CITY OF MOUNTAIN VIEW

COUNCIL ENVIRONMENTAL SUSTAINABILITY COMMITTEE AGENDA

REGULAR MEETING – THURSDAY, DECEMBER 1, 2011
ATRIUM CONFERENCE ROOM AT CITY HALL – 500 CASTRO STREET
6:00 P.M.

1. CALL TO ORDER

2. ROLL CALL

Committee Members: Laura Macias, Jac Siegel and Chair Ronit Bryant.

3. 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.

4. MINUTES APPROVAL

Minutes for the May 23, 2011 meeting have been delivered to the 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.

5. NEW BUSINESS

5.1 SINGLE-USE CARRY-OUT BAGS AND EXPANDED POLYSTYRENE TAKE-OUT FOOD CONTAINER ORDINANCES

Overview:

Staff will provide an update regarding single-use bag and polystyrene take-out food container ordinances in Santa Clara County.

Recommendation:

None.

5.2 ENVIRONMENTAL SUSTAINABILITY ACTION PLAN UPDATE

Overview:

Staff will present recommended actions for inclusion in a new Environmental Sustainability Action Plan (ESAP).

Recommendation:

None.

6. COMMITTEE/STAFF COMMENTS, QUESTIONS AND REPORTS

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

7. ADJOURNMENT

LF/7/PWK
901-12-01-11A^

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.

REGULAR MEETING – MONDAY, MAY 23, 2011
COUNCIL CHAMBERS AT CITY HALL – 500 CASTRO STREET
6:00 P.M.

1. CALL TO ORDER

The meeting was called to order at 6:00 p.m. by Chair Bryant.

2. ROLL CALL

Committee Members: Laura Macias (6:15 p.m.), Jac Siegel and Chair Ronit Bryant.

City Staff Present: Linda Forsberg, Transportation and Business Manager; Lori Topley, Solid Waste Program Manager; and Steve Attinger, Environmental Sustainability Coordinator.

3. ORAL COMMUNICATIONS FROM THE PUBLIC—None.

4. MINUTES APPROVAL

Motion—M/S Siegel/Bryant—Carried 2-0—Approve the minutes of the April 11, 2011 meeting.

5. NEW BUSINESS

5.1 ENVIRONMENTAL SUSTAINABILITY ACTION PLAN UPDATE

Barry Groves, Superintendent of the Mountain View-Los Altos High School District, presented the sustainability accomplishments of various schools, highlighting achievements such as solar energy generation, energy and water conservation, waste reduction, recycling, bike-to-school programs and green buildings.

Staff introduced the item by providing an overview of the status of each of the 25 initiatives comprising the City's Environmental Sustainability Action Plan (ESAP) and of other environmental sustainability activities currently under way. Staff requested Committee and community input regarding which future environmental sustainability initiatives should be included in a next version of the ESAP, the relative priority of the initiatives and the time frame to be covered by the new plan.

The Committee members and members of the public, including representatives from Los Altos High School and the former Environmental Sustainability Task Force, provided input on which actions to include in the next ESAP.

Katrina Apilado of the Chamber of Commerce and Craig Goldman of the Mountain View-Whisman School District highlighted their organization's accomplishments toward going "green."

The Committee then directed staff to prepare a draft list of potential actions for the new ESAP for the Committee to review in the fall, based on the following feedback:

- Group the actions by logical categories and identify actions that help the City monitor its progress;
- Identify the effort involved;
- Specify an approximate cost for each action;
- Indicate whether the action is already funded or not; and
- Highlight which actions need one-time versus ongoing funding.

6. **COMMITTEE/STAFF COMMENTS, QUESTIONS AND REPORTS**—None.

7. **ADJOURNMENT**

The meeting was adjourned at 8:35 p.m.

SPA/7/PWK
916-05-23-11mn-E^

CITY OF MOUNTAIN VIEW
MEMORANDUM

DATE: November 3, 2011

TO: Council Environmental Sustainability Committee

FROM: Lori Topley, Solid Waste Program Manager

SUBJECT: SINGLE-USE CARRY-OUT BAGS AND EXPANDED POLYSTYRENE TAKE-OUT FOOD CONTAINER ORDINANCES

This memorandum provides the Council Environmental Sustainability Committee (CESC) with an update regarding single-use bag and polystyrene take-out food container ordinances in Santa Clara County.

The CESC may wish to use the information provided to make a recommendation to the full City Council regarding how to address these issues in the City of Mountain View.

SINGLE-USE BAG ORDINANCES

Santa Clara County Cities Association Action

On June 9, 2011, the Santa Clara County Cities Association (Cities Association) voted unanimously to support a recommendation from its Subcommittee on Single-Use Bags to adopt a common vision and regional strategy on the ban of single-use bags in order to avoid practical and political problems inherent in the use of plastic bags such as residents in a city with a ban switching to stores in a city without a ban.

To that end, the Cities Association encourages its member cities to:

- Adopt ordinances restricting the distribution of single-use carry-out bags using the City of San Jose's process, ordinance and Environmental Impact Report (EIR) as models;
- Establish a maximum of $2 in fees per patron per transaction for the first three years of adoption of a bag ordinance, with no maximum fee after three years;
- Monitor the effectiveness of any adopted ordinances and increase paper bag fees as appropriate to maintain the effectiveness of restrictions.

Recycling and Waste Reduction Commission Action

In October 2009, the Santa Clara County Recycling and Waste Reduction Commission (RWRC) recommended that Santa Clara County, and all cities within the County, establish bans on single-use plastic bags and impose bans or fees on the distribution of paper bags at all retailers, excluding restaurants and fast-food establishments. Nonprofit reuse stores (e.g., Goodwill Industries and Salvation Army) would be initially exempted from the ban and/or fee requirement for a period of one year if they had a reusable bag credit program in place.

County of Santa Clara

The County Board of Supervisors unanimously adopted an ordinance in May 2010 banning single-use plastic bags and requiring retailers to charge a 15-cent-per-bag fee for recycled content paper bags. The ordinance covers 50 to 60 retail stores in the unincorporated County, but does not include restaurants. The ordinance goes into effect January 1, 2012. There were no challenges to the Mitigated Negative Declaration prepared for this ordinance. At the time of the ordinance adoption, County staff had estimated CEQA, legal and outreach/education costs of approximately $52,000. Additionally, Integrated Waste Management Division staff indicates they spent about 1,600 hours developing the ordinance and conducting outreach and education activities.

