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**DATE:** October 16, 2015

**TO:** Finance and Government Operations Committee

**FROM:** Sylvia Gallegos, Deputy County Executive

**SUBJECT:** Semi-Annual Sustainability and Climate Action Report (March - August 2015)

### **RECOMMENDED ACTION**

Receive semi-annual report from the Office of Sustainability relating to sustainability and climate action programs for period March 1, 2015 through August 31, 2015.

### **FISCAL IMPLICATIONS**

There are no fiscal implications in accepting this report.

### **REASONS FOR RECOMMENDATION**

The Semi-Annual Report updates the Finance and Government Operations Committee (FGOC) and the Board of Supervisors (Board) on internal and community programs, policies, and projects that advance the County's sustainability and climate action objectives and goals. The report also describes the integration of sustainability principles and measures across the County organization, departments, and offices.

### **PART I - SUSTAINABILITY/CLIMATE ACTION – INTERNAL**

In collaboration with other County offices and departments, the Facilities and Fleet Department (FAF) serves the Board's sustainability goals, policies, and objectives, and reports the following regarding progress, implementation, and status of internal government operations projects:

#### **Renewable Energy, Energy Efficiency and Storage**

The following renewable energy and energy conservation efforts are underway at County facilities:

- The Board approved Energy Savings Services Agreements with Ameresco, Inc. (Ameresco) on June 23, 2015 (Item No. 20) and with Siemens Industry, Inc. (Siemens) on August 11, 2015 (Item No. 94). FAF is working with the aforementioned vendors to initiate energy and water audits at County facilities.
- Project vendor Stem has completed the installation, and initiated operation, of 54 kilowatt intelligent energy storage systems at the Crime Lab, Milpitas Valley Health Clinic, and Berger Drive Building No 2 facilities.
- FAF is working with Sunpower on contract documents necessary to facilitate the funding of the Renewables for Revenue Project with Clean Renewable Energy Bonds.

Additional details regarding FAF energy projects are available in the Renewable Energy Biannual Report and the Renewable for Revenue Quarterly Report, simultaneously submitted to the September 10, 2015 Finance and Government Operations Committee (FGOC) meeting.

## **Water Conservation Efforts**

The County received the Greenscape Management award from the Silicon Valley Water Conservation Coalition in March, 2015. Sustainable landscaping, a turf conversion project at Juvenile Hall, and the Sustainability in Jails Program were recognized for contributing to water conservation achievements.

In response to the drought, the watering schedule at County landscaping sites continue to operate on a reduced irrigation schedule, reducing landscaping irrigation by a minimum of 33%. On March 19, 2015 (Item 6) FAF reported to the Housing, Land Use, Environment and Transportation (HLUET) Committee regarding the County facilities' water usage. As of May 2015, FAF has turned off the two decorative fountains at the Charcot campus and is exploring additional landscape conversion projects at other facilities.

## **Our City Forest Tree Planting Project**

To date, Our City Forest (OCF) has planted a total of 554 trees in the unincorporated county neighborhoods of Alum Rock, Burbank, Cambrian and East Foothills, achieving their 2011 contracted goal of 500 trees. The last planting of the season took place in June of 2015 and the agreement ended on August 31, 2015. A tree health assessment was conducted on a sample size of the tree plantings in August of 2015, indicating positive health for a majority of the sampled inventory. These trees are helping beautify the neighborhoods, sequester carbon and will grow into larger shade trees. OCF will continue to provide outreach to the residents and track the trees as noted in the agreement.

## **Zero Waste Program for County Facilities**

As of June 2015, the Republic Services diversion rate for the County facilities Zero Waste Program (ZWP) is reported to be 76 percent for planned services. In addition, the semi-annual Zero Waste Report was submitted to FGOC June 11, 2015 (Item 4), which included a study of the County facility waste stream and operations materials management to identify additional opportunities to increase waste diversion rates.

