REGULAR MEETING – MONDAY, MAY 23, 2011
COUNCIL CHAMBERS 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 April 11, 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 **ENVIRONMENTAL SUSTAINABILITY ACTION PLAN UPDATE**

Overview:

Staff will provide an overview of the status of the 25 initiatives comprising the City's Environmental Sustainability Action Plan (ESAP) and other environmental sustainability activities currently under way. Staff seeks Committee and community input regarding future environmental sustainability-related priorities.

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

SPA/7/PWK
916-05-23-11A-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, Property and Policy 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.

Item 4

REGULAR MEETING – MONDAY, APRIL 11, 2011
ATRIUM CONFERENCE ROOM AT CITY HALL – 500 CASTRO STREET
4:30 P.M.

1. **CALL TO ORDER**

The meeting was called to order at 4:30 p.m. by Chair Bryant.

2. **ROLL CALL**

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

City Staff Present: Linda Forsberg, Business and Internal Services 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/Macias—Carried 3-0—Approve the minutes of the December 8, 2010 meeting.

5. **NEW BUSINESS**

5.1 **ENVIRONMENTAL SUSTAINABILITY ACTION PLAN UPDATE**

Staff introduced the item by reviewing previous City Council and Council Environmental Sustainability Committee (CESC) actions regarding the adoption of the 2008-2011 Environmental Sustainability Action Plan (ESAP) in March 2009. Staff indicated that most of the 25 actions in the ESAP are complete or under way. Staff requested Committee feedback on a list of potential actions (in Attachment 4) for a new, multi-year ESAP, including the relative priority of the actions and the time frame to be covered by the new plan.

A Committee member noted Mountain View should be in the lead in adopting single-use bag restrictions in Santa Clara County and should adopt a ban on Styrofoam take-out containers as soon as possible. Staff noted that Palo Alto, and either Millbrae or Burlingame, have adopted polystyrene take-out container ordinances.

The Committee member inquired about progress on a City shuttle. Staff indicated that a shuttle was not part of the ESAP. Another Committee member noted that the shuttle was a recommendation of the Environmental Sustainability Task Force.

A Committee member inquired about the progress of the Zero Waste Plan (ZWP) and what it would look like. Staff indicated that a ZWP consultant had been hired and had begun work, and the plan would consist of a list of recommended actions to increase diversion from the landfill, including the amount of diversion generated by each action, the implementation cost and the time line. Staff will bring the list of actions to the Council for direction, and then return to the Council with a final plan.

The Committee member inquired whether we will know the greenhouse gas (GHG) savings from each action, and staff replied that high-level estimates will be developed.

Another Committee member inquired when the ZWP will be presented to Council. Staff indicated that preliminary information will be available in June and the full plan will be completed in September. The plan may require additional implementation cost analysis.

The Committee member inquired about the status of a City single-use bag ban, citing that San Jose had already passed their ban. Staff responded that, based on San Jose and Santa Monica not experiencing legal challenges to their Environmental Impact Reports (EIRs), there would not likely be opposition to a ban if the City completed an EIR. The legal challenge faced by the City of Manhattan Beach is pending before the California Supreme Court and, depending on the ruling, it may be sufficient for Mountain View only to do a Negative Declaration.

The Committee member asked about any problems related to Proposition 26, and staff replied that the City of San Jose attorneys felt that the requirements of the proposition would not be an issue.

The Committee member inquired about the progress of the pilot food composting program. Staff indicated that a few, large commercial companies were participating, and staff is working on expanding the program, but the contract with GreenWaste Recovery limits the amount of compost that can be delivered to the facility.

Another Committee member asked what happens to organic matter in a landfill. Staff responded that organic matter in a landfill decomposes

(anaerobically) and produces methane, a potent greenhouse gas, but when organic matter decomposes (aerobically) in an open-air composting facility, it does not produce any GHGs. The only GHGs produced during composting are from transporting the organic matter from the source to the composting facility. A third option is to send organic matter to an anaerobic digestion facility, which produces renewable energy as a byproduct of the waste decomposition.

The discussion was then opened for public comments.

Julie Lovins commented that the concept of "zero waste" originated due to landfills filling up, not just because of GHGs. She inquired whether the Bicycle Master Plan was part of the Pedestrian Master Plan, and staff indicated that they were separate plans. She voiced concern that future GHG inventories seemed to be "subject to funding," and that the two planned solar PV installations are on City buildings that are not very publicly visible. She hoped that a City shuttle is still being considered and will be addressed in the next version of the ESAP. She encouraged Council to seek input from the community regarding the shuttle as a previous survey on the topic is now outdated.