City of San Jose

The San Jose City Council adopted an ordinance in December 2010 that will go into effect on January 2, 2012 and will apply to approximately 5,000 businesses, not including restaurants. The ordinance bans plastic bags and requires a 10-cent fee for recycled content paper bags. The fee increases to 25 cents per bag after two years. City staff conducted an extensive public input process and estimates the City spent approximately $186,000 to conduct stakeholder meetings, provide outreach and education and ready merchants and residents for implementation. An additional $140,000 was spent to prepare the EIR. Ongoing outreach, technical assistance and enforcement will be absorbed by existing staff.

City of Sunnyvale

In November 2010, the City Council directed staff to prepare an ordinance banning single-use plastic bags and requiring a 15-cent charge for recycled content paper bags. An EIR was prepared and a proposed ordinance is scheduled to be considered by Council on December 6, 2011. As proposed, the ordinance would take effect in mid-2012 and applies to 99 retailers (the only nonfood retailers included are those larger

than 10,000 square feet in size). The City spent $50,000 on the EIR, and approximately 600 staff hours (to date) working with the EIR consultant, researching and drafting an ordinance and holding stakeholder and scoping meetings.

City of Milpitas

A single-use bag ban study was completed by a consultant and the City Council was scheduled to consider directing staff to prepare an ordinance on October 4, 2011. However, the item was continued to a date uncertain to allow the City Attorney time to review a lawsuit filed against Los Angeles County on October 3 (as discussed further below).

City of Gilroy

The Gilroy City Council previously considered the question of a ban on single-use plastic bags and determined there was no interest. On September 12, 2011, the City Council approved a resolution that encourages the use of reusable bags by residents and shoppers to help reduce or eliminate single-use plastic bags and discourages the use of polystyrene containers. The City Council has not approved any additional steps to restrict the use of single-use bags or polystyrene take-out food packaging.

City of Mountain View

A Bring-Your-Own-Bag campaign was kicked off in July 2011 and is ongoing. The City provided signs, posters, buttons and shopping list pad giveaways free of charge to local grocery stores and pharmacies as incentives to participate in the program to remind shoppers to bring their own bags when they shop. The campaign was advertised on the City's web site, KMVT, the *Mountain View Voice* and other advertising.

Other Communities

To staff's knowledge, no other cities in Santa Clara County are actively working on ordinances banning the use of single-use bags.

Several other communities in California have recently adopted single-use plastic bag ordinances, including Santa Cruz County, Marin County, Los Angeles County, Santa Monica, Long Beach, Calabasas and Manhattan Beach. Cities with ordinances already in effect include Palo Alto, Fairfax, Malibu and San Francisco.

Legal Challenges

A city's obligations under CEQA have been key in the consideration and adoption of bag ordinances in California. Opponents of bag bans have challenged various CEQA processes used for the adoption of bag ordinances. Early on, the courts invalidated bag ordinances that were not evaluated by a full EIR. The Cities of San Jose and Sunnyvale prepared EIRs for their ordinances. Recently, the California Supreme Court overturned one of the earliest court actions that had invalidated Manhattan Beach's ordinance, ruling that the Negative Declaration adopted for that ordinance was sufficient. Because the ruling is specific to Manhattan Beach, it is still necessary for each city to determine the level of environmental review needed based on the scope of any proposed ordinance language.

On October 3, 2011, a lawsuit was filed against Los Angeles County by South Carolina-based plastic bag manufacturer Hilex Poly. The suit challenges the provision in Los Angeles County's ordinance requiring retailers to charge consumers a 10-cent fee for a paper bag, claiming the fee violates the terms of Proposition 26 (the November 2010 initiative aimed at requiring a two-thirds vote for all "taxes"). No information about the status of the lawsuit is available yet.

EXPANDED POLYSTYRENE TAKE-OUT FOOD PACKAGING

Santa Clara County Recycling and Waste Reduction Commission Action

The RWRC spent approximately 12 months researching the appropriate disposal and management of expanded polystyrene (EPS). This effort included soliciting extensive input from solid waste professionals, environmental and industry groups and other stakeholders. The intent of the RWRC, while recognizing the need for each jurisdiction to consider the best fit for their community, was to encourage all county jurisdictions to adopt consistent EPS-related policies, making it easier for businesses and the public to respond.

On June 27, 2011, the RWRC voted unanimously to recommend that Santa Clara County, and the cities within the County (Attachment 1), adopt the following approach to addressing the negative environmental effects of EPS in Santa Clara County:

- **By January 1, 2012:** Begin outreach and education and adopt a policy prohibiting expanded polystyrene food and beverage containers in all County or city cafeterias, facilities and events and prohibiting the use of expanded polystyrene by anyone or any group utilizing County or city facilities and parks.

- **By July 1, 2012:** Adopt an ordinance banning expanded polystyrene food and beverage containers at all food vendors County- or city-wide and/or consider adopting an ordinance requiring that all food vendors within the County or city use only containers that are accepted and processed through the County or city's landfill diversion program with the understanding that EPS will not be collected for recycling.

- **By January 1, 2013:** Strongly consider a long-term plan for requiring that all food vendors within the County or city use only containers that are accepted and processed through the County or city's landfill diversion program with the understanding that EPS will not be collected for recycling (if not undertaken previously).

City of San Jose

Effective May 2010, a city policy requires special events with over 1,000 attendees to ban Styrofoam™ use by food vendors. As directed by a council committee, staff is currently considering ways to further reduce disposable food ware litter in the City of San Jose. A series of input meetings is currently being conducted with restaurant, cafeteria and food truck representatives, recyclers, makers of food ware, consumers and community members. The Committee anticipates considering options, as presented by staff, in December 2011.

Palo Alto

Palo Alto's ordinance restricts food vendors from providing prepared food in disposable food service containers made from expanded polystyrene or nonrecyclable plastic. The Palo Alto ordinance went into effect on April 22, 2010. Food vendors are defined as retail food vendors, cafeterias, sidewalk and outdoor food vendors, food vehicles and caterers. The ordinance also applies to city facilities, city-managed concessions, city-sponsored events and city-permitted events.

Santa Clara County

On October 25, 2011, the County Board of Supervisors directed County staff to provide recommendations related to appropriate disposal and management of expanded polystyrene packaging at County facilities and offices, County-sponsored events and for food vendors in unincorporated Santa Clara County. The staff recommendations will be considered by the Board in December 2011.

Other Communities

Staff is not aware of any other Santa Clara County cities that are working on EPS ordinances. A number of jurisdictions in California have ordinances that either ban all polystyrene food ware or just ban expanded polystyrene. Bay Area communities with ordinances include Millbrae, Pacifica, San Bruno, San Francisco, Fremont, Alameda, Oakland, Hayward, Berkeley, Emeryville, Fairfax, Marin County, Santa Cruz, Capitola, Scotts Valley and Santa Cruz County.