## **Bicycle Lockers**

The County of Santa Clara was awarded a grant (July 2014) through the Bay Area Air Quality Management District's (BAAQMD) Transportation Fund for Clean Air Program (TFCA) Regional Fund Program to install electronically operated bicycle lockers at four County locations. FAF has completed Phase I of the installations at three County locations: Charcot, Berger and Elmwood. The twelve new bicycle locker spaces are available for both employees and visitors with a registered BikeLink access card. Phase II will commence when the construction of the Downtown Health Clinic is completed.

## **Green Memes**

As part of the Earth Day celebrations in April of 2015, a *Sustainability Heroes* webpage was launched, a subsection of the *Green Memes* webpage accessible by County employees on the *Connect* portal. The *Sustainability Heroes* webpage highlighted four County employees who participate in *smart commutes*, such as, carpooling, biking and taking public transportation to work. The webpage features four employees who volunteered to share their story as part of the ongoing outreach for clean commutes. Encouraging employees to engage in clean commutes will help reduce the County operations' greenhouse gas emissions attributed to employee commutes to work.

## **PART II – SUSTAINABILITY/CLIMATE ACTION – EXTERNAL**

In collaboration with municipalities, non-profit organizations, the private sector and other partners, the Office of Sustainability (Sustainability Office) serves the Board's sustainability goals, policies, and objectives, and reports the following regarding progress, implementation, and status of community-facing programs and projects:

### **Silicon Valley 2.0 (SV 2.0)**

Under a grant from the State's Strategic Growth Council, the Sustainability Office has completed a regional climate adaptation resource platform, which includes a 9-sector regional Climate Adaptation Implementation Guidebook with an accompanying Decision-Support Tool. This *platform* provides a comprehensive, strategic roadmap, toolkit, and collaborative framework for the region's ongoing adaptation and resiliency efforts. This Project was

designed 4-1/2 years ago, and funding secured 3-1/2 years ago. In the three years of Project creation and delivery, both the state and the nation have increasingly turned a priority focus on the need for preemptive actions that avoid or suppress projected climate impacts. As a result, the SV 2.0 Project has launched regional action in this area, and stimulated interest across state and national agencies, including the following demonstrations and presentations during this semi-annual period:

- April 8, 2015 - **Santa Clara Valley Water District** Engineers and Executives Presentation with Tool Demonstration and Project Review;
- May 5, 2015 - The Sustainability Office hosted a **Regional Adaptation Partners Workshop**, which successfully 1) demonstrated the SV 2.0 Climate Adaptation Decision-Support Tool (a geo-economic web-based mechanism), 2) illustrated use and functionality of the SV 2.0 Climate Adaptation Implementation Guidebook; and 3) facilitated seven (7) sector-based collaborative framework sub-groups around 18 different adaptation strategies and, in certain sectors, supervised the development of other identified high-return strategies;
- May 12-14, 2015 - The SV 2.0 Project was a featured training presentation at the **National Climate Adaptation Forum** in St. Louis, Missouri;
- May 29, 2015 - **California Legislature Senate Committee on Environmental Quality** Hearing on Climate Adaptation (Sen. Bob Wieckowski, Chairman);
- June 19, 2015 - **US Congresswoman Eshoo and Assemblyman Rich Gordon Regional Forum** on Sea Level Rise and Climate Adaptation at NASA-Ames; and
- July 15, 2015 - **Federation of Earth Science Federation Partners (ESIP)** Plenary Session and Workshop, Asilomar Center, Pacific Grove.

The SV 2.0 Climate Adaptation Platform was **completed as of August 15, 2015**. As of August 28, 2015, the Sustainability Office established SV 2.0 Tool access accounts for more than 30 key regional municipalities, special districts and agencies, local and San Francisco Bay regional non-profit partners, research institutions and academic institutions, and other counties and climate partners across the State.

Work to update and supplement the SV 2.0 Project website,  
<http://www.sccgov.org/SiliconValley2.0>, is slated for completion in early September.

