

# 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, August 27, 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 July 16, 2014  
(Susan Wright) Action
4. Update on San Mateo County Sea Level Rise Planning  
(Dave Pine – Committee Member) Information, Discussion
5. Presentation on Development of Community Choice Aggregation  
(Kim Springer – Committee Staff) Information, Discussion  
(Justin Kudo, Marin Clean Energy)
6. Presentation on Local Government Commission, Beacon Award: Local Leadership Solving  
Climate Change Information, Discussion  
(Kim Springer, Susan Wright – Committee Staff)
7. Presentation on 2014 California Adaptation Forum Information, Discussion  
(Kim Springer, Susan Wright – Committee Staff)
8. Update on San Mateo County Energy Watch program Information, Discussion  
(Susan Wright - Committee Staff)
9. Committee Member Updates
10. Next Regular Meeting Date: September 17, 2014

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**RESOURCE MANAGEMENT AND CLIMATE PROTECTION TASK FORCE**  
**Minutes from the 7-22-2014 Meeting**

**In attendance:**

Michael Barber, Supervisor Pine's office  
Beth Bhatnagar, Sustainable San Mateo County  
Adrienne Carr, BAWSCA  
Ed Cooney, CSG Consultants for Town of Hillsborough  
Rick DeGolia, Town of Atherton\*  
Deborah Gordon, Committee Chair, Woodside Town Council\*  
Pradeep Gupta, South San Francisco City Council\*  
Debbie Kranefuss, Ecology Action  
Kathy Lavezzo, PG&E  
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\* (left 15 minutes early)  
Sandy Wong, C/CAG  
Kim Springer, County of San Mateo RecycleWorks (staff)  
Susan Wright, County of San Mateo RecycleWorks (staff)

**Not in attendance:**

Bob Cormia, Foothill De Anza Community College  
Sapna Dixit, PG&E  
Don Horsley, San Mateo County Board of Supervisors\*  
Jorge Jaramillo, San Mateo County Hispanic Chamber of Commerce  
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**

Pradeep Gupta made a motion to approve the minutes of the May 21, 2014 RMCP Committee meeting; Maryann Moise Derwin seconded the motion. The motion passed.

**4) Presentation on Community Choice (CCA) Aggregation Legislation (Kim Springer)**

Kim Springer gave an overview presentation about Community Choice Aggregation (CCA) to see if there is interest in learning more about the topic. If so, more expert speakers can be brought in. The

group may also want to add comment to current legislation. The overview included:

- CCA communities can chose to form an entity to supply power. The communities must file an implementation plan with CPUC for approval, and must advertise and provide customers the opportunity to “opt out”. The public utility must cooperate with the CCA.
- History: The opportunity to form a CCA was established in 2001 with AB 117. CPUC made decisions in 2004 and 2005 related to CCAs. Prop 16 in 2010 would have limited CCAs, but it didn’t pass. The Marin Energy Authority was established in 2012. Clean Power SF was established in 2013. Other cities may join existing CCA’s.
- Current legislation: AB 2145 sought to require customers to opt in rather than opt out, but that clause has been removed. AB 2145 sets requirements on how many communities can join and existing CCA given adjoining boundaries but the current language is not clear.
- CCA is like a buying club – it contracts for enough energy to supply their customers. Palo Alto operates its own municipal utility. They own their own wires, pipes. Different than a CCA but may be able to “supplement” the power mix they provide to their customers.

Considerations discussed by staff and the Committee:

- Are CCAs adding net solar energy or just re-distributing it?
- How does this work with the EPA 111D Clean Power Plan rules? Could it cause instability in power delivery?
- What coordination is necessary as far as the grid and reliability? Who manages that process?
- CCA may be able to benefit some communities, but not others. It depends what type of collective energy is needed. The load factor changes. If you have a suitable load factor, it could be cheaper. If there are a lot of communities that want to share benefits and cost, that adds to the resources.

Next steps:

- The committee would like to hear from Marin Clean Energy. This topic should be on a future agenda.
- Would like to know how 111D EPA requirements work together with CCAs.

**5) Update and Presentation the San Mateo County Energy Watch, Water Benchmarking of San Mateo County K-12 Public Schools (Erica Kudyba)**

Erica Kudyba, Climate Corps Bay Area fellow for SMC Energy Watch, made a presentation on her public schools water benchmarking project. As part of her project, she had to develop a benchmarking formula, since one did not exist. Erica performed domestic water audits on 56 schools, and provided a water use report for six districts.