Legal Challenges

Staff is not aware of any significant legal challenges in those communities that have adopted ordinances banning polystyrene.

COMMUNITY SURVEYS

In determining possible next steps to address the use of single-use carry out bags and polystyrene food ware in Mountain View, the CESC may also wish to consider the results of refuse collection customer surveys staff recently conducted to assist with the development of program options for both the Zero Waste Plan and the new collection services agreement. Surveys were sent to 1,000 single-family cart customers (212 responses); 300 multi-family shared bin customers (17 responses); and about 1,000 businesses (64 responses).

One of the questions gauged support for a ban on single-use plastic bags and/or polystyrene take-out food packaging. Refuse collection customers were asked if they would support a City ordinance banning the use of either single-use plastic bags and/or polystyrene take-out food packaging (Styrofoam™). The results are provided below.

Would you support a City ordinance banning the use of the following products: single-use plastic bags? Polystyrene take-out food packaging (Styrofoam™)?

	Single-Use Plastic Bags			**Polystyrene Take-Out Food Packaging (Styrofoam™)**		
	Single-family	Multi-family	Commercial	Single-family	Multi-family	Commercial
Very Likely	39%	50%	30%	53%	61%	40%
Likely	17%	12%	23%	23%	22%	23%
Not Likely	39%	38%	36%	21%	17%	28%
Do Not Know	5%	0%	11%	3%	0%	9%

CONCLUSION

Staff requests feedback from the CESC regarding possible next steps to address the use and management of single-use carry out bags and expanded polystyrene take-out food packaging in Mountain View.

Prepared by:

Lori Topley
Solid Waste Program Manager

Linda Forsberg
Transportation and Business Manager

Approved by:

Michael A. Fuller
Public Works Director

LT-LF/6/PWK/944-10-20-11M-E^

Attachment: 1. Letter to Jac Siegel from Recycling and Waste Reduction Commission, dated July 19, 2011

ATTACHMENT 1

COPIES TO COUNCIL, CM, CA, PWD, Lori Topley

County of Santa Clara

Recycling and Waste Reduction Commission
Integrated Waste Management Division

1553 Berger Drive, Building #1
San Jose, California 95112
(408) 282-3180 FAX (408) 282-3188
www.ReduceWaste.org

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JUL 21 2011

CITY CLERK

July 19, 2011

Mayor Jac Siegel
City of Mountain View
500 Castro Street
Mountain View, CA 94041

Dear Mayor Siegel,

The Recycling and Waste Reduction Commission of Santa Clara County (RWRC) is an advisory body to the County and 15 cities/towns on proposed policy for addressing regional solid waste challenges. The RWRC is composed of ten elected officials who represent the range of local government solid waste system users and perspectives. With support from professional solid waste staff, the Commission works to understand current solid waste issues, review alternatives, and, as appropriate, develop recommendations for local jurisdictions.

The issue of appropriate disposal/management of expanded polystyrene (EPS) is a hot topic in California, and the Commission has spent the last year studying the issue. Expanded polystyrene is problematic to manage at the end of its useful life and is a major pollutant in creeks and waterways that flow to the Bay and beyond. Foam comprises 15% of storm drain litter, according to California Department of Transportation. It is the second most common type of beach litter, according to a beach debris study conducted in Orange County. Unlike other items that litter the waterways, polystyrene easily breaks into tiny pieces that can be mistaken for food and ingested by aquatic animals. The smaller lightweight pieces also contribute to roadside litter. CalTrans spends $60 million annually on litter clean up costs. While the overall amount of polystyrene foam as a percentage of litter may be small, the environmental impact of this product is disproportionately deleterious on aquatic life.

These negative impacts have prompted other cities and counties in the Bay Area to enact bans on EPS. One year after implementation of the San Francisco ordinance that prohibits the use of EPS food ware, San Francisco's litter audit showed a 36% decrease in EPS litter.

On June 27, 2011 after a year of research and review by the RWRC's Technical Advisory Committee's Source Reduction and Recycling Subcommittee – including extensive input from solid waste professionals, environmental and industry groups, and other stakeholders – the RWRC considered proposing regional policy to address the impacts of EPS.

Commissioners: Jamie McLeod, Chair; Ronit Bryant, Kansen Chu, Susan Garner, Jim Griffith, Linda J. LeZotte, Evan Low, Cat Tucker, Kris Wang, Mike Wasserman

After much discussion and debate, the RWRC voted unanimously to recommend that the County Board of Supervisors and City/Town Councils adopt the following:

1. Cities and the County begin outreach and education and adopt a **policy** prohibiting expanded polystyrene food and beverage containers in all County/City cafeterias, facilities and events and prohibiting the use of expanded polystyrene by anyone or any group utilizing County/City facilities/parks. It is recommended that this be adopted **by January 1, 2012.**

2. Cities and the County adopt an **ordinance** banning expanded polystyrene food and beverage containers at all food vendors County/Citywide **and/or** consider adopting an **ordinance** requiring that all food vendors within the jurisdiction use only containers that are accepted and processed through the City's/County's landfill diversion program with the understanding that EPS will **not be** collected for recycling. It is recommended that this be adopted **by July 1, 2012.**

3. Cities and the County strongly consider a long term plan (with their franchise agreements in mind) for requiring that all food vendors within the jurisdiction use only containers that are accepted and processed through the City's/County's landfill diversion program with the understanding that EPS **will not** be collected for recycling. It is recommended that this be adopted **by January 1, 2013** (if not undertaken previously).

While it is recognized that the County and each city/town will need to consider a best fit for their jurisdiction, adopting consistent regional policy makes it easier for businesses and the public to respond to the policy. As a multi-jurisdictional Advisory Commission, the RWRC believes that by addressing this problematic component of the waste stream utilizing this timeline, we can minimize the impact of EPS on future generations.

We encourage the County Board of Supervisors and City/Town Councils to consider this recommendation at an upcoming public meeting.

Thank you for your consideration of this important issue.

Best Regards,

Jamie McLeod, Chair
Recycling and Waste Reduction Commission of Santa Clara County

CITY OF MOUNTAIN VIEW
MEMORANDUM

DATE: November 21, 2011

TO: Council Environmental Sustainability Committee

FROM: Stephen P. Attinger, Environmental Sustainability Coordinator
Linda Forsberg, Transportation and Business Manager

SUBJECT: ENVIRONMENTAL SUSTAINABILITY ACTION PLAN UPDATE

PURPOSE

This memorandum presents staff recommendations for actions to be included in a new Environmental Sustainability Action Plan (ESAP). Staff seeks Council Environmental Sustainability Committee (CESC) comments on the proposed actions.

