



COUNCIL ENVIRONMENTAL SUSTAINABILITY COMMITTEE

AGENDA

REGULAR MEETING – WEDNESDAY, APRIL 9, 2014
PLAZA CONFERENCE ROOM AT CITY HALL – 500 CASTRO STREET
6:30 P.M.

1. **CALL TO ORDER**

2. **ROLL CALL**

Committee Members: Ronit Bryant, Chris Clark, and Chair Jac Siegel.

3. **MINUTES APPROVAL**

Minutes for the November 18, 2013 meeting have been delivered to Committee members and copies posted on the City Hall bulletin board. If there are no corrections or additions, a motion is in order to approve these minutes.

4. **ORAL COMMUNICATIONS FROM THE PUBLIC**

This portion of the meeting is reserved for persons wishing to address the Committee on any matter not on the agenda. Speakers are limited to three minutes. State law prohibits the Committee from acting on nonagenda items.

5. **UNFINISHED BUSINESS** – None.

6. **NEW BUSINESS**

6.1 **ENVIRONMENTAL SUSTAINABILITY ACTION PLAN 2 UPDATE**

Overview:

Staff will present an update on the progress of items in Environmental Sustainability Action Plan 2 (ESAP-2). Staff seeks guidance from the Committee regarding the development of future sustainability plans.

Recommendation:

Provide direction to staff regarding the development of future plans guiding the City's environmental sustainability efforts.

6.2 ENERGY UPGRADE MOUNTAIN VIEW PROGRAM UPDATE

Overview:

Staff will present a progress update on the City's Energy Upgrade Mountain View (EUMV) residential energy efficiency program.

Recommendation:

None.

6.3 ELECTRIC VEHICLE CHARGER DEPLOYMENT UPDATE

Overview:

Staff will provide an update on its progress toward researching alternatives for the deployment of additional electric vehicle (EV) charging stations in Mountain View.

Recommendation:

None.

7. COMMITTEE/STAFF COMMENTS, QUESTIONS, COMMITTEE REPORTS

No action will be taken on any questions raised by the Committee at this time.

8. ADJOURNMENT

SA/3/PWK
916-04-09-14A-E

AGENDAS FOR BOARDS, COMMISSIONS, AND COMMITTEES

- The specific location of each meeting is noted on the notice and agenda for each meeting which is posted at least 72 hours in advance of the meeting. Special meetings may be called as necessary by the Committee Chair and noticed at least 24 hours in advance of the meeting.
- Questions and comments regarding the agenda may be directed to the Transportation and Business Services Division of the Public Works Department at (650) 903-6311.
- Interested persons may review the agenda and staff reports at the Public Works Department counter beginning at 4:00 p.m. the Friday evening before each regular meeting. A copy can be mailed to you upon request. Staff reports are also available during each meeting.
- **SPECIAL NOTICE—Reference: Americans with Disabilities Act, 1990**
Anyone who is planning to attend a meeting who is visually or hearing-impaired or has any disability that needs special assistance should call the Public Works Department at (650) 903-6311 48 hours in advance of the meeting to arrange for assistance. Upon request by a person with a disability, agendas, and writings distributed during the meeting that are public records will be made available in the appropriate alternative format.
- The Board, Commission, or Committee may take action on any matter noticed herein in any manner deemed appropriate by the Board, Commission, or Committee. Their consideration of the matters noticed herein is not limited by the recommendations indicated herein.
- **SPECIAL NOTICE—**Any writings or documents provided to a majority of the Council Environmental Sustainability Committee regarding any item on this agenda will be made available for public inspection in the Public Works Department, located at 500 Castro Street, during normal business hours and at the meeting location noted on the agenda during the meeting.

ADDRESSING THE BOARD, COMMISSION, OR COMMITTEE

- Interested persons are entitled to speak on any item on the agenda and should make their interest known to the Chair.
- Anyone wishing to address the Board, Commission, or Committee on a nonagenda item may do so during the “Oral Communications” part of the agenda. Speakers are allowed to speak one time on any number of topics for up to three minutes.



COUNCIL ENVIRONMENTAL SUSTAINABILITY COMMITTEE

MINUTES

REGULAR MEETING – MONDAY, NOVEMBER 18, 2013
PLAZA CONFERENCE ROOM AT CITY HALL – 500 CASTRO STREET
7:00 P.M.

1. CALL TO ORDER

The meeting was called to order at 7:00 p.m. by Chair Clark.