Erica will present her findings to water agencies on August 6, 2014. The goal is to connect water agencies and schools districts to continue efforts to conserve water.

**6) Update on the San Mateo County Energy Watch, Proposition 39 School Support and Additional PG&E Contract Funding Received (Susan Wright)**

Susan Wright explained that SMCEW is providing guidance to all interested districts, and is providing extra assistance to eight districts identified as particularly in need of additional support. SMCEW has received approval from PG&E \$55,826 in additional funding to build internal technical capacity. SMCEW plans to ramp up staffing for 2016 and beyond as the program adds countywide energy efficiency campaigns and other initiatives.

**7) Presentation on State Energy Efficiency Collaborative (SEEC) Meeting (Susan Wright)**

Susan Wright presented highlights from the SEEC meeting, including regulatory updates, progress on financing options, code compliance efforts, and progress toward climate action goals. The committee discussed the following ideas:

- What will be the mechanism for enforcement of SB407? Normally it's not the building department. What do the realtors think? It will be a written disclosure in the sale.
- California has put restrictions on ourselves, and are on track to reach 2020 goals.
- Grid will move to more automated systems - demand management.
- SMCEW is interested in exploring a ZNE reach code option. Individual jurisdictions have to do it.
- PIER and EPIC grants are looking at technological approaches.
- Zero carbon construction looks at water, transportation, and solid waste impacts.
- PG&E's rebate back in the bill wasn't effective.
- Water fees have to be based on water costs for the system. You have to prove that. You can't pick on one customer class.

**8) Presentation on Survey Results from San Mateo County Cities on Use of Hara Software Tool for the Regionally Integrated Climate Action Planning Program (Kim Springer)**

Working with KEMA on RICAPS. Cities have input GHG inventories into Hara tool. Hara is coming up for renewal Sept. 1, 2014 SMCEW has been researching what cities really want in terms of tracking frequency.

Survey results point to having a municipal inventory every 2 to 3 years instead of every year. SMCEW is planning to get funding to do annual community inventories. That might be provided by BAAQMD – collected regionally.

Hara offers the option of incorporating data input with bill payment automation. County is using an energy-data interface and a tool called Utility Manager. It pays the bill automatically and maps the usage for all the accounts.

Staff asked for feedback about approaching finance staff and city managers at the cities to gauge interest in countywide bill payment solutions for purchases of energy, water, and solid waste services, to automate bill payment and data tracking. The committee suggested that it was unlikely to be a popular conversion.

It was suggested to approach the effort again in a few years, once technology has developed to make the process more commonplace.

**9) Committee Member Updates** None.

California Climate Adaptation Conference August 19-20, 2014 in Sacramento.

**10) Next Regular Meeting Date** –August 27, 2014

**Attachments:**

None



# C/CAG AGENDA REPORT

**Date:** August 27, 2014  
**To:** Resource Management and Climate Protection Committee  
**From:** Dave Pine, RMCP Committee Member  
**Subject:** Update on San Mateo County Sea Level Rise Planning  
(for further information contact Kim Springer at 650-599-1412)

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## **RECOMMENDATION**

Receive an update on San Mateo County sea level rise planning. .

## **FISCAL IMPACT**

Staffing of the RMCP Committee is contracted to the County of San Mateo, Department of Public Works and paid by C/CAG from Congestion Relief funds.

## **BACKGROUND/DISCUSSION**

The effort to reduce greenhouse gas emissions through climate action planning in San Mateo County has progressed over the past several years, through the work of individual cities and the C/CAG- and PG&E-funded regionally Integrated Climate Action Planning Suite (RICAPS) project. Over the past few years, some of the discussions and efforts, locally and regionally, turned towards the importance of adapting to potential climate change risks, such as higher daytime temperatures, increased fire incidents and flood occurrences. One of the largest and potentially most costly risks to San Mateo County is Sea Level Rise. County Supervisor Dave Pine has taken the lead in San Mateo County on this issue.

Two meetings, one on December 9, 2013 and one on June 27, 2014, have been organized by Dave Pine's office to launch awareness and a planning effort on SLR in San Mateo County.

Dave will present and update on the development of planning for sea level rise in San Mateo County.

## **ATTACHMENT**

None

# C/CAG AGENDA REPORT

**Date:** August 27, 2014  
**To:** Resource Management and Climate Protection Committee  
**From:** Kim Springer, County staff to RMCP Committee  
**Subject:** Presentation on the Development of Community Choice Aggregation  
(for further information contact Kim Springer at 650-599-1412)

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## **RECOMMENDATION**

Receive a presentation on the development of community choice aggregation.