BACKGROUND AND ANALYSIS

The City Council adopted an original Environmental Sustainability Action Plan (ESAP) at its March 24, 2009 meeting 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 final recommendations (Attachment 1). The ESAP identified 25 initiatives for completion between Fiscal Years 2008-09 and 2010-11. Most of these initiatives are complete or under way. Detailed information regarding the status of each ESAP initiative is provided in Attachment 2.

The CESC met on April 11, 2011 to review the progress of the ESAP initiatives and to provide direction to staff regarding priorities for a new, multi-year Environmental Sustainability Action Plan (ESAP 2). At that meeting, the CESC requested another widely noticed meeting be held to provide community members with the opportunity to comment on current and future sustainability-related projects and priorities. A second CESC meeting to solicit this community input was held on May 23, 2011.

Proposed ESAP 2

Based on Committee and public comments, and a review of the original Task Force recommendations, staff has prepared a proposed ESAP 2 (Attachment 3). The list of proposed action items included in ESAP 2 were collected from: (a) suggestions made by the CESC and public during the April and May 2011 CESC meetings; (b) items

continuing from the original ESAP; (c) 2008 Task Force recommendations; and (d) staff recommendations. In deciding which actions to recommend for inclusion in ESAP 2, staff considered current staff resources and workloads, the level of effort required, the cost, the availability of funding to implement the action and, where possible, an estimate of each action's greenhouse gas (GHG) reduction potential.

Potential ESAP actions discussed during the April and May 2011 CESC meetings, but not recommended for inclusion in ESAP 2, are shown in Attachment 4. These actions are listed as they were stated and may not reflect the City's position/goals regarding the issue.

ESAP 2 and General Plan Update

The City is currently finalizing an update of its General Plan. The updated General Plan will address several sustainability-related recommendations developed by the 2008 Environmental Sustainability Task Force, including:

- Plan for Sea-Level Rise and Increased Flooding (2-1)
- Fully Implement a Network of Four Grand Boulevards in Mountain View as Part of the General Plan Process (6-7)
- Implement a Connected System of Healthy Villages (7-1)
- Encourage Livable, Higher-Density Housing (7-2)
- Diversify Land Uses in Underutilized Areas (7-5)
- Encourage Urban Agriculture and Preserve Open Space (7-7)

Because they are part of the General Plan process, these items have not been included in the proposed ESAP 2.

Two items in the original ESAP that were not completed, but not recommended for inclusion in ESAP 2, include:

- Secure technical assistance to establish an AB 811 benefit assessment district.
- Evaluate the feasibility of implementing a municipal renewable energy facility (AB 2466).

Work on both of these items is on hold at this time. The City Council approved participation in CaliforniaFIRST, a State-wide AB 811 program, in January 2010.

However, CaliforniaFIRST was unfunded by the California Energy Commission in July 2010 as a result of legal challenges and Federal agency objections. Staff is not pursuing further development or implementation of this financing mechanism for community energy-efficiency upgrades at this time, but will continue to monitor ongoing developments. Consequently, staff does not propose including this item in ESAP 2.

There are no current plans to implement a municipal renewable energy facility under the provisions of AB 2466 (energy generation at one location can be used to offset energy costs at another location). The rate tariff approved by the California Public Utilities Commission only allows the City to receive credit for a small portion of any energy it produces. This significantly limits the financial viability of constructing a renewable energy facility under AB 2466. As the City considers additional renewable energy projects, the costs and benefits of implementing an AB 2466 project will be weighed against other project options (e.g., entering into a power purchase agreement), but staff does not propose continuing to include an AB 2466-related item as a part of ESAP 2.

Fiscal Years 2012-13 and 2013-14 of the proposed new ESAP contain fewer actions than Fiscal Year 2011-12 due to the uncertainty of future Council approval and funding decisions related to items such as the development and implementation of a sustainability outreach campaign and the development of ordinances restricting the use of single-use carry-out bags and/or polystyrene take-out food containers. If the CESC would find it helpful, an annual review of the ESAP can be scheduled in the future so that the ESAP can be more regularly updated to reflect new CESC/Council priorities and funding decisions.

ESAP 2 and Greenhouse Gas Reduction Program (GGRP)

On a parallel track with development of ESAP 2, the City's Community Development Department is developing a related Greenhouse Gas Reduction Program (GGRP) in conjunction with the new General Plan. Staff from the Public Works and Community Development Departments have collaborated on the development of ESAP 2 and the GGRP. While both items focus on environmental sustainability initiatives, they have different purposes. The ESAP 2 contains a broad range of sustainability actions, whereas the GGRP focuses on specific actions to reduce greenhouse gases.

The GGRP will be presented to the Environmental Planning Commission (EPC) on December 7, 2011 and January 11, 2012. It will outline policies, goals and actions for the City to take toward meeting the Council-adopted, voluntary, community-wide GHG reduction targets.

CESC Comments

CESC input is requested in the following areas:

- The prioritization of the actions, as shown by the fiscal year in which they are proposed.
- Whether the list contains all the items deemed highest priority by the Committee.
- Whether any of the actions should be removed or delayed to a future year.

Based on input received from the CESC and community, staff may need to further research/refine some of the proposed actions. A revised ESAP 2 will be presented to the CESC for review. Following CESC approval, ESAP 2 will then be forwarded on to the full City Council for consideration.

CONCLUSION

Since its adoption in March 2009, the ESAP has served as a road map for achieving the City's short- and long-term sustainability goals. Significant progress has been made on most of the ESAP initiatives, as well as several other important environmental sustainability-related projects. CESC direction is requested to refine future environmental sustainability-related priorities and the establishment of a new, multi-year ESAP 2.

Prepared by:

Stephen P. Attinger
Environmental Sustainability Coordinator

Linda Forsberg
Transportation and Business Manager

Approved by:

Michael A. Fuller
Public Works Director

SPA-LF/7/PWK/916-11-14-11M-E^

Attachments:
1. 2008 Environmental Sustainability Task Force Recommendations
2. ESAP 1 Status Update
3. ESAP 2—Proposed Actions
4. Additional Potential ESAP 2 Actions