### **Silicon Valley Community Choice Energy Partnership (SVCCEP)**

Since the last Sustainability and Climate Report, the Board approved participation in the SVCCEP Initial Feasibility Study (BOS March 24, 2015, Item 29). SVCCEP has completed the Initial Phase Feasibility analysis, which was reported back to the Board (BOS June 23,

2015, Item 23), along with a recommendation to continue as a member of the Partnership for purposes of the Phase 1B full Technical Study, key business and stakeholder outreach, and preliminary investigation of a joint powers authority district. The Board directed staff to move forward as a partner in Phase 1B, contingent upon more comprehensive and robust engagement of municipalities outside those of the Sponsoring Partners (the Cities of Sunnyvale, Mountain View and Cupertino, with the County).

The Phase 1B Participation Agreement was brought before and approved by the Board (BOS August 25, 2015, Item 20), upon consideration of staff's report on municipal meetings and outreach to-date, as well as the Draft Phase 1B Community Engagement Plan.

Phase 1B is scheduled to carry through December 2015, although the draft Technical Study is expected on October 31, 2015. The Sustainability Office serves as the County's technical and regulatory representative to the SVCCEP, and represents the County in weekly project meetings, as well as supporting all meetings of the Executive Team (County Executive and City Managers), Elected Officials Task Force meetings, and all outreach events.

## **Water Efficiency and Conservation**

The Sustainability Office is a member of the multi-departmental working group (Drought Working Group) to investigate immediate opportunities to reduce water use at County facilities as well as longer term strategies. In addition, the Sustainability Office participates as a member of the Sustainable Silicon Valley (SSV) Net Zero Initiative, which includes policy, technical, and new technologies reviews. The SSV effort engages municipalities, counties, special districts, consultants, and private sector entities, which are testing or expanding their water management portfolios to include new technologies, including on-site integrated water management systems. These meetings are reported by the Sustainability Office to the County's Drought Working Group. SSV is also hosting a September 16 Summit addressing water efficiency and technologies.

## **Driving to Net Zero: Decarbonizing Transportation in Silicon Valley**

Since the receipt of the fully-executed grant agreement with the California Strategic Growth Council in May 2015, the Sustainability Office has conducted a competitive procurement process for consultant services. This process resulted in an award to ICF International (ICFI), which the Office expects to bring before the Board in September 2015. The Sustainability Office is presently working to update the project schedule, and finalize proposed agreements with ICFI, the Bay Area Climate Collaborative, and Joint Venture Silicon Valley.

*Driving to Net Zero* will integrate policy development, siting and feasibility studies, cost-benefit analyses for charging installation, and training for government building and zoning staff. The project will also develop private sector, local government, and state agency frameworks to advance market penetration and identify funding and other resources.

This is a multi-jurisdictional project, joining the County with the cities of Mountain View, Morgan Hill, Sunnyvale, Palo Alto, and Cupertino, as well as the Bay Area Climate Collaborative.

### **EFLIC Energy Efficiency Financing Pilot for Low and Moderate Income Customers**

Under the California Public Utility Commission (CPUC), a Statewide Energy Efficiency Financing Program, the Energy Financing Line Item Charge (EFLIC) Project was developed with Pacific Gas & Electric (PG&E). The County of Santa Clara is one of three regions to pilot this program (in addition to Yolo County and the City of Fresno), in partnership with PG&E and Union Bank, to offer low- and moderate-income households the opportunity to finance energy efficiency upgrades through a special loan product that is repaid through a line item charge on customer energy bills. The project features competitive interest rates, flexible pay-back terms (up to 10 years), and the added consumer protection that default will not result in interruption of energy service.

Previously scheduled for a September 2015 launch, the EFLIC Program has been delayed by processes at the state level, and is now **expected to launch in January 2016**. The Sustainability Office is presently working with PG&E to develop strategic market profiling, contractor engagement and enrollment plans, program messaging, and tracking/reporting protocols.

### **Government Partnership with Pacific Gas & Electric (PG&E)**

In addition to the EFLIC Pilot, the Sustainability Office is working with PG&E's Government Partnerships Department to develop a scope of work that would launch in January 2016. In addition, the Sustainability Office may submit a proposal under PG&E's August solicitation for innovative resource (actual energy savings) programs and pilots relating to the residential, industrial, or agricultural markets.

