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Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Wednesday, March 19, 2014 **Time:** 2:00 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 February 19, 2013 (Susan Wright)

Action

4. Review of Proposed RMCP Committee Progress Report (Kim Springer)

Discussion

- 5. Presentation on Current Water Supply Conditions and Drought Messaging (Adrianne Carr, BAWSCA) Information, Discussion
- 6. Update on the San Mateo County Energy Watch program (continued from February 2014)
 (Susan Wright) Information, Direction
- 7. Discussion about an Approach to Local Sea Level Rise challenges in San Mateo County.

 (Dave Pine, Michael Barber) Information, Discussion
- 8. Presentation on Governor's Office of Planning and Research Environmental Goals and Policy Report Update

(Kim Springer)

Information, Discussion

- 9. Committee Member Updates
- 10. Next Regular Meeting Date: April 16, 2014

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RESOURCE MANAGEMENT AND CLIMATE PROTECTION TASK FORCE Minutes from the 2-19-2014 Meeting

In attendance:

Adrianne Carr, BAWSCA

Bob Cormia, Foothill De Anza Community College

Rick DeGolia, Town of Atherton

Adrienne Etherton, Sustainable San Mateo County

Cathy Fogel, CPUC (by phone)

Stephen Francis, Assemblymember Perea's office (by phone)

Deborah Gordon, Committee Chair, Woodside Town Council*

Pradeep Gupta, South San Francisco City Council*

Kathy Lavezzo, PG&E

Susan McCue, City of South San Francisco

Maryann Moise Derwin, Committee Vice Chair, Portola Valley Town Council*

Alex Palantzas, San Mateo County Hispanic Chamber of Commerce

Barbara Pierce, Redwood City Council*

Dave Pine, San Mateo County Board of Supervisors

Kim Springer, County of San Mateo RecycleWorks (staff)

Gauri Vilash, Student at Foothill College

Sandy Wong, C/CAG

Susan Wright, County of San Mateo RecycleWorks (staff)

Not in attendance:

Beth Bhatnagar, Sustainable San Mateo County

Michael Barber, Supervisor Pine's office

Sapna Dixit, PG&E

Jorge Jaramillo, San Mateo County Hispanic Chamber of Commerce

Debbie Kranefuss, Ecology Action

Erica Kudyba, Climate Corps Bay Area fellow for San Mateo County Energy Watch

Nicole Sandkulla, BAWSCA

Eric Sevim, A+ Japanese Auto Repair

*=elected official member

1) Introductions

Attendees introduced themselves and their organizations.

2) **Public Comment**

There was no public comment.

3) Approval of Minutes

The minutes from the November 20, 2013 meeting were approved.

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.

4) Presentation on California Public Utility Commission Strategic Plan for Residential Zero Net Energy in 2020 (Cathy Fogel, CPUC – by phone)

Cathy Fogel gave a presentation about zero net energy (ZNE) strategy. The following additional points were made:

- The definition of ZNE is that renewables need to be on site.
- The study Technical Feasibility of ZNE Buildings in California doesn't explore cost effectiveness.
- The chart on page 10 of the presentation is in increments of 9,000 gigawatts, which is the equivalent of three 500 megawatt power plants avoided.
- "ZNE ready" means the building is highly energy efficient, but there is no space for renewables on site.
- A feed-in tariff and/or net metering approach will be considered during the Net Energy Metering proceeding.
- SB43 is about community solar, and could allow the source of renewable energy to be offsite if it's a dedicated purchase. AB327 provides a fixed charge for meters in California.

Pradeep Gupta commented that as more customers have renewables, there will be more cost for energy from the grid. There needs to be more thinking about rate making, especially doing this as the market is driven.

Deborah Gordon commented that we keep looking at discrete problems to be overcome. Work needs to be done to redesign the whole energy system. PG&E needs to reinvent how it does business. Kim Springer commented that an alternative utility business model has been a topic at the CPUC. There was recently a CPUC meeting with the investor-owned utilities on this topic. http://www.cpuc.ca.gov/PUC/Oct_8_2013_En_Banc_The_Business_Model_for_the_Electric_Utility_of_the_Future.htm

Susan Wright commented that research shows that daylighting in buildings increases productivity. (http://www.nrel.gov/docs/fy02osti/30769.pdf)

5) Update on the San Mateo County Energy Watch program (Susan Wright)

Susan Wright gave an update about assistance being provided to schools to help them use Prop 39 funds for energy efficiency retrofits and behavior change programming. SMC Energy Watch and the facilities director of the San Mateo County Office of Education are meeting with individual school districts to help them access no-cost audits (CEC's Bright Schools program and SMC Energy Watch's turnkey lighting program) and get into contract with a service provider to assist with audits and implementation.