2008 ENVIRONMENTAL SUSTAINABILITY TASK FORCE RECOMMENDATIONS

ESAP 1 or 2 or Gen Plan	Title	Priority	S	M	L	Cost	CO_2e Reduct'n (Metric tons)	$ per Metric Ton
1. BASELINE AND MEASUREMENTS								
1	Adopt CO_2e Emissions Goals	1	✓			Unk	N/A	Unk
	Utilize ICLEI CO_2e Measurement Methodology	2	✓	✓	✓	VL *	N/A	N/A
	Include Emissions from Air Traffic at Moffett Field in the Mountain View Community GHG Inventory	3	✓	✓	✓	VL *	Unk	Unk
2. ADAPTATION TO CLIMATE CHANGE								
Gen Plan	Plan for Sea Level Rise and Increased Flooding	1	✓	✓	✓	Unk	N/A	
	Partner with Other Agencies to Restore the Bay Shoreline for Better Flood Control	2	✓			L	N/A	
	Reduce Outdoor Water Usage with Drought-tolerant Landscaping	3	✓	✓	✓	M	Unk	
	Address Health Issues Resulting from Extreme Heat	4	✓			M	N/A	
3. WATER USE AND AVAILABILITY								
	Leverage Existing Water Conservation Programs	1	✓			L	N/A	
1 & 2	Redesign City Utility Bill Format to Encourage Water Conservation	2	✓	✓		L	N/A	
	Make Residential Greywater Easy To Reuse In Mountain View	3	✓	✓	✓	Unk	Unk	
	Add Staff to City Water Conservation Team	4	✓	✓		H *	N/A	
2	Replace Paved Surfaces with Permeable Surfaces	5	✓	✓		Unk	292/yr	
1	Recruit and Train Local Water Conservation Advocates	6		✓	✓	VL *	11,591/yr	
	Install CIMIS Weather Station and Other Feedback Mechanisms	7	✓	✓		VL *	1,136/yr	
	Implement Cost Sharing Agreement with Santa Clara Valley Water District for Water Conservation Incentives	8	✓	✓		Unk	Unk	
4. WASTE, WASTE REDUCTION, AND RECYCLING								
1 & 2	Create a Comprehensive Zero Waste Action Plan	1	✓	✓	✓	VH *	Unk	
	Increase Diversion from Landfill by Increasing Utilization of the SMaRT Station	2	✓			VL *	Unk	
	Divert Organic Waste From Landfill	3	✓			H *	Unk	
1 & 2	Ban Polystyrene Take-Out Food Containers	4	✓	✓	✓	VL *	Unk	
	Educate the Public on Recyclable Material Processing and Eco-Conscious Purchasing	5	✓	✓	✓	M *	Unk	
1 & 2	Discourage Single-Use Bags within the City	6	✓	✓	✓	L *	Unk	
	Increase Recycling and Improve Waste Management in Multi-Family Dwellings	7	✓	✓	✓	M *	Unk	
	Provide Accessible Recycling Bins in Public Places and Businesses	8	✓	✓	✓	H *	Unk	
	Partner with Local School Districts to Create Waste Reduction and Recycling Programs in Schools, Including a Zero Waste Lunch Program	9	✓			L *	Unk	
	Provide Resources to Promote Free-Cycle and Re-Use Networks	10	✓	✓	✓	L *	Unk	

ESAP 1 or 2 or Gen Plan	Title	Priority	S	M	L	Cost	CO_2e Reduct'n (Metric tons)	$ per Metric Ton
5. ENERGY AND RENEWABLE ENERGY								
	Set Renewable Energy Goals	1	✓			VL	Unk	
Partially in 1 & 2	Install Solar Water Heaters and Solar PV Systems on City Buildings	2		✓	✓	L	Unk	
	Enroll in the PG&E *ClimateSmart* Program for City Operations	3	✓	✓	✓	M *	2,724/yr	$12
	Strongly Promote Solar Water Heating	4	✓	✓	✓	Unk	Unk	< $0
	Promote Enrollment in PG&E's *ClimateSmart* Program by Residents	5	✓			H *	711,488	$3
	Encourage Property Owners to Undertake Energy-Efficiency Upgrades	6	✓			H	1,080	$139
	Implement a Pilot Program to Provide Solar PV for Affordable Apartments	7	✓	✓	✓	VH	12,000	$542
Partially in 2	Provide Free Energy Audits for Residents and Low-Cost Audits for Small Businesses and Promote PG&E's Energy Conservation Programs	8	✓			M *	66,780	$3
	Encourage Participation in PG&E's Demand Response and Permanent Load Shifting Program	9	✓	✓		VL	Unk	
	Print Information about Energy Conservation and Renewable Energy Options on Utility Bills	10	✓	✓		H *	43,230	$2
6. TRANSIT AND TRANSPORTATION								
1	Fully Implement Bicycle Boulevards	1		✓		Unk	Unk	
1 & 2	Provide Automated Bicycle Rental and Additional Bicycle Parking Facilities	2		✓		Unk	Unk	
2	Provide Community Shuttle Services	3		✓		VH *	100/yr	$475-550
1 & 2	Adopt and Implement a Pedestrian Master Plan	4		✓	✓	Unk	Unk	
	Provide Alternative Transportation for School Children	5		✓	✓	Unk	Unk	
	Collaborate with Neighboring Cities To Develop a Regional Paid Parking Program	6	✓			Unk	Unk	
Gen Plan	Fully Implement a Network of Four Grand Boulevards in Mountain View as Part of the General Plan Process	7			✓	Unk	Unk	
	Establish a Green Parking Code in the General Plan and Zoning Ordinance	8		✓	✓	RG	Unk	
	Increase VTA Bus Usage in Mountain View	9			✓	Unk	Unk	
	Synchronize Signals to Calm Traffic and Reduce GHG Emissions	10		✓		Unk	Unk	
7. LAND USE PLANNING								
Gen Plan	Implement a Connected System Of Healthy Villages	1	✓	✓	✓	L	TBD	
Gen Plan	Encourage Livable, Higher-Density Housing	2	✓	✓	✓	RG	927,000 by 2030	
	Increase Healthy Affordable Housing	3	✓	✓	✓	L	1,876/yr	
	Establish Planning Incentives For Sustainable Development	4	✓	✓	✓	RG	TBD	
Gen Plan	Diversify Land Uses In Underutilized Areas	5	✓	✓	✓	RG	267/yr	
2	Adopt LEED Neighborhoods Guidelines	6	✓	✓	✓	L	TBD	
Gen Plan	Encourage Urban Agriculture And Preserve Open Space	7	✓	✓	✓	L	TBD	
	Develop Castro Street As a Model Healthy Village	8	✓	✓	✓	RG	950/yr	
	Provide Ongoing Staff Education in Sustainable City Management Practices	9	✓	✓	✓	L *	TBD	