Rebecca Su inquired how the City plans to achieve "zero waste" if the waste stream contains hazardous/toxic materials.

The public comment portion of the discussion was closed.

A Committee member asked how hazardous/toxic waste is handled. Staff responded that these materials are problematic, which is why a city cannot achieve 100 percent diversion through a ZWP. The problem must be dealt with through extended producer responsibility (EPR), which forces the manufacturers to take back these materials after their use.

The Committee member inquired why the GHG inventories are "subject to funding." Staff replied that a funding request for the 2010 government operations inventory has been submitted in the Fiscal Year 2011-12 budget.

Another Committee member asked about the size of the two planned solar installations. Staff responded that the City does not have final system sizes, but early estimates indicated approximately 150 kW for the Shoreline Golf Links Pro Shop installation and approximately 190 kW for the Maintenance Facility installation.[1] The Committee member inquired whether the City

[1] Updated information indicates 91 kW for the Shoreline Golf Links Pro Shop and 45 kW for the Maintenance Facility.

could generate excess electricity through these systems and sell the excess back to PG&E. Staff responded that the systems are designed to produce 90 percent to 100 percent of the required electricity, and AB 2466 causes "excess generation" not to be financially viable.

A Committee member inquired about what percentage of the City's waste is hazardous/medical. Staff replied that there is no medical waste in the City's waste stream, and residential hazardous waste is minimal due to most of it going through the County Household Hazardous Waste program.

The Committee member asked about the status of the City's Integrated Pest Management (IPM) Program and whether the City can reduce its use of pesticides. Staff responded that they would get an update for the next meeting.

The Committee member commented that other cities are further along with green roofs and permeable pavers. She indicated that she would like to see pilot programs started in both of these areas.

Another Committee member indicated that the City should educate both homeowners and professionals on green gardening techniques, including reduced pesticide use. Staff replied that green gardening and pesticide use may be among the programs offered by the Bay Area Water Supply and Conservation Agency (BAWSCA).

The Committee member requested staff to hold a more focused community meeting to review the City's sustainability progress over the last three years and to solicit additional community input before the CESC formalizes the next ESAP.

Another Committee member mentioned the need to ensure that local nurseries stock native and drought-tolerant plants. Staff responded that the City's water conservation web site has links to related resources, which have been provided to the nurseries.

A Committee member indicated that the CESC should focus on water-use reduction (a finite resource), traffic alternatives (pedestrian, bicycle and shuttle) and pesticide use reduction. Another Committee member reiterated the need to assess what it would take to reduce pesticide use.

A Committee member noted the absence of wildlife preservation or enhancement in the ESAP. Another Committee member commented that all Shoreline at Mountain View staff and contractors should be trained on wildlife preservation; it should be a part of regular staff training. Another

Committee member indicated that residents should also be educated about the park wildlife.

A Committee member noted concern that the City may not have the funds to undertake all these initiatives and should determine the best strategy to accomplish as many as possible. He also inquired whether the City should do more to market its sustainability activities and accomplishments.

Another Committee member commented that the City does not need to address single-use bags and Styrofoam containers at the same time and should research how Palo Alto handles these two items.

The Committee member summarized by asking for another meeting to educate the community about the City's progress over the last three years, including internal City operations actions, such as the Green Purchasing Policy, and to solicit community input on future priorities. The City should also invite the Chamber of Commerce to present their sustainability accomplishments.

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

7. **ADJOURNMENT**

The meeting was adjourned at 5:39 p.m.

SPA/7/PWK
916-04-11-11mn-E^

ITEM 5.1

CITY OF MOUNTAIN VIEW
MEMORANDUM

DATE: May 19, 2011

TO: Council Environmental Sustainability Committee

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

SUBJECT: ENVIRONMENTAL SUSTAINABILITY ACTION PLAN UPDATE

PURPOSE

This memorandum updates the Council Environmental Sustainability Committee (CESC) on the status of the 25 initiatives comprising the City's Environmental Sustainability Action Plan and seeks Committee direction regarding future environmental sustainability-related priorities.

BACKGROUND AND ANALYSIS

The City Council adopted the 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 (Attachment 1). The ESAP identified 25 initiatives for completion between Fiscal Years 2008-09 and 2010-11. Many of the initiatives included in the ESAP were identified as recommended strategies and actions in the 2008 Environmental Sustainability Task Force's Final Report (Attachment 2).

The CESC met on April 11, 2011 to review the progress to date on the initiatives and provide direction to staff regarding future priorities. 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.

Most of the ESAP items are complete or under way. Detailed information regarding the status of each of ESAP initiative is provided in Attachment 3.

In addition to making significant progress on ESAP initiatives, staff has also undertaken other important environmental sustainability-related projects.