### **Bay Regional Energy Network (BayREN)**

Under the Sustainability Office, the County continues to be a key implementer among the nine San Francisco Bay Area counties in the Single Family Energy Efficiency Residential Program, and the top performer among the nine counties in the Multi-Family Energy Efficiency Program. Further, the Sustainability Office manages a high-performing

community outreach program that is modeled in other counties, and serves as the Statewide Energy Efficiency Marketing, Education and Outreach representative for the entire BayREN.

In addition, following the departure of the BayREN's Codes and Standards Program Manager, the Sustainability Office provides ongoing leadership for this program as interim manager. In this role, the County supports the BayREN Administrator, the Association of Bay Area Governments (ABAG) with planning, tracking and implementation of the program, including the following:

- Strategic support to BayREN representatives around the San Francisco Bay Area for meeting regional deliverables that include providing energy code compliance, enforcement and educational resources to industry stakeholders;
- Coordination and delivery of two Codes and Standards forums in San Mateo and Solano counties that addressed regionally-specific energy and sustainability issues;
- Planning and hosting a regional forum in Santa Clara County (August 25, 2015) to expand stakeholder engagement in the statewide energy code development process at the California Energy Commission;
- Coordination of 11 energy code enforcement trainings to building departments in the cities of Cupertino, Milpitas and Sunnyvale; and
- Coordination and supervision of the creation of the region's first specialized BayREN energy training curriculum for building officials and staff, using the County's local Codes and Standards programmatic work as a laboratory.

The Regional Energy Network model was co-developed by the Sustainability Office, which also worked to secure approval and funding of two REN pilots (the BayREN and the SoCalREN) by the California Public Utilities Commission (CPUC) in 2012. These were the first non-utility program administrators recognized and funded by the CPUC. Since 2013, the two RENs have administered nearly \$100 million in energy efficiency residential, commercial, water-energy nexus, codes and standards and public facilities upgrades programs. The County's participation in the BayREN, including staff, is grant funded.

## **California Public Utilities Commission (CPUC)**

Rolling Portfolio: In Summer 2014, the CPUC entered into an Order Instituting Rulemaking (OIR) proceeding that would introduce a "rolling portfolio" cycle, currently projected to span 10 years (rather than 2-year, stop/start cycles). A Phase I Decision under this OIR Proceeding was rendered in October 2014, establishing a basis for a continuous rolling portfolio.

The Sustainability Office is a member of the 21-member statewide Coordinating Committee directed by the CPUC to develop a comprehensive proposal for funding, implementing, reporting and evaluating programs and pilots under a Rolling Portfolio. Under a Phase 2 Proposed Decision, the CPUC has provisionally accepted much of the Coordinating Committee proposal, with ongoing work expected through the remainder of Phase 2 and into Phase 3 (all phases expected to conclude in Fall 2016).

Distributed Resources Plans Proceeding: The Sustainability Office is a member of a statewide committee reviewing the Utilities' Draft Distributed Resources Plans, with recommendations that cross this proceeding with the Integrated Demand Side Management proceeding under decision of CPUC Commissioner Michael Florio.

### **Multi-Jurisdiction Greenhouse Gas (GHG) Inventories & Climate Action Plans Project**

In April 2015, the Sustainability Office completed a project to update government greenhouse gas (GHG) inventories, create community GHG inventories, and develop both a general template Measures Menu as well as customized Measures Menus for six municipalities (Cupertino, Gilroy, Morgan Hill, Mountain View, San Jose and Saratoga) and the unincorporated county (collectively referred to as the MCAPs Project). MCAPs is funded through a PG&E grant and other resourced funds.