2. ROLL CALL

Present: Committee members Ronit Bryant, Jac Siegel, and Chair Chris Clark.

Absent: None.

Staff Present: Linda Forsberg, Transportation and Business Manager; Steve Attinger, Environmental Sustainability Coordinator; Lori Topley, Solid Waste Program Manager; and Cynthia Palacio, Senior Administrative Analyst.

3. MINUTES APPROVAL

Motion – M/S Siegel/Bryant – Carried 3-0 – Approve the minutes of the March 14, 2013 meeting.

4. ORAL COMMUNICATIONS FROM THE PUBLIC

Bruce Karney spoke regarding the City's efforts to meet its community-wide greenhouse gas (GHG) reduction targets. Mr. Karney suggested Community Choice Aggregation (CCA) as a model the City could use to achieve its GHG reduction targets, and mentioned that a group of residents in Mountain View is investigating the feasibility of CCA for the City.

Cherie Walkowiak spoke about Carbon Free Mountain View, a group working on ways to enable the City to use 100 percent carbon-free electricity.

Tian Harter commented that the Bay Area Air Quality Management District recently voted on more aggressive targets to reduce GHG emissions.

John Scarboro commented that CCA is an avenue Mountain View could use to substantially reduce its carbon footprint in a way most amenable to its residents.

5. **UNFINISHED BUSINESS** – None.

6. **NEW BUSINESS**

6.1 **POLYSTYRENE FOAM FOOD SERVICE WARE ORDINANCE AND ADMINISTRATIVE INSTRUCTION**

Senior Administrative Analyst Palacio presented an oral staff report and responded to the Committee's questions.

Speaking from the floor in support of the ordinance and administrative instruction:

- Bruce Karney

Motion – M/S Bryant/Siegel – Carried 3-0 – To: (1) recommend the City Council adopt an ordinance of the City of Mountain View adding Article V to Chapter 16 of the Mountain View City Code related to use of polystyrene foam food service ware by food providers; and (2) recommend to the City Manager to move forward with the administrative instruction.

6.2 **ELECTRIC VEHICLE CHARGER DEPLOYMENT**

Environmental Sustainability Coordinator Attinger presented an oral staff report and he and the Transportation and Business Manager responded to Committee questions.

Speaking from the floor in support of the City deploying additional electric vehicle (EV) charging stations and charging users for the power and/or offering suggestions:

- Bruce Karney
- John Carpenter
- Cherie Walkowiak
- David Paradise
- Jennifer Anderson
- John Scarboro

The Committee requested staff return with additional information regarding:

- Providers/operating models for EV chargers
- Cost
- Potential locations
- EV chargers in other cities
- Growth projections for EV use
- Potential for charging for the electricity used

6.3 ENERGY UPGRADE MOUNTAIN VIEW UPDATE

Environmental Sustainability Coordinator Attinger presented an oral staff report and responded to the Committee's questions.

Speaking from the floor in support of Energy Upgrade Mountain View and/or making comments:

- John Carpenter

7. COMMITTEE/STAFF COMMENTS, QUESTIONS, COMMITTEE REPORTS

None.

8. ADJOURNMENT

The meeting was adjourned at 8:43 p.m.

**MEMORANDUM**

Public Works Department

DATE: April 9, 2014

TO: Council Environmental Sustainability Committee

FROM: Steve Attinger, Environmental Sustainability Coordinator
Linda Forsberg, Transportation and Business Manager
Michael A. Fuller, Public Works Director

SUBJECT: Environmental Sustainability Action Plan 2 Update

RECOMMENDATION

Provide direction to staff regarding the development of future plans guiding the City's environmental sustainability efforts.

BACKGROUND AND ANALYSIS

The City Council adopted the City's first Environmental Sustainability Action Plan (ESAP) in March 2009 to serve as a road map for achieving the City's short- and long-term sustainability goals. Many of the initiatives included in the ESAP were identified as proposed strategies and actions in the 2008 Environmental Sustainability Task Force's (ESTF) final recommendations. The ESAP identified 25 initiatives for completion between Fiscal Years 2008-09 and 2010-11.