- Energy Upgrade Mountain View

  Staff is currently designing and implementing Energy Upgrade Mountain View (EUMV), a residential energy assessment and upgrade program, with a contractor. Federal Energy Efficiency and Conservation Block Grant (EECBG) moneys are funding program and staff administrative costs ($343,000). EUMV launched on April 22, 2011 (Earth Day) and is scheduled for completion by December 2012.

- Solar Power Purchase Agreement (PPA)

  The City is participating in a multi-jurisdictional cooperative led by Santa Clara County to purchase renewable energy through the creation of a regional power purchase agreement.

  As a result of the cooperative vendor selection process, Ecoplexus was selected to install two solar photovoltaic (PV) systems in Mountain View—at the Shoreline Maintenance Facility and Golf Pro Shop. Staff is negotiating with Ecoplexus to define the pricing, terms and conditions for the two Mountain View installations. A proposed contract with Ecoplexus is expected to be presented to Council in June 2011, and the PV systems should be installed by late fall.

Staff is continuing to work on completing all of the environmental sustainability-related projects described above. These continuing efforts could serve as the foundation for a new, multi-year ESAP (Attachment 4), supplemented by additional items from the 2008 Task Force's Final Report or suggestions from the Committee or community.

Committee and community input is requested regarding:

- The proposed list of initiatives for the next ESAP.
- Any initiatives that should be considered for inclusion or deletion from the list.
- The relative priority of each of the items.
- The period of time to be covered by the new ESAP.

Based on input received from the Committee and community, staff will draft a proposed new, multi-year ESAP. The new draft will include target completion dates for each of the action items based on staff's capacity to complete the items given other

projects and workloads. Additionally, where appropriate, the need for any additional funding to complete an item will be noted.

The new draft ESAP will be presented to the Committee for review and approval, and then 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 several of the ESAP initiatives as well as several other important environmental sustainability-related projects. CESC direction is requested regarding future environmental sustainability-related priorities and the establishment of a new, multi-year ESAP.

Prepared by:

Stephen P. Attinger
Environmental Sustainability Coordinator

Linda Forsberg
Business and Internal Services Manager

Approved by:

Michael A. Fuller
Public Works Director

LF-SPA/8/PWK
916-05-10-11M-E^

Attachments:
1. March 24, 2009 Council Report
2. 2008 Environmental Sustainability Task Force Recommendations
3. ESAP Status Update
4. Potential Action Items for New ESAP

COUNCIL REPORT

CITY OF MOUNTAIN VIEW

Attachment 1

AGENDA: March 24, 2009

CATEGORY: Consent

DEPT.: Public Works

TITLE: Adopt Environmental Sustainability Action Plan

RECOMMENDATION

Adopt an "Environmental Sustainability Action Plan" (ESAP) as a road map for the City's sustainability initiatives.

FISCAL IMPACT

There is no fiscal impact to adopting the ESAP as it does not commit the Council to funding any of the underlying actions. If the Council adopts the ESAP, it will be used as a framework for forwarding specific actions to the Council for funding via the budgetary process.

BACKGROUND AND ANALYSIS

The Council reviewed the Environmental Sustainability Action Plan at a Study Session on February 24, 2009, voicing overall support for the ESAP and showing interest in providing financial assistance to the newly formed "Green Mountain View" citizen's group. A Councilmember requested additional details on some of the proposed actions, which staff will be able to provide for any items funded by the Council. Another Councilmember encouraged focus on community outreach, the pedestrian master plan, green transportation and green building standards for private development.

If adopted by the City Council, the attached ESAP (Attachment 1) will be the City's "road map" for strategic investment in environmental sustainability initiatives. It represents "Version 1" of the action plan that will be regularly updated to address additional Task Force recommendations, other City initiatives, new regulatory requirements and to track the City's progress in achieving its greenhouse gas reduction targets and making the City more sustainable overall. It contains both "quick payback" energy-efficiency actions that will reduce the City's operational expenses and bigger, longer-term, community outreach projects that will significantly reduce greenhouse gas emissions. The ESAP also sets forth actions that will establish a policy framework to embed sustainable practices in the community and City organization.

PUBLIC NOTICING—Agenda posting.