### **Board Referral – Sustainability Master Plan**

On August 25, 2015 (Item 12), the Board issued a Referral to the Sustainability Office to report back to the full Board on the budgetary resources necessary to create an Integrated Sustainability Master Plan, including a draft framework for the Master Plan. The Board clarified its position that the Plan should form a comprehensive, cohesive, forward-facing government and community portfolio for cross-implementation of economic, environmental, and environmental sustainability strategies and measures, which are trackable, measurable and reportable.

### **CHILD IMPACT**

Sustainability, energy and climate action programs, projects, and activities are undertaken by the County to serve the economic, environmental and social interests of the community, including those impacting children and youth.

### **SENIOR IMPACT**

Sustainability, energy, and climate action programs, projects, and activities are undertaken by the County to serve the economic, environmental and social interests of the community, including those impacting seniors.

## **SUSTAINABILITY IMPLICATIONS**

The recommended actions review, approve and support programs, projects, and activities that balance public policy and program interests, and which advance the Board of Supervisors' sustainability objectives to foster a healthy environment, protect resources and public health and safety, promote a diverse economy, and advance social equity and safety.

## **BACKGROUND**

The Sustainability Office was established by the Board on August 24, 2010, commenced preliminary operations on October 11, 2010 and official operations on November 8, 2010. Among its directives, the Sustainability Office was tasked with promoting sustainability approaches, policies and programs throughout the County's departments and offices, as well as enhancing the County's regional, state and national leadership in climate mitigation, adaptation, and all other sustainability resource, equity, and economic sectors.

The Semi-annual and Annual Sustainability and Climate Action Reports are a means of recording and reporting progress back to FGOC and the Board, and to serve as a public reference source.



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**DATE:** March 12, 2015

**TO:** Finance and Government Operations Committee

**FROM:** Sylvia Gallegos, Deputy County Executive

**SUBJECT:** Q3 (FY2015) Sustainability and Climate Action Report

### **RECOMMENDED ACTION**

Receive quarterly report from the Office of Sustainability relating to sustainability and climate action programs.

### **FISCAL IMPLICATIONS**

There are no fiscal implications in receiving this report.

### **REASONS FOR RECOMMENDATION**

The Quarterly Report updates the Finance and Government Operations Committee (FGOC) and the Board of County Supervisors (Board) on internal and community programs, policies, and projects that advance the County's sustainability and climate action objectives and goals. The report also describes the integration of sustainability principles and measures across the County organization, departments, and offices.

### **PART I - SUSTAINABILITY/CLIMATE ACTION – INTERNAL**

In collaboration with other County offices and departments, the Facilities and Fleet Department (FAF) serves the Board's sustainability goals, policies, and objectives, and reports the following regarding progress, implementation, and status of internal government operations projects:

#### **Renewable Energy, Energy Efficiency, and Storage**

As of mid-February, the Facilities and Fleet Department is in the contract negotiation process for the Renewables for Revenue and Energy Services Companies projects. It continues to also work on the development and implementation of a variety of other energy projects,

including the battery storage, energy efficiency at the County Government Center, solar hot water, NRG solar and CNG station projects. More information regarding these projects are available in the Renewable Energy Quarterly Report submitted to the March 12, 2015 Finance and Government Operations Committee meeting.

## **Sustainable Landscaping at County Facilities**

FAF, in collaboration with the Department of Probation, has completed a landscape conversion project at Juvenile Hall. The project replaced over 13,000 square feet of turf with drought tolerant landscaping and walking paths, saving a projected 700,000 gallons a year. In addition to the benefit of water usage and maintenance reduction and integrated pest management practices, this project also meets the needs of the juveniles at this facility. It includes a picnic area for meetings with counselors and walking paths. This turf conversion project was completed in January, 2015. The project plan is compliant with the Santa Clara Valley Water District (SCVWD) Landscaping Conversion Rebate Program. SCVWD has confirmed a \$27,000 rebate will be awarded for this project.

## **Water Conservation Efforts**

In response to the drought, the watering schedule at County landscaping sites, managed by FAF, have been reduced from three times a week to twice a week, reducing landscaping irrigation by 33%. The Roads and Airports Department, Valley Medical Center and Parks and Recreation Department also report reduction of irrigation schedules to support water conservation efforts.