Susan described the lunch SMC Energy Watch hosted for real estate professionals. The group discussed ways to collaborate to drive demand for energy efficiency homes. Cara Bautista updated the group about Energy Upgrade's single family and multi-family programs. Lisa Schmidt of Home Energy Analytics gave a presentation about their online home energy assessment tool. Realtors would like to have this free service for their clients. Realtors see education as the primary driver of energy efficiency. They are interested in receiving local, relevant, data-driven information about home energy strategies that they can pass along to clients. Realtors can help SMC Energy Watch and the Energy Upgrade program get in front of real estate group meetings to give presentations.

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There wasn't time to give an update about the community outreach events, which was continued to the next RMCP meeting.

6) Presentation on AB 327 (Perea) Net Energy Metering Legislation (Stephen Francis, Perea's office – by phone)

Stephen Francis from Assemblymember Perea's office in Fresno updated the group about AB327, which passed in October 2013. He made these points:

- Perea sees rates as geographic penalties. The goal of the law is to make the rate structure more flexible. It aims to incentivize energy efficiency but not penalize higher energy users. The rate structures are now being negotiated at the PUC.
- The law reforms net energy metering issues, the CARE program, and the Renewable Portfolio Standard (RPS). It clarifies that the 33% RPS standard is a floor, not a ceiling. The law eliminates the limitation of the size of a renewable system. It allows for a fixed charge, but there doesn't have to be one.
- Net Energy Metering (NEM) allows customers to feed extra energy to the grid (meters run backward). The program has expired. The maximum is 5% of total energy. The law clarifies certain megawatts caps for each utility. Above that, it's optional, and utilities can decide if customers get credit for energy going back into the grid. The law provides certainty for investors the number of years that energy can be fed back into the grid.
- NEM 2.0 is a program that will be designed by the end of 2015. Contracts won't need to be offered until the 5% cap is reached, or 2017. At that point, the new NEM 2.0 contracts will be offered to customers. Utilities can't require this until 2018. For now, they must opt in.

Bob Cormia commented that the timing of AB327 seems in contrast to ZNE goals. Deborah Gordon commented that she is concerned that the law is a lot of individual things put together that don't make sense in the aggregate. She wondered if this has been modeled. Stephen Francis explained that AB327 is broadly supported, including by utilities and environmental justice groups. It is an improvement from the status quo.

Pradeep Gupta asked what will happen to convince new solar customers to sign on, since solar customers are given a cost-benefit analysis based on net metering benefits? Stephen explained that everyone who signs a contract before the 5% is reached gets to keep their agreement; those afterward won't get that. NEM 2.0 won't have that same design flaw. It will give more certainty for long-term calculations.

7) Presentation on Regional and Local Sea Level Rise Challenges in San Mateo County (Dave Pine)

Supervisor Pine gave a presentation about sea level rise, and mentioned these points:

- At the sea level convening in December, John Englander recommended planning for sea level rise of three feet.
- A lot of tech companies will be affected by sea level rise, since their headquarters are close to the bay.
- At 55 inches of sea level rise, 40% of property will be at risk in San Mateo County.
- Healthy wetlands are important as they provide a natural defense. Horizontal levees are being considered wherever feasible. A test site will be near Facebook headquarters in Menlo Park.
- The airport has been armoring for decades. They are wrapping up a \$600,000 study about vulnerability to sea level rise.

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- The County got a grant for \$200,000 from the Coastal Conservancy to study options for San Bruno Creek and Colma Creek near the San Francisco airport. It will involve six jurisdictions.
- Cities formed a San Francisquito Creek JPA after severe flooding in 1998 and members are currently working on a number of projects related to the Creek.
- Because the City of San Mateo has areas of high flood risk, they formed an assessment district to strengthen their levees. This reduced their flood zone, and reduced high insurance rates.
- A county-wide parcel tax measure is being considered for the November ballot.
- Supervisor Pine would like to convene a working group/collaborative. It will need staff support. The group could look at models of countywide collaboration. The goal is to get city managers and elected officials informed about sea level rise. We need to be well positioned to get federal funding.

Rick DeGolia commented that once we get everyone's attention by talking about 55 inches of sea level rise, we need to show them what one foot will look like.

Pradeep Gupta commented that we need to have a clear understanding of how all this impacts housing, roads, etc. He wondered if there is a document where each sector is evaluated. We need one coordinated assessment.

This item will be continued at the next meeting so committee members can provide feedback to Supervisor Pine.