After receiving input from the Council Environmental Sustainability Committee (CESC) and the community, the City Council adopted an Environmental Sustainability Action Plan 2 (ESAP-2) in April 2012, representing the City's continued road map for strategic investment in environmental sustainability initiatives. ESAP-2 identified 32 initiatives for completion between Fiscal Years 2011-12 and 2013-14. Many of the 32 actions are complete or in process, as shown in Attachment 1. Work on ESAP and ESAP-2 items not completed by the end of Fiscal Year 2013-14 will be continued into and completed in Fiscal Year 2014-15.

In February 2013, the City Council authorized staff to participate in a program led by Santa Clara County and Joint Venture Silicon Valley to collaboratively develop community-wide and government operations climate action plans with other Santa Clara County cities through funding provided by PG&E and Strategic Growth Council

grant funds. Specifically for Mountain View, the development of a government operations Climate Action Plan (CAP) and a community-wide Climate Protection Roadmap (CPR) will provide the City with a more comprehensive framework and set of strategies, policies, programs, and actions the City can undertake to achieve its short- and long-term greenhouse gas (GHG) emission reduction targets—something the current task-based ESAP and ESAP-2 plans lack. Staff anticipates presenting the completed CAP and CPR to the City Council for review and action before the end of 2014.

Staff proposes that development of the City's next environmental sustainability plan (or plans) be delayed until after City Council action on the CAP and CPR later this year. In the interim, staff will complete work on all of the outstanding ESAP and ESAP-2 work items, while concurrently finalizing the CAP and CPR documents for Council review and action. Staff requests direction from the Committee on this proposal.

SA-LF-MAF/7/PWK

916-04-09-14M-E-1

Attachment: 1. Status of Environmental Sustainability Action Plan 2 Actions

cc: PWD, TBM, CDD, ACDD/PM, PP

Status of Environmental Sustainability Action Plan 2 (ESAP-2) Actions

Attachment 1

Fiscal Year 2011-12

No.	Action	Status/Comments
1.	Complete installation of solar systems at Golf Pro Shop and Shoreline Maintenance Facility via Power Purchase Agreement (PPA).	Project terminated – contractor breach of contract. Sites included in Alameda County-led Regional Renewable Energy Procurement (REP) initiative. Expected installation in winter 2014-15.
2.	Consider participation in regional Renewable Energy Procurement (REP) project for installation of additional renewable energy systems on City facilities.	COMPLETE
3.	Complete “Greening the Library” capital project.	In process. Expected completion by winter 2014/ spring 2015.
4.	Continue implementation of Energy Upgrade Mountain View (EUMV).	COMPLETE – EUMV funded through June 30, 2014.
5.	Present Greenhouse Gas Reduction Program (GGRP) to Council for adoption as part of General Plan update.	COMPLETE
6.	Complete 2010 government operations greenhouse gas (GHG) inventory and measure it against 2010 reduction target.	In process. Expected completion by summer 2014.
7.	Evaluate and propose green building incentives to be included in Precise Plan, General Plan, and/or zoning amendments.	In process. Implementing green building requirements above code minimums and creating incentives in Precise Plans and certain Gatekeeper projects.
8.	Participate in regional sustainable planning efforts (e.g., Plan Bay Area, Grand Boulevard Initiative, Bus Rapid Transit, etc.).	COMPLETE and ongoing.
9.	Update City sustainability website.	COMPLETE
10.	Explore making rubberized asphalt the City standard for street resurfacing projects.	COMPLETE . As a standard, the City uses rubberized asphalt whenever feasible.
11.	Report on Integrated Pest Management (IPM) techniques currently in use.	COMPLETE
12.	Upgrade electric vehicle chargers in Civic Center garage.	COMPLETE
13.	Participate in a regional automated bicycle rental program.	COMPLETE and on-going. City is participating in the Bay Area Bike Share program.
14.	Explore feasibility of a community shuttle service.	In process. Being pursued as part of Transportation Management Association (TMA).
15.	Present Pedestrian Master Plan to Council for adoption.	COMPLETE
16.	Present Zero Waste Plan (ZWP) to Council for adoption.	In Process. ZWP scheduled for Council action by September 2014.
17.	Prepare work plan for bans on single-use bags and expanded polystyrene (EPS) food containers for Council approval.	COMPLETE – Reusable bag ordinance effective April 22, 2013. EPS ordinance effective July 1, 2014.
18.	Report on current training of Shoreline Park staff and contractors in wildlife preservation.	COMPLETE