Prepared by:

Stephen P. Attinger
Environmental Sustainability Coordinator

Lori Topley
Solid Waste Program Manager

Approved by:

for Cathy R. Lazarus
Public Works Director

Kevin C. Duggan
City Manager

SPA/8/CAM
916-03-24-09M-E^

Attachment: 1. Environmental Sustainability Action Plan

Attachment 1

CITY OF MOUNTAIN VIEW
MEMORANDUM

DATE: February 19, 2009

TO: City Council

FROM: Council Environmental Sustainability Subcommittee

SUBJECT: FEBRUARY 24, 2009 STUDY SESSION—PROPOSED ENVIRONMENTAL SUSTAINABILITY ACTION PLAN

PURPOSE

The purpose of this Study Session is for the City Council to review and discuss the proposed Environmental Sustainability Action Plan developed by the Council Environmental Sustainability Committee (CESC) for implementation next year, subject to funding and staff capacity.

BACKGROUND AND ANALYSIS

In October 2008, the City Council accepted the final report of the Environmental Sustainability Task Force containing 89 recommendations outlining policies, strategies and actions to conserve resources and reduce the community's carbon footprint. Then Mayor Tom Means appointed the three-member Council Environmental Sustainability Committee (Margaret Abe-Koga, Ronit Bryant and Chair Jac Siegel) to review the Task Force recommendations and develop an achievable, staged implementation strategy with the first phase to begin immediately and subsequent actions to be considered as part of the Fiscal Year 2009-10 budget process.

Since October 2008, the CESC convened four meetings to review and prioritize Task Force recommendations appropriate for early implementation, evaluate organizational capacity and estimate costs to begin new greenhouse gas (GHG) reduction and sustainability initiatives. Also, CESC considered other greenhouse gas reduction opportunities not addressed in the Task Force report.

The proposed Environmental Sustainability Action Plan (ESAP) is CESC's recommendation for the City's "road map" for strategic investment in environmental sustainability initiatives (see Tables 1 through 3 for a summary of the plan actions, their cost and funding source). This action plan begins implementation of the Environmental Sustainability Task Force recommendations. It represents "Version 1" of an action plan that will be regularly updated to address additional Task Force recommendations, other

City initiatives, new regulatory requirements and to track the City's progress in achieving its greenhouse gas reduction targets and making the City more sustainable overall. Both "quick payback" energy-efficiency actions that will reduce the City's operational expenses and bigger, longer-term projects that will significantly reduce greenhouse gas emissions have been included. The plan also sets forth actions that will establish a policy framework to embed sustainable practices in the community and City organization.

The ESAP is comprised of the following major category areas:

- Policy Framework—Defines City sustainability goals and outlines major areas in which the Council may want to develop a policy strategy. Provides guiding principles that drive how individual actions/projects will be evaluated and implemented.

- Potential Major Goals—Proposes major projects and initiatives to consider as part of City Council goal setting.

- General Plan Update—Describes how environmental sustainability elements will be integrated into the General Plan update process.

- Greenhouse Gas Reduction Targets—Provides the required steps for developing community-wide greenhouse gas reduction goals consistent with State requirements.

- Proposed Sustainability Actions—Outlines specific actions to be implemented in Fiscal Years 2008-09, 2009-10, 2010-11 and beyond.

Sustainability—Purpose and Benefits

California passed AB 32, the California Global Warming Solutions Act of 2006, establishing a program of regulatory and market mechanisms to achieve comprehensive reductions in greenhouse gas (GHG) emissions. The California Air Resources Board (CARB) is responsible for creating the regulatory program and most major industries and institutions will be required to comply.

The Environmental Sustainability Action Plan presented in this document will help Mountain View meet AB 32 requirements by reducing the City's GHG emissions from government operations and from the community as a whole. A major goal of the ESAP is to increase operational savings through more efficient use of natural resources. The plan will also benefit the environment and the community by preserving water, reducing GHG emissions into the atmosphere, creating renewable energy sources,

improving air quality, reducing waste and educating residents, businesses and employees in how best to minimize their environmental impacts. The plan's vision is a community that enjoys an enhanced quality of life, is more easily accessible by public transportation/bicycle/foot and preserves its resources for future generations.

Many of the actions proposed in this plan will reduce energy/water use and waste generation, producing year-after-year cost savings after a quick payback period. These actions are a win for the City financially, for the environment and for the community. Actions, such as retrofitting existing public buildings with green technologies and implementing AB 811 (financing for property owners to make energy-efficiency and renewable energy upgrades) and AB 2466 (City-owned renewable energy facilities), will also result in direct measurable GHG reductions due to renewable power generation and energy-efficient technologies. Other actions, such as outreach at local events and displays in the Library, foster public education that leads to individual behavior change which is one of the most vital components of reducing community emissions.

Since community emissions account for more than 90 percent of the City's overall emissions, efforts to reduce these emissions will tackle a large part of the problem. Examples of such efforts include reformatting the water bills, increasing water conservation outreach, supporting the Green Citizens Action Team and creating a zero-waste plan. In addition, offering free Arbor Day trees to the community will capture CO_2 already in the air, with the amount of reduction increasing as the tree grows.