8) Committee Member Updates

Adrianne Carr gave an update about the drought. She will give a more detailed update at the next meeting.

Adrienne Etherton commented that Sustainable San Mateo County's Indicator's Report has new elements that will be helpful. The Indicator's Report launch is Thursday, March 19.

Pradeep Gupta suggested that some sort of reporting structure be established to serve as a history of accomplishments and source of background for future new committee members.

Bob Cormia mentioned that the "program review" process works well in academia.

Additional Comments:

Attendee Gauri Vilash commented that students are interested in getting involved. She pointed out the importance of explaining things in simple terms that everyone can understand.

9) Next Regular Meeting Date – March 19 @ 2pm at BAWSCA, 155 Bovet Road, Suite 650, San Mateo

Topics to cover:

- Sea level rise
- Water supply update

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.

- Community outreach campaigns
- Program progress report process/template

Attachments:

None.

Date: March 19, 2014

To: Resource Management and Climate Protection Committee

From: Kim Springer, County Staff to C/CAG

Subject: Review of Proposed RMCP Committee Progress Report

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

RECOMMENDATION

Review a proposed RMCP Committee progress report template to be used for 2013 and future annual progress reports.

FISCAL IMPACT

\$50,000 annually for staffing of the RMCP Committee.

SOURCE OF FUNDS

Staffing of the RMCP Committee is contracted to the County of San Mateo, Department of Public Works and comes from Congestion Relief funds.

BACKGROUND/DISCUSSION

At the February 19, 2014 RMCP Committee meeting, committee member Pradeep Gupta suggested that some sort of reporting structure should be established. It should provide an overview of projects overseen by the RMCP Committee, a historical record of work completed with progress to date, next steps and goals, and a source of material for new committee members to understand the scope of work by the committee.

Staff has developed a template for a progress report that takes these elements into consideration and filled out one section of the template for review by the Committee. The template is provided as an attachment to this staff report. Staff would like input from the committee before completing the 2013 progress review.

ATTACHMENTS

Proposed Progress Report Template

City and County Association of Governments Resource Management & Climate Protection Committee 2013 Progress Review

The Resource Management and Climate Protection Committee (RMCP) is a group of elected officials, representatives of energy and water utilities, business and nonprofits. Originally called the Utilities Sustainability Task Force (USTF), it developed a San Mateo County Energy Strategy for the county, which was adopted by every city in San Mateo County in 2009.

The RMCP Committee provides information and recommendations to CMEQ and the C/CAG Board on items related to resource conservation and climate action. The RMCP Committee has two main programs for which staff regularly track and report on progress. These are:

- The San Mateo County Energy Watch (SMCEW) program, which began in 2008 and focuses on providing energy efficiency implementation resources, mainly to local governments in San Mateo County for their government operations. The program also includes resources for nonprofits and specific commercial and residential sectors.
- The Regionally Integrated Climate Action Planning Suite (RICAPS) project was launched in 2008 with co-funding from the Bay Area Air Quality Management District, Climate Protection Grant, and C/CAG. Additional funding has been available from PG&E through the SMCEW program budget.

The project is a suite of tools to significantly reduce the cost of developing climate action plans, by creating: a plan document template, a "menu" of emission reduction measures – each with a worksheet that includes calculation, coefficients and a cost-benefit analysis, a cloud-based software tool for tracking resource use and associated emissions, and technical assistance to cities to help them along the process.

The project included coordination of a City Working Group, which meets monthly to: receive presentations from state and local government stakeholders, collaborate on countywide emission reduction initiatives, and support cities still working on completing climate action plans.

The following additional main topic areas represent the work the RMCP Committee and include key activities either:

- Not yet started
- Underway but "stalled"

- Underway ()
- Completed. O

Energy:

- 1. San Mateo County Energy Watch: O
 - achieving XX kWh or xx% of its energy-saving goal based on a straight line to the final goal through the 2013-2014 program cycle of xx kWh. Of project completed:
 - o xx kWh streetlights
 - o xx kWh middle income direct install (MIDI)
 - xx kWh government buildings
 - completed the year with a pipeline of projects equating to xx kWh towards it 2013-2014 program cycle goal.

