funding	Application demonstrates identification of appropriate staff, capital funding, and/or willingness to leverage PG&E's On-Bill Financing program.	30
Total		100

Application Submission

Applicants should submit electronic copies of the completed application along with any supporting documents by December 15, 2017. A workshop for prospective applicants will be held on November 6, 2017 at 2:00pm in the San Carlos City Hall (Enterprise Room).

Please submit applications to:

Andrea Chow

achow@smcgov.org

Tentative Schedule for SMCEW Municipal Energy Efficiency Call for Projects

Event	Date
Call for Projects Issued	October 20, 2017
Application Workshop	November 6, 2017 at 2:00pm San Carlos City Hall (Enterprise Room)
Applications Due	December 15, 2017
Evaluation Panel Review	December 2017
C/CAG Board Approves Evaluation Results	January 2017
Execute Funding Agreements with Project Sponsors for Awarded Projects	By March 1, 2018
Final Reimbursement Requests Due	December 31, 2018

For any questions regarding the program or application process, please contact Andrea Chow at achow@smcgov.org or 650-363-4125.

C/CAG AGENDA REPORT

Date: January 17, 2018
To: Resource Management and Climate Protection Committee
From: Adrienne Carr, BAWSCA, RMCP Committee Member
Subject: Bay Area Water Supply and Conservation Agency update on current water supply and conservation
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive an update on current water supply and recent State actions.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

The Bay Area Water Supply and Conservation Agency (BAWSCA), which represents the 26 wholesale customers of the San Francisco Regional Water System, continues to work with its member agencies to use water wisely and plan for future water supply reliability.

BAWSCA staff has been providing short updates of water supply conditions to the RCMP Committee. The most recent update was at the September 20, 2017 meeting. Adrienne Carr, Senior Water Resources Specialist, will provide an update again at this meeting on the current conditions.

ATTACHMENTS

None

C/CAG AGENDA REPORT

Date: January 17, 2018
To: Resource Management and Climate Protection Committee
From: Kim Springer, County staff to RMCP Committee
Subject: Update on 2017 San Mateo County Energy Watch Program outcomes.
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive an update on 2017 San Mateo County Energy Watch Program (SMCEW) outcomes.

FISCAL IMPACT

None. SMCEW program staff costs are paid for by funding under the C/CAG – PG&E Local Government Partnership (LGP) agreement.

BACKGROUND/DISCUSSION

The SMCEW Program is currently in a three-year program cycle; calendar years 2016-2018. Past program cycle contracts have included set goals with PG&E for energy-savings outcomes (kW, kWh, and Therms). For this program cycle, the contract does not specify exact energy-savings goals, however, PG&E has suggested we use past (2015) savings goals, since the current program cycle funding, annualized, is consistent with past years.

Program cycle to date (through end of November 2017), the following energy-savings results have been achieved.

kW

	Cumulative kW (up to November 2017)	Program Cycle Goals (2016-2019)	% of Goal
Overall (DI + Calculated + Streetlights)	882 kW	1405 kW	62.8%
DI	782 kW	1129 kW	69.3%
Calculated + Streetlights	100 kW	276 kW	36.3%

kWh

	Cumulative kWh (up to November 2017)	Program Cycle Goals (2016-2019)	% of Goal
Overall (DI + Calculated + Streetlights)	5,636,305 kWh	7,402,865 kWh	76.1%
DI	4,668,025 kWh	6,160,946 kWh	75.8%
Calculated + Streetlights	968,280 kWh	1,241,919 kWh	78%

In addition, the program, through November 2017, is trending at -3,163 Therms. The goal for Therms is to remain neutral in the face of interactive effects caused by indoor lighting, so negative Therms means we are above goal.

Staff will review these and other 2017 program outcomes with the Committee.

ATTACHMENT

None

C/CAG AGENDA REPORT

Date: January 17, 2018
To: Resource Management and Climate Protection Committee
From: Kim Springer, County staff to RMCP Committee
Subject: Presentation on 2018 program year efforts for next San Mateo County Energy Watch Program cycle, 2019

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

RECOMMENDATION

Receive a presentation on 2018 program year efforts for next San Mateo County Energy Watch (SMCEW) Program cycle, 2019.

FISCAL IMPACT

None. SMCEW program staff costs are paid for by funding under the C/CAG – PG&E Local Government Partnership (LGP) agreement.

BACKGROUND/DISCUSSION

The SMCEW Program is funded from Public Goods Funds, via a contract under the auspices of the California Public Utilities Commission for energy efficiency efforts in San Mateo County. Ratepayers contribute to that fund through monthly PG&E energy bills. The California Public Utilities Commission (CPUC) oversees the allocation of energy efficiency funds for program implementation to each of the four investor-owned utilities in California: Pacific Gas & Electric, Southern California Edison, Southern California Gas Company, and San Diego Gas & Electric. Working with Program Administrators (PAs), including PG&E, the CPUC develops contracts specifying the funding amount, eligibility for the funding, saving goals, and scope of work.

For the last few years, the CPUC has been engaging with existing and potential new PAs to develop new programs and select PAs for a new ten-year rolling program cycle, which may start calendar year 2019. This is being referred to as the Business Plan process. Through the process, the CPUC has decided to separate out Local Government Programs (LGPs) as a distinct “Public” program. They have also designated 60% of the funding be competitively bid to “third party” providers, which means that PG&E and other IOUs will have to go out to bid for programs for that portion of the funding.

These changes will affect both the funding and structure of the SMCEW Local Government Partnership Program. Staff will provide a short overview of these potential changes. Many questions still exist, however, the SMCEW staff will use calendar year 2018 to prepare for the new program cycle, 2019.

ATTACHMENT

None.