To increase operational savings during the current economic challenge, the City should develop a systematic and ongoing outreach effort focused on changing the behavior of City employees, residents, community groups and business people. To further save money each year, the City could use the financial savings realized by current and future sustainability actions to fund additional sustainability actions that will further reduce expenses.

POLICY FRAMEWORK

A policy framework identifies actions that set the stage for achieving a sustainable community that conserves resources and reduces greenhouse gas emissions. Actions are categorized as Requiring Council Action, In Development or Completed to show the City's progress toward its sustainability efforts.

Requiring Council Action in FY 2008-09

1. Green Building Policy—Public Buildings

Buildings generate 48 percent of the GHG emissions in the U.S. and green building technologies can produce substantial operations and maintenance savings over the life of the facility. New City buildings and renovation projects over 5,000 square feet should achieve a LEED Silver rating with this level increasing to LEED Gold within five years. The approximate additional cost to achieve LEED Silver is 0 percent to 2 percent above normal costs with many additional costs recouped within one to three years. Thereafter, the City will realize ongoing operational savings from the green building technologies.

In 2008, the Santa Clara County Cities Association asked cities to establish LEED Silver as the standard for all public facilities. The City Council considered this topic in March 2008 but has yet to take formal action. Attached as background is the Council report from 2008 (Attachment 1) and supplemental information (Attachment 2) about LEED previously provided to the City Council. Mountain View is the only City in Santa Clara County that has not adopted LEED Silver as its public facility standard.

2. Single-Use, Carry-Out Bag Fee

A County-wide initiative is under way to develop a draft model ordinance to charge a consumer fee of $0.25 on paper and plastic single-use, carry-out shopping bags. The model ordinance was released by the Recycling and Waste Reduction Commission (RWRC) for review and comment by the cities. The Council commented on the draft ordinance on January 27, 2009, approving the Cities Association resolution supporting a regional approach. Based on the comments from cities and the County, the RWRC may ask cities to adopt the ordinance or amend the draft ordinance as appropriate. The cost of the program may be offset by part of the fee revenue received.

Requiring Council Action in FY 2009-10

3. Greenhouse Gas Reduction Targets

The Global Warming Solutions Act of 2006 (AB 32) sets California State emissions reductions requirements (11 percent by 2010, 25 percent by 2020, 80 percent by 2050). The City will complete its 2005 base year community-wide and City operations GHG inventories by April 2009 and will establish reduction targets by summer/fall 2009 to support AB 32 (see the Setting Reduction Targets section).

4. Green Building Standard—Private Buildings

The vast majority of the buildings in Mountain View are privately owned. For the City to reduce its GHG emissions to any significant extent, it will have to require private developers and building owners to build and retrofit to the highest feasible green building standards. Neighboring cities San Jose and Palo Alto have enacted similar measures and the League of California Cities will be making a recommendation soon.

5. Zero-Waste Policy

The City should develop a comprehensive, long-term, zero-waste plan with a goal of achieving a 90 percent diversion rate by 2021, as recommended by the Environmental Sustainability Task Force. The City's diversion rate is currently 72 percent. Increasing it to 90 percent would require development of an implementation plan and potentially significant funding over several years. Such a plan would benefit the City, community and environment through increased resource conservation and landfill life and reduced waste toxicity and greenhouse gas emissions. The first step would be a waste characterization study at the SMaRT® Station to determine the City's mix of recyclables and garbage. A zero-waste plan could be developed by a consultant based on the characterization study and may include expansion of the City's pilot food waste composting program. Given the large scope of such an effort, a zero-waste plan could also be a major goal. In addition, through support of extended producer responsibility legislation, the City should encourage manufacturers to design products that can be disassembled, remanufactured or recycled rather than thrown away.

In Development

6. Water Conservation Landscaping Ordinance

A State-mandated water conservation landscaping ordinance must be adopted by all jurisdictions by January 1, 2010. The model ordinance will require major new projects and relandscaping projects to develop irrigation budgets and plans consisting of water-efficient irrigation systems and drought-tolerant plant materials. The Public Works Department—Public Services Division will be taking the lead on this project and coordinating with other affected departments, including Community Development and Community Services. Based on the latest State draft, there will be increases in City operating costs as irrigation and landscaping plans must be reviewed and permitted by the City.

Completed

7. Recycled Water Ordinance

   The City passed a Recycled Water Ordinance in October 2004. It mandates use of recycled water for irrigation in the North Bayshore where it is available and feasible. The system is scheduled to be on-line in 2009 and there is potential to expand the system to Moffett Field and other parts of the City in the future.