Next Steps and/or Goals:

- Continue driving comprehensive packages of projects to achieve deep energy savings for each city or commercial entity.
- Continue looking for opportunities that add value in the form of greater energy savings, greater customer satisfaction or reduced cost to the customer.
- Surpass 2013-2014 energy savings goal in order to (potentially) receive additional funding from PG&E for additional energy savings.
- Continue to
- 2. RICAPS Working Group

Water:

- 1. San Mateo County Energy Watch
- 2. RICAPS Working Group

Policy:

- RICAPS staff
- 2. San Mateo County Energy Watch

Programs:

- 1. San Mateo County Energy Watch
 - a. Goal Completion
 - b. Contracting
- 2. RICAPS
 - a. Climate Action Plan completion

- b. Suite of Tools (expansion)
- c. Emissions Inventories

Funding:

- 1. Additional Grants
- 2. Tracking of Future Funding Opportunities

Date: March 19, 2014

To: Resource Management and Climate Protection Committee

From: Kim Springer, County Staff to C/CAG

Subject: Presentation on Current Water Supply Conditions and Drought Messaging

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

RECOMMENDATION

Receive a presentation on current water supply conditions and drought messaging in San Mateo County.

FISCAL IMPACT

None

SOURCE OF FUNDS

Most all SMCEW program staff costs and expenses are paid for by funding under the C/CAG – PG&E Local Government Partnership (LGP) agreement. Additional matching funds, specifically for transportation-related Climate Action Planning efforts, come from Congestion Relief Funds.

BACKGROUND/DISCUSSION

Adrianne Carr gave a short update of conditions related to the current drought as a committee update at the February 2014 RMCP Committee meeting and offered to give a more formal update to the Committee at a following meeting.

With ongoing dry conditions throughout California, the San Francisco Public Utilities Commission (SFPUC) continues to request a 10% voluntary water use reductions from all customers of the Hetch Hetchy Regional Water System. The Bay Area Water Supply and Conservation Agency (BAWSCA), which represents the 26 wholesale customers of the Hetch Hetchy Regional Water System, is working with its member agencies to achieve the 10% reduction goal.

Adrianne Carr, Senior Water Resource Specialist with BAWSCA, will be give a presentation on the current water supply outlook, conservation efforts and tips.

ATTACHMENTS

None

Date: March 19, 2014

To: Resource Management and Climate Protection Committee

From: Kim Springer, Susan Wright, County Staff to C/CAG

Subject: Update on the San Mateo County Energy Watch program (continued from

February 2014)

(For further information contact Kim Springer at 650-599-1412 or Susan Wright

at 650-599-1403.)

RECOMMENDATION

Receive an informational update on San Mateo County Energy Watch Program and give direction.

FISCAL IMPACT

\$840,000 over the 2013-2014 current (two-year) program cycle.

SOURCE OF FUNDS

Most all SMCEW program staff costs and expenses are paid for by funding under the C/CAG – PG&E Local Government Partnership (LGP) agreement. Additional matching funds, specifically for transportation-related Climate Action Planning efforts, come from Congestion Relief Funds.

BACKGROUND/DISCUSSION

San Mateo County Energy Watch is a local government partnership between C/CAG and Pacific Gas and Electric Company (PG&E). This program is managed and staffed by RecycleWorks, a program of the County of San Mateo. Other program partners include Ecology Action for "turnkey" lighting and refrigeration projects, and El Concilio of San Mateo County for installation of energy and comfort improvements for moderate-income residential customers. The two-year program cycle is running from January 1, 2013 through December 31, 2014.

Community Outreach Campaigns (THIS TOPIC IS CONTINUED)

At the December meeting of the RICAPS (Regionally Integrated Climate Action Planning Suite) multi-city working group, Town of Colma gave a presentation about their recent outreach event for auto dealerships. The Town identified this business type as one with great opportunity to save energy on electricity bills because of the lighting load. This has a significant impact on the Town's greenhouse gas reduction efforts. The Town hosted a breakfast meeting for auto dealers to let them know about PG&E's RightLights lighting retrofitting program and how it can save the businesses money on utility bills. The mayor and another council member expressed their support for energy efficiency efforts at the event.

Staff from other cities were impressed with how successful the event was, and are interested in collaborating with each other and SMC Energy Watch on similar outreach events targeting specific commercial sectors. The attached document, San Mateo County Energy Watch -2014

Campaign Planning" shows PG&E's recommendations for sectors to target and a list of best practices for community outreach campaigns.

Staff would appreciate feedback from the RMCP Committee on how to approach elected officials to ask for help to drive demand for energy efficiency services during countywide outreach campaigns.