ESAP 1 or 2 or Gen Plan	Title	Priority	S	M	L	Cost	CO_2e Reduct'n (Metric tons)	$ per Metric Ton
	8. BUILT ENVIRONMENT							
1	Require Public Buildings to Achieve LEED Silver	1	✓		✓	RG	Unk	
1	Implement Green Building Standards for Private Buildings	2		✓		L	200-750/ yr	
	Establish a Revolving Loan Program to Fund Energy Efficiency Upgrades	3	✓	✓	✓	Unk	Unk	
	Require an Online PG&E Energy Audit (or Equivalent) for Business License Renewal	4		✓		Unk	Unk	
	Establish a Home Energy Efficiency Rating System	5		✓	✓	Unk	Unk	
	Develop Energy Consumption Standards for All Buildings	6	✓			RG	800 to 4,400	
1	Enhance the Expertise of Planning and Building Department Staff Members in Green Building Processes and Practices	7	✓			VL *	Unk	
2 and Gen Plan	Establish a Green Building Incentive Program	8	✓			VL	Unk	
	Require Diversion of 75% of Construction and Demolition Debris from Landfills	9	✓			RG	34,451	
	9. SUBURBAN NATURAL ECOSYSTEMS AND BIODIVERSITY							
1	Increase Tree Coverage in Mountain View	1	✓	✓	✓	M	Unk	
2	Minimize Pesticides and Herbicides in Mountain View's Environment	2	✓	✓	✓	M	Unk	
	Restore Mountain View's Natural Waterways and Wetlands	3	✓	✓	✓	M	Unk	
	Preserve and Restore Natural Habitats	4	✓	✓	✓	M	Unk	
	Reduce and Contain Invasive Species in Mountain View	5	✓	✓	✓	M	Unk	
	Prioritize Mountain View's Urban Ecology in Local Planning Decisions	6	✓	✓	✓	M	Unk	
	Establish a Green Collar Training Program, Initially Focused on Green Gardening	7	✓	✓	✓	M *	Unk	
	10. SUSTAINABLE QUALITY OF LIFE							
	Include a Sustainability Expert on the Environmental Planning Commission (EPC)	1	✓	✓	✓	VL *	Unk	
	Ensure that All Residents Have Access to Family Planning	2	✓	✓		M *	3,000 in first 5 years	$167 de-creasing over time
	Make the Environmental Sustainability Coordinator Position Permanent	3	✓	✓	✓	H *	Unk	
	Tax Extraction of Non-Renewable Resources and Extraction of Renewable Resources at Unsustainable Rates	4	✓	✓	✓	RG	Unk	
	Balance Jobs and Housing	5	✓	✓	✓	Unk	Unk	
	Keep a Prudent Environmental Safety Margin to Mitigate the Impact of Disasters	6			✓	H	Unk	
	Phase Out Use of Non-renewable Energy Sources	7	✓	✓	✓	Unk	Unk	
	Use the Right Measuring Tools When Measuring Economic Progress	8	✓	✓	✓	L	Unk	
	Encourage Work/Life Balance	9	✓	✓	✓	L *	Unk	

ESAP 1 or 2 or Gen Plan	Title	Priority	S	M	L	Cost	CO_2e Reduct'n (Metric tons)	$ per Metric Ton
11. COMMUNITY OUTREACH AND GREEN BUSINESS								
2	Commission and Implement a Comprehensive Outreach Campaign	1	✓	✓		M *	N/A	N/A
1	Form and Support an Ongoing Green Citizens Collaboration and Action Team	2	✓	✓	✓	L *	N/A	N/A
	Support and Encourage Student and Youth Outreach Initiatives	3	✓			L *	N/A	N/A
	Install Signs and Banners to Broadcast Environmental Gains and Metrics, and Place Public Art to Promote Environmentalism	4	✓			L *	N/A	N/A
	Promote Green Business Certifications and Practices	5	✓			L *	N/A	N/A
1	Create and Maintain an Environmental Focus Section and Rotating Displays at Mountain View Public Library	6	✓			VL *	N/A	N/A
1	Sponsor Sustainability Tabling and Outreach at Local Events	7	✓	✓	✓	VL *	N/A	N/A
	Explore Implementation of Regional and/or City Services and Sustainability #311 Call Center Line	8		✓	✓	H *	N/A	N/A
	Create Awareness of the Impacts of Transportation and Alternatives to Traditional Methods and Fuels	9	✓			VL *	N/A	N/A
Partially in 2	Provide Encouragement For the Use of Hybrids, Plug-in Hybrids and Alternative Fuel Vehicles	10	✓	✓	✓	VL *	N/A	N/A

CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE

FISCAL YEAR 2008-09 ACTIONS

Action	Status
1. Adopt Carbon Dioxide Equivalent (CO_2e) Goals	**COMPLETE.** Community-wide goals were adopted by the Council in November 2009 and government operations goals were adopted in March 2010.
2. Redesign Water Billing Format	**COMPLETE.** Completed in May 2011.
3. Recruit and Train Water Conservation Advocates	**COMPLETE and ongoing.** A full-time Water Conservation Coordinator was hired in December 2009. Additionally, two hourly employees conduct water conservation outreach activities. The Water Conservation Program also began utilizing volunteers to assist staff with water conservation outreach in spring 2010. Efforts are continuing in 2011 with an emphasis on community events such as the Farmer's Market, Arbor Day and the Spring Family Parade.
4. Participate in the Single-Use Bag Ordinance	**Currently under way.** The County-wide Recycling and Waste Reduction Commission (RWRC) recommended that all Santa Clara County cities adopt an ordinance regulating distribution of single-use bags. Questions remain regarding the level of environmental review needed to adopt an ordinance. Staff continues to monitor how other jurisdictions are moving forward and will update the Council Environmental Sustainability Committee (CESC) on December 1, 2011 regarding ordinances in Santa Clara County and discuss when and how to bring the issue to Council for discussion and direction. In addition, staff is coordinating a campaign to place signage at grocery and other stores encouraging and reminding shoppers to "Bring Your Own Bag" (BYOB).

CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE

FISCAL YEAR 2008-09 ACTIONS (Continued)

Action	Status
5. Install Labeling on Trash Containers in Public Areas	**COMPLETE.** Completed in summer 2010.
6. Establish LEED Silver as the Standard for New City Facilities	**COMPLETE.** Adopted by the Council on March 24, 2009.
7. Support a Community-Led Green Citizens Action Team	**COMPLETE and ongoing.** A funding agreement with Green Mountain View is in place.
8. Sponsor Sustainability Tabling and Outreach at Local Events	**COMPLETE and ongoing.** Participated in Arbor Day (March 2010) and Thursday Night Live (August 2010) events. Assisted with the Green Mountain View booth at the Art and Wine Festival (September 2010).
9. Work with Valley Transportation Authority (VTA) to Redesign Community Bus Route 34	**COMPLETE.** Route changes effective July 2010. Route 34 now includes service to the Senior Center, but service along Middlefield Road between San Antonio Road and Rengstorff Avenue has been eliminated.
10. Incorporate Climate Change Elements into the General Plan Update	**Currently under way.** A Greenhouse Gas (GHG) Reduction Program (GGRP) is being developed to address long-range GHG, climate change and adaptation strategies for the 2030 General Plan Update. A draft GGRP is being analyzed in the General Plan Environmental Impact Report (EIR). The final GGRP will present quantified benefits for each climate protection policy and action considered. The GGRP and 2030 General Plan Update are scheduled for completion in 2012.

CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE

FISCAL YEAR 2009-10 ACTIONS

Action	Status
1. Continue the Environmental Sustainability Coordinator Position for One Year	**COMPLETE.** Funding for the Environmental Sustainability Coordinator position has been continued through Fiscal Year 2011-12. Continued funding in Fiscal Year 2012-13 has been requested as part of the Public Works Department budget.
2. Secure Technical Assistance to Establish an AB 811 Benefit Assessment District	**On hold.** Council approved City participation in CaliforniaFIRST, a State-wide AB 811 program, in January 2010. CaliforniaFIRST was unfunded by the California Energy Commission in July 2010 as a result of legal challenges and Federal agency objections. Staff will not pursue further development or implementation of this financing mechanism for community energy efficiency upgrades at this time, but will continue to monitor ongoing developments.
3. Evaluate Feasibility of Implementing a Municipal Renewable Energy Facility (AB 2466)	**On hold.** The rate tariff approved by the California Public Utilities Commission only allows credit for the generation component of any energy produced, which significantly limits the financial viability of constructing a renewable energy facility under the auspices of AB 2466 (energy generation at one location can be used to offset energy costs at another location). As the City considers additional renewable energy projects in the future, the costs and benefits of completing an AB 2466 project will be weighed against other project options.

CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE

FISCAL YEAR 2009-10 ACTIONS (Continued)

Action	Status
4. Create a Zero-Waste Plan (including waste characterization study and food waste composting program expansion)	**Currently under way**. The waste characterization study was completed in December 2010. Preparation of the Zero-Waste Plan is currently under way and is scheduled for completion by summer 2012. The commercial food waste composting pilot program is fully operational with approximately 20 large food waste customers.
5. Fully Implement Bicycle Boulevards	**COMPLETE**. An east-west boulevard from San Antonio Road to Whisman Road is in place. Transportation Development Act (TDA) grant funds were used to construct a second bike boulevard from Dale/ Heatherstone to the Transit Center. Construction was completed in summer 2011. Additional routes and funding to be determined.
6. Participate in a Regional Effort to Study Feasibility of Automated Bicycle Rentals	**Currently under way**. Mountain View, Palo Alto and San Jose are participating in a VTA pilot bike-share program. The estimated program launch date is summer 2012.
7. Prepare, Adopt and Implement a Pedestrian Master Plan	**Currently under way**. A $125,000 VTA grant was received to fund the Master Plan. The draft Plan was reviewed by the Bicycle/ Pedestrian Advisory Committee in November 2011. Council review of the Plan will occur in 2012.

CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE

FISCAL YEAR 2009-10 ACTIONS (Continued)

Action	Status
8. Increase Free Arbor Day Trees	**COMPLETE.** Additional funding ($10,000) was included in the Fiscal Year 2009-10 Forestry Maintenance and Street Tree Planting Capital Improvement Project (CIP) to pay for an additional 200 trees. Demand for Arbor Day trees has decreased in recent years to less than 40 per year. Unspent funds remain in the CIP.
9. Create Environmental Displays at the Library	**COMPLETE.** The Library's lobby display case featured an environmental theme from mid-August 2009 to mid-October 2009. Display materials can be reused for other displays in the future.
10. Implement State-Mandated Landscape Water Conservation Ordinance	**COMPLETE.** Water conservation in landscaping regulations and related Zoning Ordinance changes were adopted by the City Council on June 1, 2010.
11. Retrofit City Facilities with Green Technologies/Green the Library	**Currently under way.** Project 10-34, Greening the Library, was established to implement water and energy conservation improvements at the Library. Energy and water audits to identify appropriate improvements have been completed. A separate water meter has been installed so indoor and outdoor/landscaping water use can be tracked separately. A window tint product to reduce heat gain at windows has been identified for purchase. Bid process for landscaping design is scheduled for 2012.
12. Enhance Expertise of Community Development Department and Public Works Department Staff Members in Green Building Practices	**COMPLETE.** Training was held in October 2011.

CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE

FISCAL YEAR 2009-10 ACTIONS (Continued)

Action	Status
13. Establish Green Building Standards for Private Buildings	**COMPLETE.** The Mountain View Green Building Code became effective in August 2011.

CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE

FISCAL YEAR 2010-11 AND BEYOND ACTIONS

Action	Status
1. Participate in Regional Efforts to Ban Polystyrene Take-Out Food Containers.	**Currently under way.** In December 2010, the RWRC directed its Technical Advisory Committee (TAC) to continue researching issues associated with a possible ban on foam food take-out containers. The RWRC voted in June 2011 to recommend Santa Clara County jurisdictions adopt restrictions on the use of expanded polystyrene (EPS). The CESC will consider the recommended EPS restrictions on December 1, 2011 and determine when and how to bring the recommendations to the City Council for consideration.
2. Retrofit City Facilities with Green Technologies—Building (TBD)	**Currently under way and ongoing.** Rather than focusing on retrofitting a particular building, staff has focused on taking advantage of Federal grant and other funding to pay for greening efforts throughout the City, including: • CDBG funds paid for new interior and exterior lighting at the Senior Center and Community Center. • EECBG funds will be used to begin converting a portion of the City's high-pressure sodium streetlights to more energy-efficient induction lighting. • Downtown Revitalization bond proceeds are being used to supplement energy conservation CIP funding to retrofit post-top lights in the downtown area with new energy-efficient induction lights. Lights have been ordered.