8. Construction and Demolition Ordinance

   The Council passed a Construction and Demolition Ordinance in September 2008, requiring 50 percent of construction and demolition debris to be recycled or reused. As part of a zero-waste plan, the City could increase this diversion rate to 75 percent after experience with the existing 50 percent rate is evaluated for effectiveness in one to two years.

9. Environmentally Preferable Purchasing Policy

   The Council passed an Environmentally Preferable Purchasing Policy in October 2008, incorporating environmental considerations into purchasing decisions. A handbook is being developed to provide guidance to City staff.

POTENTIAL MAJOR GOALS

In conjunction with developing an environmental sustainability policy framework, the City should evaluate recently approved legislation and other important environmental elements for implementation as part of its goal-setting process, including:

1. Energy Efficiency and Renewable Energy Generation

   As part of a long-term strategic sustainability plan and toward reducing its dependence on fossil fuels, the City should develop a long-range plan for generating as much of its energy as possible from local renewable sources (e.g., solar and wind) when feasible and cost-effective. Doing so would reduce the City's GHG emissions and energy expenditures in the long run. There are a variety of funding strategies available to the City, including bonds, grants or Power Purchase Agreements (PPAs) with a for-profit entity. AB 811 and AB 2466,

recently adopted legislation promoting energy efficiency and alternative power generation, are described below:

a. AB 811—This law enables a city to offer low-interest loans to property owners who implement energy efficiency and/or renewable energy projects such as insulation, double-pane windows, high-efficiency heating and cooling systems and solar panels. Particularly in today's challenging economic climate, this legislation could provide the needed incentive for property owners to make upgrades to reduce energy use and greenhouse gas emissions. (Proposed as a major goal for implementation for 2009.)

b. AB 2466—This legislation provides cities the opportunity to generate renewable energy (e.g., solar, wind) at one municipal site and credit the power generated to selected municipal accounts. The energy created would be fed into the power grid. Prior to this law, cities could "zero out" the account where the energy was generated but could not receive PG&E credit for excess power produced. (Proposed for 2009.)

2. Water Conservation—Due to the ongoing drought, a State-mandated requirement to reduce landscape water usage 20 percent by 2020 and the San Francisco Public Utility Commission's "Supply Assurance Limitation," the City will need to implement aggressive water conservation measures in conjunction with the Bay Area Water Supply and Conservation Agency (BAWSCA) and the Santa Clara Valley Water District (SCVWD). Although plans are evolving, it is clear the City will need to allocate additional resources to achieve the State and regional requirements.

3. Green Building Retrofitting—Overall, existing buildings outnumber new buildings by more than 100 to 1. In order to reduce its operating expenses and meet its AB 32 emissions reduction goals, the City should develop a plan and funding strategy to retrofit one or more City buildings each year with efficient green technologies.

4. Zero-Waste Plan—In line with neighboring cities San Jose and Palo Alto and to address the challenges inherent in achieving a 90 percent diversion rate by 2021, the City should develop a zero-waste plan as a major goal.

Public Participation

It is important for the City to continue to encourage and financially support its extraordinarily committed residents, independent of City government, to develop strategies and execute programs to assist residents, employers and community groups

in taking action to reduce carbon emissions. At the suggestion of the CESC, several members of the community have formed a citizen-led action group to continue assisting the City in its ongoing sustainability efforts. The group is formulating a work plan and has submitted a funding request (see Attachment 3).

GENERAL PLAN UPDATE

The CESC recognizes that the General Plan process is a critical tool to reshape the City for a more sustainable future. In December 2007, Mountain View was awarded a $45,000 grant for climate protection planning from the Bay Area Air Quality Management District (BAAQMD) Climate Protection Grant Program to develop Greenhouse Gas (GHG) reduction policies in its General Plan update.

The City used BAAQMD Climate Protection Grant funds to hire EDAW, a planning and environmental consulting firm, to assist the City with this project. EDAW will help develop GHG reduction policies and actions for the General Plan.

The General Plan will also include policies and actions that address broader sustainability issues. Sustainability is a General Plan planning principle that the community identified during the General Plan visioning process. Sustainability issues were also studied previously by the City's Environmental Sustainability Task Force.

The General Plan will weave GHG reduction goals and policies and sustainability principles throughout its various elements and will include a strategy to implement the goals and policies. The strategy will include a separate, complementary Greenhouse Gas Reduction Program with specific estimates of energy/fuel savings, financial savings, GHG reductions and any other co-benefits for each General Plan climate protection policy.

The General Plan is scheduled to be completed in December 2010.