Fiscal Year 2012-13

No.	Action	Status/Comments
1.	Present staff recommendation regarding participation in regional Renewable Energy Procurement (REP) project for installation of additional renewable energy systems on City facilities.	COMPLETE
2.	Investigate feasibility of installing solar hot water in City buildings.	In process. Part of building audit program, with expected completion by fall 2014.
3.	Identify and implement additional green building technologies in City facilities (using 2010 government operations GHG inventory data analysis).	In process. Part of building audit program. Potential upgrades identified by fall 2014 with implementation occurring as staff and budget resources allow.
4.	Investigate feasibility of conducting a green roofs pilot program.	Delayed due to City developing government operations and the community Climate Action Plans.
5.	Continue implementation of Energy Upgrade Mountain View (EUMV).	COMPLETE – EUMV funded through June 30, 2014.
6.	Investigate incorporating sustainability components into recreation programs at elementary and middle schools.	COMPLETE
7.	Develop a budget proposal for a sustainability outreach and engagement campaign with residents and businesses.	COMPLETE
8.	Participate in a regional automated bicycle rental program.	COMPLETE and ongoing.
9.	Investigate establishing a fee for use of electric vehicle charging stations at City facilities.	In process. Expected completion by fall/winter 2014.
10.	Evaluate further refinements to water bill design.	COMPLETE
11.	Conduct a permeable surface pilot program at McKelvey Park.	In process. The pilot will be conducted at the Teen Center rather than McKelvey Park, with expected completion by fall 2014.

Fiscal Year 2013-14

No.	Action	Status/Comments
1.	Identify and implement additional green building technologies in City facilities (using 2010 government operations GHG inventory data analysis).	In process. Part of building audit program. Potential upgrades identified by fall 2014 with implementation occurring as staff and budget resources allow.
2.	Investigate a potential energy/GHG tracking system for City facilities and the community.	In process. Part of building audit program. Expected completion by winter 2014.
3.	Complete 2012 community-wide GHG inventory and measure it against 2012 reduction target.	Delayed due to City developing government operations and the community Climate Action Plans. A budget proposal has been submitted for Fiscal Year 2014-15.

**MEMORANDUM**

Public Works Department

DATE: April 9, 2014

TO: Council Environmental Sustainability Committee

FROM: Steve Attinger, Environmental Sustainability Coordinator
Linda Forsberg, Transportation and Business Manager
Michael A. Fuller, Public Works Director

SUBJECT: Energy Upgrade Mountain View Program Update

PURPOSE

This memorandum provides an update on the City's Energy Upgrade Mountain View (EUMV) program.

BACKGROUND

The City of Mountain View launched its Energy Upgrade Mountain View (EUMV) program on April 22, 2011 (Earth Day). The EUMV program was created to assist Mountain View residents, both homeowners and renters, save money on their utility bills and reduce their household carbon emissions. EUMV offers free home energy assessments and focuses on identifying easy energy-saving actions that provide the greatest savings at the lowest or no cost. Residents signing up for EUMV receive a personalized analysis of their home energy use and, based on their energy use profile, receive customized services, support, and recommendations to reduce their energy use and carbon emissions. EUMV participants also receive monthly energy usage alerts, monthly energy saving tips, and online access to their home energy profiles.

Phase 1 of the EUMV program was originally funded with \$343,000 from the Federal Energy Efficiency and Conservation Block Grant (EECBG) program, through December 31, 2012. On December 11, 2012, the City Council authorized a six-month extension (through June 30, 2013) and \$10,000 for a more limited EUMV program.

As part of the Fiscal Year 2013-14 budget, the Council appropriated \$85,000 for a one-year continuation of the more robust EUMV program, with a goal of signing up 500 additional residents.

ANALYSIS

Since EUMV's initial launch in April 2011, the program has achieved the following results:

- More than 1,660 participants have enrolled in the program, with more than 360 new residents signing up since July 2013 during Phase 2. Continuing at this rate, Phase 2 of EUMV is on track to meet or exceed its goal of 500 new sign-ups by the end of the fiscal year.
- The top 25 percent of EUMV participants, in terms of highest energy bills, reduced their individual energy expenses by approximately \$230 per year on average. Among this group, the highest dollar savings achieved was about \$2,400 per year, a savings of 60 percent. The highest energy savings achieved was about 6,500 kWh per year, a 50 percent reduction.
- The average EUMV participant lowered their energy bill by approximately \$75 per year, and participants collectively have saved more than \$75,000.
- Participating households, collectively, have prevented about 608,000 pounds (276 metric tons) of carbon (CO₂e) from entering the atmosphere, which is equivalent to removing approximately 57 vehicles from the road for a year, or saving 31,000 gallons of gasoline.