## **FISCAL IMPACT**

Staffing of the RMCP Committee is contracted to the County of San Mateo, Department of Public Works and paid by C/CAG from Congestion Relief funds.

## **BACKGROUND/DISCUSSION**

Cities in the region are work to implement programs to reduce greenhouse gas emissions, especially those that allow residents and businesses to contribute to the solution. Because a number of cities are turning towards CCA as a possible approach, staff provided an overview of CCA legislation at the July 16, 2014 RMCP Committee meeting. Staff also raised some important questions about CCA that they felt the committee should explore, including:

- What effect, in the long run, does CCA have on the grid if everyone move to CCA?
- Is a CCA really creating more clean energy, or just shifting who gets it?
- In a CCA, who responds to customer complaints?
- At what volume of energy is it cost-effective to go the direction of CCA?
- How do Renewable Energy Certificates work?
- How does a CCA comply with rules under the Clean Air Act?

The RMCP Committee asked staff to provide a speaker for the next meeting that can help answer some of these questions and provide more insight on how a CCA is organized, formed and operated.

Staff has invited Justin Kudo, Account Manager at Marin Clean Energy to give a presentation on CCA development and to help answer the questions of the RMCP Committee.

## **ATTACHMENT**

None

# C/CAG AGENDA REPORT

**Date:** August 27, 2014  
**To:** Resource Management and Climate Protection Committee  
**From:** Kim Springer, County staff to RMCP Committee  
**Subject:** Presentation on Institute for Local Government, Beacon Award: Local Leadership Solving Climate Change  
  
(for further information contact Kim Springer at 650-599-1412)

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## **RECOMMENDATION**

Receive a presentation on the Institute for Local Government Beacon Award: Local Leadership Solving Climate Change.

## **FISCAL IMPACT**

SMCEW program staff costs 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 C/CAG Congestion Relief Funds.

## **BACKGROUND/DISCUSSION**

Cities in San Mateo County are working on actions to reduce greenhouse gas (GHG) emissions, such as: completing GHG emission inventories, selecting climate action measures, adopting climate action plans, and implementing programs. Staff working with cities on the Regionally Integrated Climate Action Planning Suite (RICAPS) to help cities progress on climate action, lack a tool to help provide cities recognition for their efforts.

Several years ago, the Institute for Local Government, as a member of the Statewide Energy Efficiency Collaborative (SEEC) partnership, developed the Beacon Award. The following quote is from the Beacon Award Website:

“The Beacon Award: Local Leadership Toward Solving Climate Change, sponsored by the Institute for Local Government and the Statewide Energy Efficiency Collaborative, is a statewide program recognizing California cities and the counties that are working to reduce greenhouse gas emissions, save energy and adopt policies and program that promote sustainability.”



Staff will present information on the award and plans to “role out” the program to San Mateo County cities. A link to the Beacon Award Guidelines is provided as an attachment to this staff report.

**ATTACHMENT**

Link to Beacon Award Guidelines: [LGC Beacon Award Guidelines](#)

# C/CAG AGENDA REPORT

**Date:** August 27, 2014  
**To:** Resource Management and Climate Protection Committee  
**From:** Kim Springer, County staff to RMCP Committee  
**Subject:** Presentation on 2014 California Adaptation Forum  
(for further information contact Kim Springer at 650-599-1412)

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## **RECOMMENDATION**

Receive a presentation on the 2014 California Adaptation Forum.

## **FISCAL IMPACT**

SMCEW program staff costs 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 C/CAG Congestion Relief Funds.

## **BACKGROUND/DISCUSSION**

The first California climate adaptation conference (2014 California Adaptation Forum) runs from August 18<sup>th</sup> through the 20<sup>th</sup>. Staff will be attending the conference and will report back highlights to the RMCP Committee.

A link to the conference website is provided as an attachment to this staff report.

## **ATTACHMENT**

Link to 2014 California Adaptation Forum Website: <http://www.californiaadaptationforum.org/>

# C/CAG AGENDA REPORT

**Date:** August 27, 2014  
**To:** Resource Management and Climate Protection Committee  
**From:** Kim Springer, County staff to RMCP Committee  
**Subject:** Update on the San Mateo County Energy Watch program  
(for further information contact Kim Springer at 650-599-1412)

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## **RECOMMENDATION**

Receive an update on the San Mateo County Energy Watch (SMCEW) program.