FAF reported to the Housing, Land Use, Environment and Transportation Committee regarding the County's water usage. Background information can be found in the November 19, 2014 report.

## **Our City Forest Tree Planting Project**

FAF manages the community tree-planting project with Our City Forest (OCF). To-date, OCF has planted a total of 525 trees, achieving their contract goal of planting 500 trees. OCF hosted this year's first Unincorporated County tree planting on January 10, 2015 in the Cambrian Park neighborhood. The planting season is expected to pick up as more tree plantings have been confirmed for the upcoming months. OCF will continue to outreach and provide tree plantings until contracted funds are expended.

## **Zero Waste Program for County Facilities**

The Republic Services diversion rate for the County facilities Zero Waste Program (ZWP) is reported to be 75% in December, 2014. The focus of the ZWP has shifted to conducting a comprehensive study of the County facilities and operations' overall waste stream, which

will assist with priorities for the ZWP. Background information is in the semi-annual Zero Waste Report for Finance and Government Operations Committee on December 11, 2014.

## **Bicycle Lockers**

The County of Santa Clara was awarded a grant in July 2014 through the Bay Area Air Quality Management District's (BAAQMD) Transportation Fund for Clean Air Program (TFCA) Regional Fund Program to install electronically operated bicycle lockers at four County locations. The County is currently proceeding with phase one of the installations.

## **PART II – SUSTAINABILITY/CLIMATE ACTION – EXTERNAL**

In collaboration with municipalities, non-profit organizations, the private sector and other partners, the Office of Sustainability (Sustainability Office) serves the Board's sustainability goals, policies, and objectives, and reports the following regarding progress, implementation, and status of community-facing programs and projects:

### **EFLIC – An Energy Efficiency Financing Pilot for Low and Moderate Income Customers**

Under the recently-launched California Public Utility Commission (CPUC) Statewide Energy Efficiency Financing Program, the EFLIC (Energy Financing Line Item Charge) Project was developed with Pacific Gas & Electric (PG&E). The Project will launch in three pilot areas (Santa Clara County, San Francisco, and Fresno), in partnership with Union Bank, to offer low and moderate income households the opportunity to finance energy efficiency upgrades through a special Union Bank loan product, that is repaid through a line item charge on customer energy bills. The Project features competitive interest rates, flexible pay-back terms (up to 10 years), and the added consumer protection that default will not result in interruption of energy service. Loans are subject to Union Banking lending criteria.

The Sustainability Office has distributed a Work Plan/Schedule/Budget to PG&E, Union Bank, and the Center for Sustainability (as the CPUC statewide Marketing, Outreach and Education Administrator), which has been tentatively approved by PG&E and Union Bank. This is a unique opportunity to reach an underserved community, and to promote market transformation through a channel specifically tailored to low and moderate income households throughout the County.

### **Community Choice Energy (CCE) Initiative**

The Sustainability Office represents the County in an emerging partnership for community choice aggregation (now referred to as Community Choice Energy, or CCE) in energy

resource procurement (as opposed to the transmission and distribution infrastructure, which will remain with PG&E). Since the last quarterly report, the Sustainability Office has worked with the City of Sunnyvale and the other CCE partners (Cities of Mountain View and Cupertino) to scope procurement under this phase, evaluate proposals, design community outreach objectives, and to discuss key elements under future phases of the CCE Initiative. During this process, the Sustainability Office confers routinely with the County Counsel Office and the Office of Finance.

The Sustainability Office is planning to return to the Board on March 24, 2015 with a report on the scope and targeted outcomes from the initial feasibility study, as well as the Phase 1 Participation Agreement.

### **PACE (Property Assessed Clean Energy – Residential)**

The Board last considered petitions of third-party administrators to implement Residential PACE Programs throughout the unincorporated county on October 7, 2014 (Item #17), during which public speakers and the Board focused on two program implications: consumer protections and contractor standards. The Sustainability Office was directed to work with County Counsel and the third-party PACE Administrators to develop a mutually-agreed upon disclosure cover document that would define potential risks for consumers, and to work with County Counsel, third-party PACE Administrators, and community stakeholders (including Working Partnerships) with the goal of possibly arriving at a set of contractor standards that would serve as the baseline criteria for all contractors implementing Residential PACE in the unincorporated county.