Outreach

Similar to the first phase of the program, the City is promoting EUMV through numerous channels, such as the utility bill, evening workshops, *The View* newsletter, the website, Facebook, neighborhood associations, Thursday Night Live events, Mountain View green businesses, multi-family property owners, and neighborhood canvassing.

As noted above, the City hosts evening, hands-on educational workshops for Mountain View residents to learn more about EUMV and how they can save energy in their homes or apartments. EUMV has held six such workshops since July 2013, registering 179 residents, and plans to hold one more before the end of Phase 2.

NEXT STEPS

City staff will continue working with the program's administrator during the remaining three months of the program to maximize the number of residents participating. These efforts will include:

- Continuing to leverage City communication channels (e.g., the utility bill, *The View*, and the Recycling Resource), which have by far been the most successful avenues for gaining resident participation.
- Expanding outreach efforts to multi-family property owners. This will include working with Santa Clara County staff and the Energy Upgrade California Multi-Family Program to encourage property owners in Mountain View to make energy efficiency a priority.
- Engaging the local news media to cover EUMV.
- Having a presence at the Annual Spring Family Parade event.

CONCLUSION

The City's EUMV program is scheduled to end on June 30, 2014. Since the program started in April 2011, it has helped more than 1,660 Mountain View residents save energy and money, and reduce carbon emissions by approximately 276 metric tons.

SA-LF-MAF/3/PWK
916-04-09-14M-E-2

cc: PWD, TBM, CDD

**MEMORANDUM**

Public Works Department

DATE: April 9, 2014

TO: Council Environmental Sustainability Committee

FROM: Steve Attinger, Environmental Sustainability Coordinator
Linda Forsberg, Transportation and Business Manager
Michael A. Fuller, Public Works Director

SUBJECT: Electric Vehicle Charger Deployment Update

PURPOSE

This memorandum describes staff's progress toward researching alternatives for the deployment of additional electric vehicle (EV) charging stations in Mountain View.

BACKGROUND AND ANALYSIS

At its November 18, 2013 meeting, the Committee requested staff research alternatives for the deployment of additional EV chargers in Mountain View and return to the Committee with additional information regarding:

- Costs (operating, installation, electricity).
- Possible locations (with a focus on City facilities) and recommended number of chargers.
- Growth projections for EV use.
- Funding opportunities.
- What other nearby cities are doing regarding the deployment of EV chargers.
- A recommendation regarding whether or not to charge for the electricity used.

Progress in preparing this information for the Committee's review has been delayed as staff has pursued a unique opportunity for the installation of additional EV charging stations in the community.

In December 2013, staff learned of the Bay Area Climate Collaborative's (BACC) effort to coordinate and submit a \$500,000 grant application to the California Energy Commission (CEC) on behalf of local agencies in the nine-county Bay Area region to fund the deployment of additional EV charging infrastructure throughout the region. The City submitted a request to the BACC for the inclusion of five dual-port charging stations at the 850 California Street parking structure in the grant request, which would enable 10 vehicles to charge simultaneously. This site was proposed by staff for additional charging stations because:

- From a construction perspective, it is simpler to concentrate the installations in one location rather than scattering them throughout the downtown area or larger community.
- Concentrating the stations in one location provides an EV charging destination that regular visitors to downtown Mountain View driving EVs will be able to remember.
- A sign can be placed at the entrance to the parking structure announcing that EV charging stations are located within the structure.
- There are solar photovoltaic panels on the structure to help supply some of the power needed for the charging stations.

The City will incur minimal costs for the installation of the five charging stations, likely between \$5,000 and \$20,000. Staff estimates City expenses associated with the ongoing operation of the five charging stations at between \$5,000 and \$10,000 per year.

A decision by the CEC regarding the City's funding request for the five new EV charging stations is expected by the end of March 2014. Installation could be scheduled for fall 2014.

NEXT STEPS

Staff will continue researching options for the deployment of additional EV chargers in Mountain View and return to the Committee in the near future with an update regarding the City's success in securing CEC funding for the five additional EV charging stations, as well as the information the Committee requested in November regarding a potential broader deployment of EV charging stations in Mountain View.

SA-LF-MAF/7/PWK/916-04-09-14M-E

cc: PWD, TBM, CDD, EDM, BDS, FFM