## **FISCAL IMPACT**

SMCEW program staff costs 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 C/CAG Congestion Relief Funds.

## **BACKGROUND/DISCUSSION**

The SMCEW program is nearing the end of the 2013-14 program transition cycle. At this time, the program is on track to meet its energy saving goals, but is dependent on a number of large municipal projects being completed by the end of the 2014 calendar year.

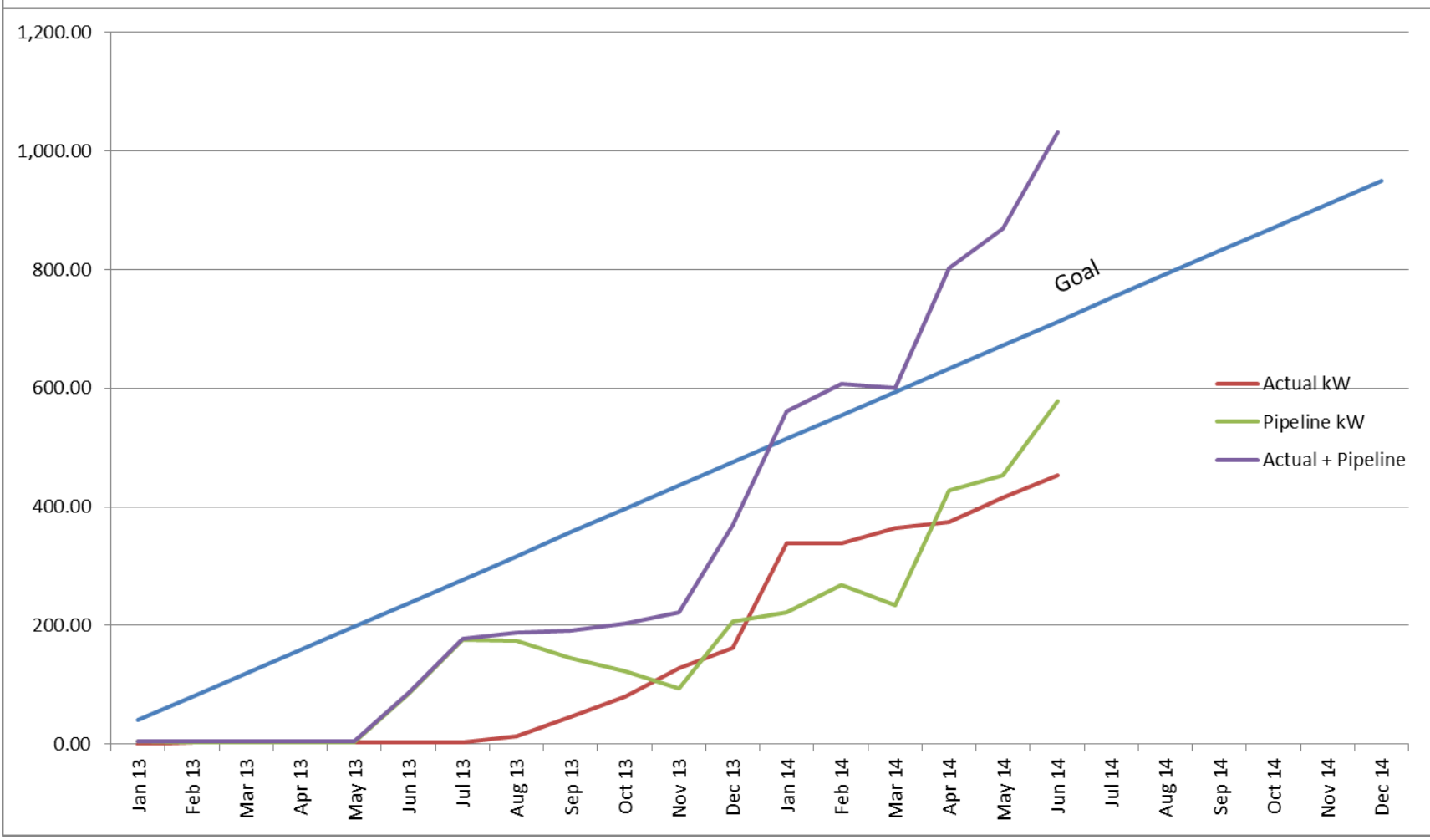
The program is at approximately 50% of its kilowatt (kW) goal, which is low due to the large number of municipal streetlight projects completed, since night time outdoor lighting saves no kW. If all projects in the pipeline are completed, we will surpass our kW goal. In terms of kilowatt hours (kWh), the program is on target to meet the savings goal. If all projects in the pipeline are completed, the program will surpass its goal for kWh. Savings charts, updated through June 2014 are provided as attachments to this staff report

The contract process for calendar year 2015 is underway and staff will update the RMCP Committee on progress towards contracting to increase technical staff capacity in 2015 and beyond.