The Sustainability Office is planning to return to the Board on March 24, 2015, with a proposed consumer disclosure document that has been reviewed and approved by County Counsel, and the third-party Residential PACE Administrators.

Currently, the Sustainability Office is convening a set of meetings among the third-party Residential PACE Administrators, County Counsel, Working Partnerships and labor representatives to review proposed Contractor Standards. The Proposed Contractor Standards have been updated and amended. It is the goal of the Office to complete this process in time to return to the Board on March 24, 2015, with sufficient information for the Board to fully consider Residential PACE.

### **Government Partnership with Pacific Gas & Electric (PG&E)**

The Sustainability Office completed a Gaps Analysis and Needs Assessment commissioned by PG&E to:

- Poll and survey municipal and County participation in regional PG&E programs;

- Map the County's and municipalities' energy goals, measures, and targets under governing plans, e.g., Climate Action Plan, Energy Action Plan, General Plan;
- Define local government priorities and needs (for both government operations and community programming) with regard to energy efficiency and renewables; and
- Create a series of recommendations for modifications or enhancements of PG&E's countywide ratepayer-funded energy programs that will reflect community priorities and energy efficiency opportunities, and drive greater uptake in PG&E programs.

In addition, the Sustainability Office continues to work with PG&E and the Santa Clara Valley Water District to develop water conservation and efficiency campaigns. Currently, the County has recommended a schools-focused campaign in partnership with Power2Sustain, as well as a “water use visualization” campaign capable of dissemination through a number of public and private sector channels, as well as via social media.

### **Driving to Net Zero: Decarbonizing Transportation in Silicon Valley**

On February 24, 2015, the California Strategic Growth Council and Department of Conservation approved the Grant Agreement package with the County supporting this Project, which will integrate policy development, siting and feasibility studies, cost-benefit analyses for charging installation, and training for government building and zoning staff. The project will develop private sector, local government, and state agency frameworks to advance market penetration and identify funding and other resources.

The Sustainability Office will issue a Request for Proposals in support of the Project in early March, 2015.

This is a multi-jurisdictional project, joining the County with the cities of Mountain View, Morgan Hill, Sunnyvale, Palo Alto, and Cupertino, as well as the Bay Area Climate Collaborative.

### **Silicon Valley 2.0 (SV 2.0)**

Under a grant from the State's Strategic Growth Council, the Sustainability Office is Project Director for Silicon Valley 2.0, a regional climate adaptation implementation plan with an accompanying decision-making tool.

The Project is on-schedule for completion by end of March 2015; and a Project Resources Forum is tentatively scheduled for April 8<sup>th</sup> or 9<sup>th</sup>, bringing together regional decision-makers, Project Partners, key stakeholders, and other primary public and private sector parties. The Forum will demonstrate the SV 2.0 Climate Adaptation Decision-Support Tool

(an unprecedented geo-economic web-based mechanism), review and illustrate use and functionality of the SV 2.0 Climate Adaptation Implementation Guidebook, and open dialogue on regional partnerships and a path forward to implementation.

Work to update and supplement the SV 2.0 Project website, <http://www.sccgov.org/SiliconValley2.0>, is continuing, and is expected to be complete simultaneous with the Project's April Forum.

## **Bay Regional Energy Network (BayREN)**

The Sustainability Office will continue to implement the Bay Regional Energy Network (BayREN) Energy Efficiency Program Portfolio throughout the county for the calendar year 2015 (pursuant to a Decision of the California Public Utilities Commission to extend the 2013-2014 through calendar year 2015). The BayREN Portfolio includes the residential Home Upgrade Program, a Multi-Family Program, a Codes and Standards Initiative, and a Commercial PACE Financing Support Pilot. In addition, the Office of Sustainability has been commissioned by the BayREN to serve additional leadership roles under the Codes and Standards Initiative as well as the Statewide Marketing, Outreach and Education Plan.