SETTING REDUCTION TARGETS

Based on the following previously funded prerequisite actions the City will establish operations and community-wide GHG reduction targets, as well as conduct audits of City facilities to minimize use of energy and water and the production of waste.

1. City Operations GHG Emissions Inventory (*February-March 2009*)

   Staff is collecting City facilities and operations data and, in conjunction with the International Council for Local Environmental Initiatives (ICLEI), will complete the inventory by February-March 2009.

2. Community-Wide GHG Emissions Inventory (*April-May 2009*)

   The City began working with ICLEI in fall 2007, producing a community-wide GHG inventory in spring 2008. One portion of the inventory, the landfill CO_2e[1] emissions, seemed high, so the City Council authorized staff to conduct a landfill "leak test" to get actual emissions data (Quarter 1—2009) and finalize the inventory with ICLEI. The final emissions inventory should be completed in Quarter 2—2009.

3. City Facilities Energy and Water Audits (*Ongoing*)

   The City will continue to conduct energy and water audits of public facilities to identify employee actions to reduce usage of these resources and corresponding operational expenses.

4. Greenhouse Gas Reduction Targets (*Summer/Fall 2009*)

   Following completion of Items 1 through 3, the City will establish appropriate greenhouse gas-reduction targets. This will enable the City to reduce operational expenses and meet the State's reduction requirements.

PROPOSED SUSTAINABILITY ACTIONS

This Environmental Sustainability Action Plan proposes 25 initiatives for completion during Fiscal Years 2008-09, 2009-10 and 2010-11 and beyond. The focus in the short term is on "low-hanging fruit" actions, particularly energy efficiency and community outreach and education. Descriptions of each action can be found in the Appendix (Attachment 4).

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[1] CO_2e = Carbon dioxide equivalent.

TABLE 1—FISCAL YEAR 2008-09 PROPOSED ACTIONS

Action	Lead Department	Funding Source	Cost
1. Adopt CO_2e[1] Emissions Goals	PWD	General Fund	Previously funded
2. Redesign Water Billing Format	FASD	Water Fund	Previously funded
3. Recruit and Train Water Conservation Advocates	PWD	Salary Savings	$30,000
4. Participate in the Single-Use Bag Ordinance	PWD	Solid Waste Fund	TBD
5. Install Labeling on Trash Containers in Public Areas	PWD	Solid Waste Fund	$750
6. Establish LEED Silver as the Standard for New City Facilities	PWD	Various CIP	The cost of LEED Silver standard is estimated at 0% to 2% over conventional building costs
7. Support a Community-Led Green Citizens Action Team	PWD	General Fund	• $0 through June 2009 • Approximately 5% ESC[2] position beyond June 2009
8. Sponsor Sustainability Tabling and Outreach at Local Events	PWD	General Fund	• $0 through June 2009 • Approximately 3% to 5% ESC position beyond June 2009

[1] CO_2e = Carbon dioxide equivalent.
[2] ESC = Environmental Sustainability Coordinator.

Action	Lead Department	Funding Source	Cost
9. Work with VTA to Redesign Community Bus Route 34	PWD	VTA	-0-
10. Incorporate Climate Change Elements into General Plan Update	CDD	Grant	$45,000

TABLE 2—FISCAL YEAR 2009-10 PROPOSED ACTIONS

Action	Lead Department	Funding Source	Cost
1. Continue the Environmental Sustainability Coordinator Position for One Year	PWD	One-Time Funds	$140,000
2. Secure Technical Assistance to Establish an AB 811 Benefit Assessment	PWD	CIP Reserve	$100,000
3. Evaluate Feasibility of Implementing a Municipal Renewable Energy Facility (AB 2466)	PWD	50% North Bayshore and 50% CIP Reserve	$150,000
4. Create a Zero-Waste Action Plan (including waste characterization study and food waste composting program expansion)	PWD	Solid Waste Fund	$160,000 to $230,000
5. Fully Implement Bicycle Boulevards	PWD	CIP Reserve	$155,000 to $250,000
6. Participate in a Regional Effort to Study Feasibility of Automated Bicycle Rentals	PWD	VTA	$0
7. Prepare, Adopt and Implement a Pedestrian Master Plan	PWD	Grant Funds	$150,000 applied for

Action	Lead Department	Funding Source	Cost
8. Increase Free Arbor Day Trees	CSD	Add to Existing CIP	$7,000 to $10,000 annually
9. Create Environmental Displays at the Library	Library	One-Time Funds	$4,000 to $8,000
10. Implement State-Mandated Landscape Water Conservation Program	PWD	Water Fund and General Fund	TBD based on final ordinance language
11. Retrofit City Facilities with Green Technologies/Green the Library	PWD	CIP Reserves	$140,000 for Library; each building will vary
12. Enhance Expertise of CDD and PWD Staff Members in Green Building Practices	CDD	One-Time Funds	$10,000
13. Establish Green Building Standards for Private Buildings	CDD	One-Time Funds	TBD