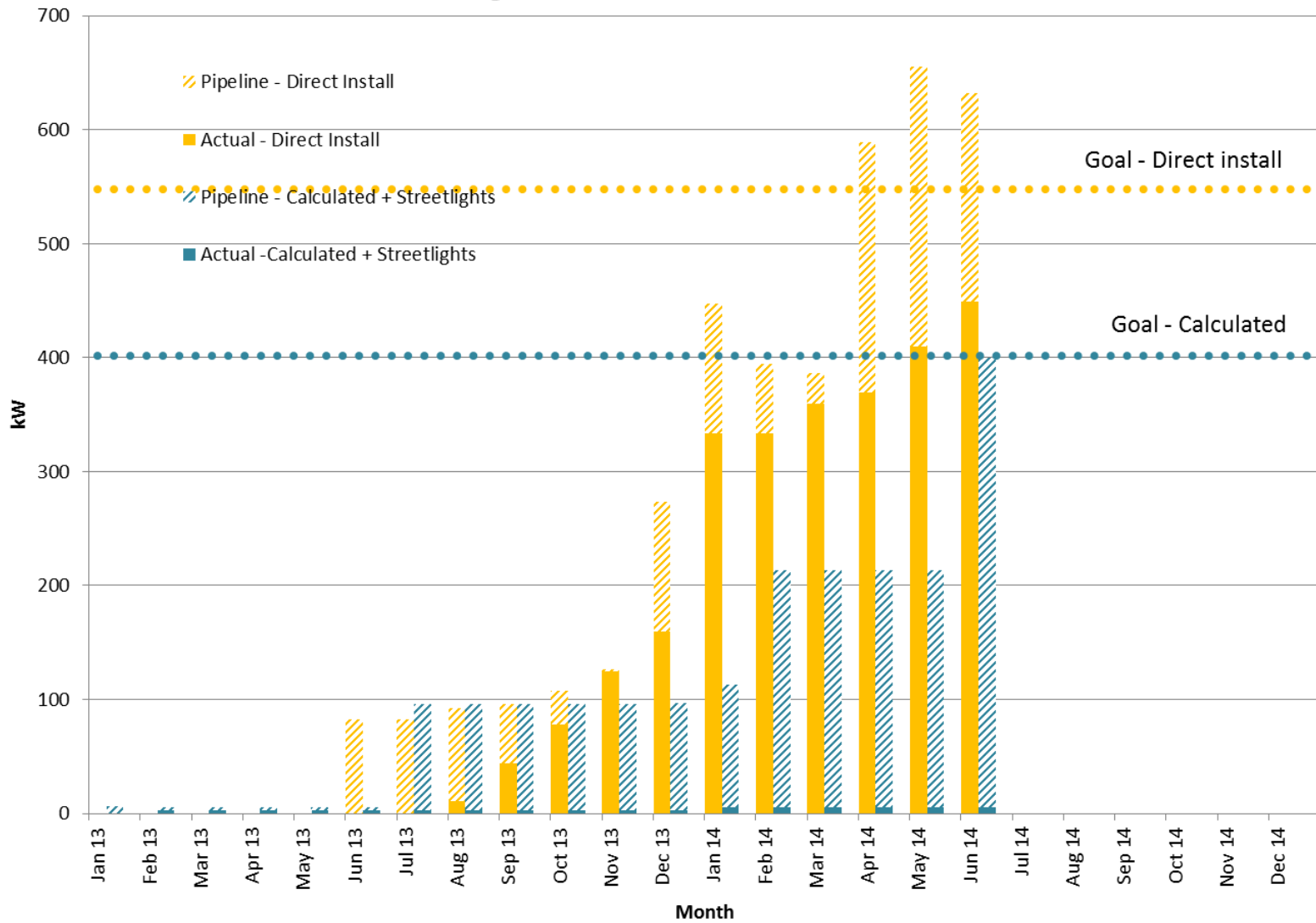
## **ATTACHMENT**

SMCEW Energy Saving Chart – June 2014

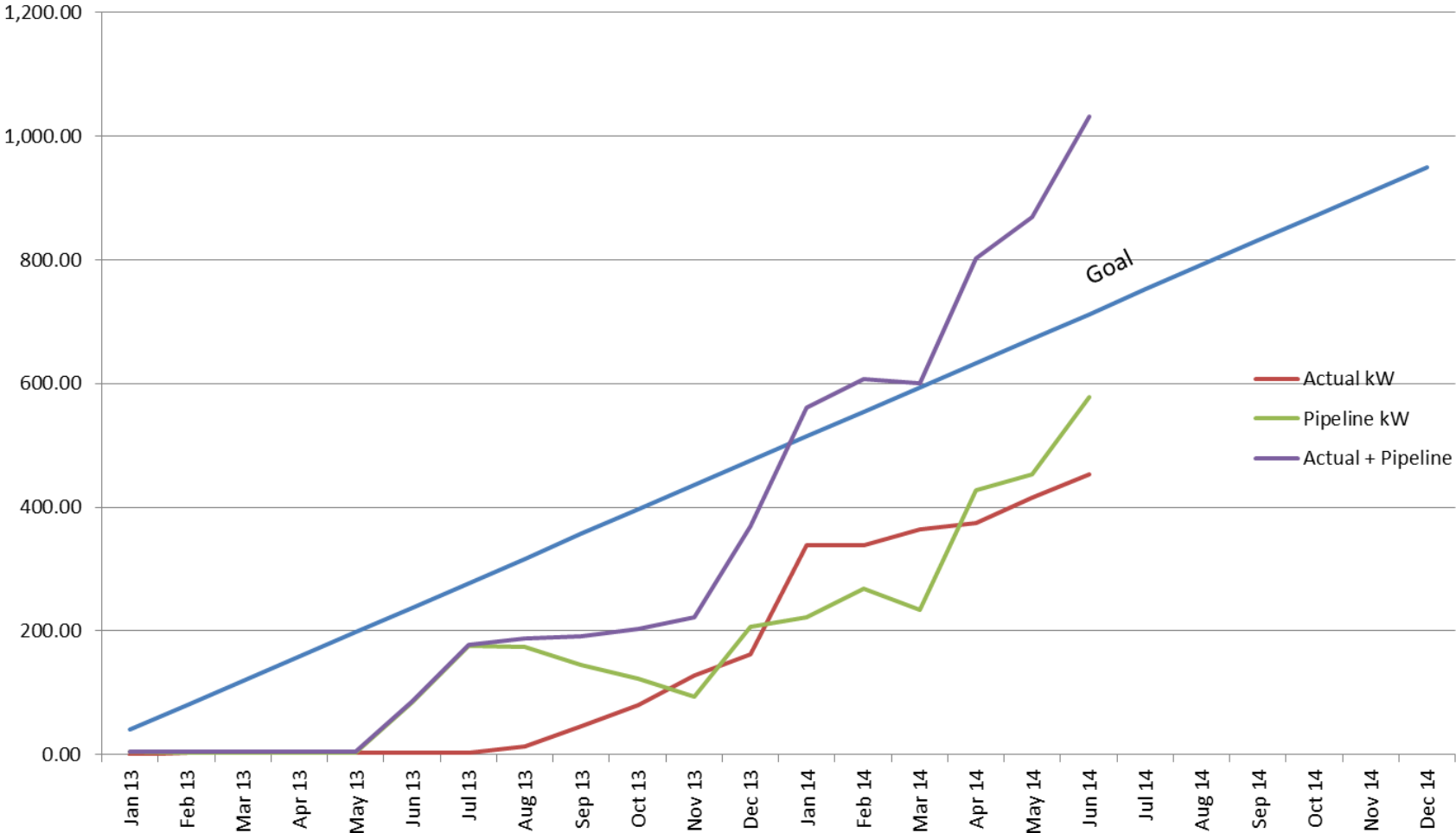
### San Mateo County Energy Watch 2013-2014 Energy Savings - kW Goal vs. Achieved



## San Mateo County Energy Watch 2013-2014 kW Savings - Calculated vs. Direct Install



## San Mateo County Energy Watch 2013-2014 Energy Savings - kW Goal vs. Achieved



## San Mateo County Energy Watch 2013-2014 kWh Savings - Calculated vs. Direct Install