## **California Public Utilities Commission (CPUC) Rolling Portfolio Committee**

In summer 2014, the CPUC entered into an Order Instituting Rulemaking (OIR) proceeding that would introduce a “rolling portfolio” cycle, currently projected to span 10 years (rather than 2-year, stop/start cycles). A Phase I Decision under this OIR Proceeding was rendered in October 2014, establishing a basis for a continuous rolling portfolio.

The Sustainability Office is a member of the 21-member statewide Coordinating Committee that is developing a comprehensive proposal for funding, implementing, reporting and evaluating programs and pilots under a Rolling Portfolio.

On March 9 and 10, 2015, the CPUC will host the first major workshop to consider Rolling Portfolio proposals, and the Coordinating Committee will present a comprehensive proposal that addresses portfolio applications, budgeting and provision for roll-over funds, fund-shifting protocols, restructuring of the existing program “buckets,” evaluation, monitoring and valuation (EM&V) technical processes, establishment of a permanent coordinating committee to convene stakeholders in program and pilot review, portfolio refresh procedures, and other key elements of the statewide energy efficiency programs transitioned to a rolling portfolio system.

## **Multi-Jurisdiction Greenhouse Gas (GHG) Inventories & Climate Action Plans Project**

The Sustainability Office manages a grant project to update government greenhouse gas (GHG) inventories, create community GHG inventories, and develop both a general template Measures Menu as well as customized Measures Menus for six municipalities (Cupertino, Gilroy, Morgan Hill, Mountain View, San Jose and Saratoga) and the unincorporated county (collectively referred to as the MCAPs Project). MCAPs is funded through a PG&E grant and other resourced funds.

The MCAPs Project is on track to complete for all municipal jurisdictions in the first quarter of the 2015 calendar year. The Sustainability Office has completed the County's Local Government Operations GHG Inventory update, hosted a number of internal stakeholder workshops, and created a master menu of department-specific climate mitigation strategies, programs, and policies. The Sustainability Office anticipates completion of the process for the County's Local Government Internal Operations Climate Action Plan in summer 2015, with a presentation before FGOC in June 2015. (FAF has requested that the Sustainability Office manage the update to the Government Operations Climate Action Plan, as well as the development of the Community Climate Action Plan.)

In addition, the Office has completed the County's community GHG inventory, and has worked with PG&E to obtain and review aggregated energy use data for the unincorporated county. This work reveals that the overwhelming majority of the unincorporated county's emissions are attributable to transportation and manufacturing sources. This data will inform a plan proposal the Sustainability Office will bring before FGOC, also in June 2015.

### **CHILD IMPACT**

Sustainability, energy and climate action programs, projects, and activities are undertaken by the County to serve the economic, environmental and social interests of the community, including those impacting children and youth.

### **SENIOR IMPACT**

Sustainability, energy, and climate action programs, projects, and activities are undertaken by the County to serve the economic, environmental and social interests of the community, including those impacting seniors.

### **SUSTAINABILITY IMPLICATIONS**

The recommended actions review, approve and support programs, projects, and activities that balance public policy and program interests, and which advance the Board of Supervisors' sustainability objectives to foster a healthy environment, protect resources and public health and safety, promote a diverse economy, and advance social equity and safety.

## **BACKGROUND**

The Sustainability Office was established by the Board on August 24, 2010, commenced preliminary operations on October 11, 2010 and official operations on November 8, 2010. Among its directives, the Sustainability Office was tasked with promoting sustainability approaches, policies and programs throughout the County's departments and offices, as well as enhancing the County's regional, state and national leadership in climate mitigation, adaptation, and all other sustainability resource, equity, and economic sectors.

The Quarterly and Annual Sustainability and Climate Action Reports are a means of recording and reporting progress back to FGOC and the Board, and to serve as a public reference source