ATTACHMENTS

1. San Mateo County Energy Watch - 2014 Campaign Planning

San Mateo County 2014 Campaign Planning RICAPS Meeting - January, 2014

Subsector	Cities	Types of customers
Real Estate	Foster City	Office parks
	Burlingame	Realty offices
	Menlo Park	Real estate groups
	San Mateo	
	South San Francisco	
	Redwood City	
Food Services and Drinking	Colma	Fast Food Restaurants
Places	East Palo Alto	Coffee shops
	Foster City	Restaurants
	Burlingame	
	Millbrae	
	Pacifica	
	San Mateo	
	South San Francisco	
	Menlo Park	
	Woodside	
	Belmont	
Food and Beverage Stores	East Palo Alto	Groceries
	Pacifica	Liquor stores
	South San Francisco	
	Redwood City	
	Woodside	
	Belmont	
Educational Services	East Palo Alto	Public Schools
	Hillsborough	Catholic Schools
	Pacifica	Dance, swimming, martial arts school
	Redwood City	
	Millbrae	
	Belmont	
Personal and Laundry	Colma	Laundromats
Services	Redwood City	Salons
		Dry Cleaners
Professional, Scientific, and	Menlo Park	Bio Tech Companies
Technical Services	Burlingame	Pharmaceutical companies
Accommodation	Burlingame	Hotels
	Millbrae	
	South San Francisco	

Community leadership:

Local governments leading their communities to support clean energy goals

Factors in a successful community campaign:

- 1. At least one influential (politically-connected) champion
- 2. Political will within the community for some aspect of the initiative (could be environmentally driven, could be economic)
- 3. Savvy staff with enough time to work on EE/GHGs
- 4. Actual EE opportunity
- 5. Knowledge of the community as to where the opportunity might be
- 6. Data from the utility on where the opportunity might be
- 7. Education and awareness within the community to increase receptiveness
- 8. Utility and other programs to provide audits, technical assistance, etc.
- 9. CBOs and/or utility staff to work with residents and business owners, and internally on strategy and outreach

Date: March 19, 2014

To: Resource Management and Climate Protection Committee

From: Kim Springer

Subject: Discussion about an Approach to Local Sea Level Rise challenges in San Mateo

County.

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

RECOMMENDATION

Participate in a discussion about an approach to addressing seal level rise in San Mateo County.

FISCAL IMPACT

\$50,000 annually for staffing of the RMCP Committee.

SOURCE OF FUNDS

Staffing of the RMCP Committee is contracted to the County of San Mateo, Department of Public Works and comes from Congestion Relief funds.

BACKGROUND/DISCUSSION

At the last RMCP meeting, Supervisor Dave Pine made a presentation on the how SLR will affect San Mateo County. Among other topics, he reviewed current projections for sea level rise in the SF Bay and what they mean for San Mateo County, various policy responses such as levee construction, marsh restoration and land use changes, and regional planning efforts that are now underway to address the issue.

Supervisor Pine asked that we agendize a discussion of how to engage policy makers in an ongoing dialogue to plan for sea level rise in San Mateo County. Supervisor Pine envisions forming a collaborative or working group of some kind for this purpose. Among other questions, Supervisor Pine would like the RMCP's input on the following:

- 1. Who should be part of the working group/collaborative?
- 2. What specific tasks would the working group/collaborative take on?
- 3. How do we ensure that the working group/collaborative adds value and is of benefit to the participants and their organizations?
- 4. How would the working group/collaborative be staffed and funded?
- 5. What might the working group/collaborative do to engage the broader community in a dialogue about sea level rise in San Mateo County?
- 6. What models of countywide collaboration have been successful?

ATTACHMENT

None

Date: March 19, 2014

To: Resource Management and Climate Protection Committee

From: Kim Springer

Subject: Presentation on Governor's Office of Planning and Research Environmental

Goals and Policy Report Update

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

RECOMMENDATION

Receive a presentation on Governor's Office of Planning and Research (OPR) Environmental Goals and Policy Report (EGPR) update.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

Assembly Bill (AB) 2070, passed in 1970 created the Governor's Office of Planning and Research (OPR) and called for OPR to prepare and maintain an Environmental Goals and Policy Report (EGPR). The EGPR views California through a 20-30 year perspective and provides a statement of environmental goals and objectives for the state, as a whole. The goals and objectives focus on land use, population growth and distribution, conservation of natural resources and air and water quality. The first EGPR was completed and 1978 (called the Urban Strategy for California) and was the first *and last* EGPR.

The EGPR is in the process of being updated and will provide both strategies and measurements for California through a projected population of 50 million people at approximately 2050. The EGPR is called: California @ 50 Million – California's Climate Future. A link to an early draft of the document is provided as an attachment to this staff report.

Staff attended a meeting to discuss the goals and possible metrics for those goals and will provide an overview of the discussion. The Committee is encouraged to look at the report and provide staff any feedback the Committee would like forwarded to OPR.

ATTACHMENT

Link to California @ 50 Million: http://www.opr.ca.gov/s ca50m.php