Updated: November 21, 2011

SPA/6/PWK/916-05-10-11A-E^

Environmental Sustainability Action Plan (ESAP) 2 - Proposed Actions

FY 2011-2012

#	Action	Task Force Rec. #	Primary Focus Area	Lead Depts.	Level of Effort	Funding Sources	Est. Cost	Funding Availability	GHG Reduction Potential
1	Complete installation of solar systems at Golf Pro Shop and Shoreline Maintenance Facility via Power Purchase Agreement (PPA).	5-2	Energy	PWD	Medium	CIP Project 10-333	$93,000 *	Funded: one-time $	Low-Med
2	Consider participation in regional Renewable Energy Procurement (REP) project for installation of additional renewable energy systems on City facilities	5-2	Energy	PWD	Medium	TBD	TBD	TBD: one-time $	Medium
3	Complete "Greening the Library"		Energy	PWD, CSD	Medium	CIP Project 10-34	$140,000	Funded: one-time $	Low
4	Continue implementation of Energy Upgrade Mountain View (EUMV)	5-8	Energy	PWD	High	Federal Grant	$343,000	Funded: one-time $	Medium
5	Present "Greenhouse Gas Reduction Program" to Council for adoption as part of General Plan update		GHGs	CDD	High	Grant Funded	$45,000	Funded: one-time $	High
6	Complete 2010 government operations GHG inventory and measure it against 2010 reduction target		GHGs	PWD	High	General Fund	$15,000	Funded: one-time $	N/A
7	Evaluate and propose green building incentives to be included in Precise Plan, General Plan and/or zoning amendments	8-8	Land Use	CDD	Med-High	TBD	TBD	TBD	Med-High
8	Participate in regional sustainable planning efforts (e.g., One Bay Area grant, Grand Boulevard, Bus Rapid Transit, etc.)		Land Use	CDD, PWD	Med-High	N/A	N/A	N/A	High
9	Update City sustainability web site	11-1	Outreach	PWD	Low-Med	TBD	$1,000-$5,000	TBD	N/A
10	Explore making rubberized asphalt the City standard for street resurfacing projects		Roads	PWD	Low	C/C Tax, Gas Tax	$2,000	Funded: one-time $	Medium
11	Upgrade electric vehicle chargers in Civic Center garage	11-10	Transport.	PWD	Low	Grant Funded	N/A	Funded: one-time $	Low
12	Participate in a regional automated bicycle rental program	6-2	Transport.	PWD	Medium	Grant Funded	TBD	TBD	Medium
13	Explore the feasibility of a community shuttle service	6-3	Transport.	PWD	High	General Fund	$100,000	Funded: one-time $	High
14	Present Pedestrian Master Plan to Council for adoption	6-4	Transport.	PWD, CDD	High	Grant Funded	$125,000	Funded: one-time $	Medium
15	Present Zero Waste Plan to Council for adoption	4-1	Waste	PWD	High	Solid Waste Fund	$230,000	Funded: one-time $	High
16	Present CESC recommendations to Council regarding bans on single-use bags and expanded polystyrene food containers	4-4, 4-6	Waste	PWD	High	TBD	TBD	TBD: one-time $	High

** PPA minimizes up-front City costs. Estimated energy savings of $245,000 over 20 years.*

FY 2012-2013

#	Action	Task Force Rec. #	Primary Focus Area	Lead Depts.	Level of Effort	Funding Sources	Est. Cost	Funding Availability	GHG Reduction Potential
1	Present staff recommendation regarding participation in regional Renewable Energy Procurement (REP) project for installation of additional renewable energy systems on City facilities	5-2	Energy	PWD	Medium	TBD	TBD	TBD: one-time $	Medium
2	Identify and implement additional green building technologies in City facilities (using 2010 government operations GHG inventory data analysis)		Energy	PWD	Medium	CIP	TBD	TBD	Low
3	Investigate feasibility of adopting green neighborhood planning guidelines (e.g. LEED for Neighborhoods)	7-6	Land Use	CDD	Med-High	TBD	TBD	TBD	High
4	Develop a budget proposal for a comprehensive sustainability outreach and engagement campaign with residents and businesses	11-1	Outreach	PWD	Medium	TBD	TBD	TBD	High
5	Explore usage of additional Integrated Pest Management (IPM) techniques	9-2	Toxics	CSD, Fire	Medium	TBD	TBD	TBD	Low
6	Participate in a regional automated bicycle rental program	6-2	Transport.	PWD	Medium	Grant Funded	TBD	TBD	Medium
7	Investigate interest in establishing a fee for use of electric vehicle charging stations at City facilities	11-10	Transport.	PWD	Medium	TBD	TBD	TBD	N/A
8	Evaluate further refinements to water bill design	3-2	Water	FASD, PWD	Low	TBD	TBD	TBD	Low-Med
9	Investigate the feasibility of conducting a permeable surface pilot program	3-5	Water	PWD, CSD	Low	Water District	$800,000	Funded	Low-Med

FY 2013-2014

#	Action	Task Force Rec. #	Primary Focus Area	Lead Depts.	Level of Effort	Funding Sources	Est. Cost	Funding Availability	GHG Reduction Potential
1	Identify and implement additional green building technologies in City facilities (using 2010 government operations GHG inventory data analysis)		Energy	PWD	Medium	CIP	TBD	TBD	Low
2	Investigate the feasibility of conducting a green roofs pilot program		Energy	PWD, CDD	Med-High	TBD	TBD	TBD	Low-Med
3	Complete 2012 community-wide GHG inventory and measure it against 2012 reduction target		GHGs	PWD	Medium	General Fund	$10,000	TBD: one-time $	N/A
4	Investigate a potential energy/GHG tracking system for City facilities and the community		GHGs	PWD	Medium	TBD	$20,000 - $50,000	TBD: on-going $	Med-High

Additional Potential ESAP 2 Actions

#	Action	Task Force Rec. #	Primary Focus Area	Lead Depts.
1	Ban gas-powered leaf blowers		Air Quality	CAO
2	Ban use of wood-burning stoves/fireplaces *(Already have ordinance prohibiting these devices in new construction and major remodels)*		Air Quality	CDD, CAO
3	Identify and remove barriers to growing/selling food locally, e.g. urban agriculture		Food	CDD, CMO
4	Establish a green parking code in the General Plan and Zoning Ordinance / Adopt a modified, market-based parking code	6-8	Land Use	CDD
5	Maintain and increase open space (Parks and Open Space Plan)		Land Use	CSD
6	Hold a competition among residents to get the best "green" ideas		Outreach	PWD
7	Provide alternative transportation for school children (e.g. bicycling, walking, shuttles, vanpools from high-density areas)	6-5	Transport.	PWD
8	Apply for grants for green shuttles *(VTA responsibility)*		Transport.	PWD
9	Implement a no-idle zone in specified public places (e.g. around schools)		Transport.	PWD, CAO
10	Update bicycle plan to be a "Master Plan"		Transport.	PWD
11	Support electrification of Caltrain		Transport.	PWD
12	Support High Speed Rail		Transport.	PWD
13	Improve multi-family waste management and recycling *(Will occur in conjunction with Zero Waste plan)*	4-7	Waste	PWD
14	Support Palo Alto's anaerobic digester effort - explore a possible partnership		Waste	PWD
15	Increase water reduction and conservation efforts		Water	PWD
16	Educate the public about wildlife at Shoreline Park		Wildlife	CSD
17	Require Shoreline Park wildlife preservation training for all relevant City staff/contractors		Wildlife	CSD, PWD