TABLE 3—FISCAL YEAR 2010-11 AND BEYOND PROPOSED ACTIONS

Action	Lead Department	Funding Source	Cost
1. Participate in Regional Efforts to Ban Polystyrene Take-Out Food Containers	PWD	Solid Waste Fund	TBD
2. Retrofit City Facilities with Green Technologies/Building TBD	PWD	CIP Reserves	$100,000

COST/RESOURCE IMPLICATIONS

Sustainability actions in the current fiscal year are funded. The total cost for Fiscal Year 2009-10 ranges between about $866,750 and $1,038,750, including continuation of the Environmental Sustainability Coordinator position with one-time funds for one full year to lead many of the initiatives. As proposed, the 2009-10 fiscal year will require additional funding in several areas, as follows. (Grant funds received or pending are not shown.)

One-Time Funds	$154,000 to $158,000
North Bayshore	$ 75,000
Solid Waste Fund	$160,750 to $230,750
Water Fund	TBD
CIP Reserves	$477,000 to $575,000
Total	$866,750 to $1,038,750

Additional Funding Sources

Given the current economic climate, it will be important to leverage City resources by participating in regional sustainability initiatives for water conservation, solid waste reduction, transportation, green building and other efforts. The City is continually evaluating grant funding opportunities and public-private partnerships as a way of implementing sustainability actions at no or low cost. In addition, the City is actively seeking opportunities to implement projects through Federal stimulus funding and will propose projects once stimulus opportunities and requirements are known.

Funding Approaches

It will be difficult for the City to make meaningful progress in implementing greenhouse gas reduction and environmental sustainability strategies without investment in additional capital initiatives and staff resources. Therefore, the CESC is recommending a program that balances participation in regional initiatives with investment in projects funded by City special funds (Water Fund and the Shoreline Community), grants and strategic infusions of one-time and capital funds. In facing the environmental and financial challenge, the City Council could pursue different funding approaches, among them:

- Fund the environmental sustainability initiative on a year-to-year, project-by-project basis; or

- Adopt a two-year view and set aside a fixed amount of one-time discretionary funds (capital, General Fund, one-time), if available, focusing on the programs recommended by the CESC in this report.

CONCLUSION

In summer 2007, the City Council funded an environmental sustainability program focused on reducing the City's greenhouse gas emissions and operational expenses as well as improving the overall sustainability of the City. This Environmental Sustainability Action Plan provides leadership and a framework for achieving the City's short- and long-term sustainability goals.

NEXT STEPS

Based on the discussion at the Study Session, the next step would be for Council to further refine its desired environmental sustainability strategy in the upcoming goal-setting process, so a program will be ready for formal action as part of the budget discussion/consideration scheduled for later this spring.

Prepared by:

Jac Siegel

Jac Siegel, Chair
Council Environmental Sustainability Subcommittee

JS/SA/9/CAM
916-02-24-09M-E^

Attachments:
1. March 2008 City Council Report on Green Buildings
2. Supplemental Information on LEED Standards
3. Green Citizens Action Team Funding Request
4. Appendix

Attachment 2

2008 ENVIRONMENTAL SUSTAINABILITY TASK FORCE RECOMMENDATIONS

In ESAP	Title	Priority	S	M	L	Cost	CO_2e Reduct'n (Metric tons)	$ per Metric Ton
1. BASELINE AND MEASUREMENTS								
✓	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								
	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	
✓	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	
	Replace Paved Surfaces with Permeable Surfaces	5	✓	✓		Unk	292/yr	
✓	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								
✓	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	
✓	Ban Polystyrene Take-Out Food Containers	4	✓	✓	✓	VL *	Unk	
	Educate the Public on Recyclable Material Processing and Eco-Conscious Purchasing	5	✓	✓	✓	M *	Unk	
✓	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	

In ESAP	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	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
	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								
✓	Fully Implement Bicycle Boulevards	1		✓		Unk	Unk	
✓	Provide Automated Bicycle Rental and Additional Bicycle Parking Facilities	2		✓		Unk	Unk	
	Provide Community Shuttle Services	3		✓		VH *	100/yr	$475-550
✓	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	
	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								
	Implement a Connected System Of Healthy Villages	1	✓	✓	✓	L	TBD	
	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	
	Diversify Land Uses In Underutilized Areas	5	✓	✓	✓	RG	267/yr	
	Adopt LEED Neighborhoods Guidelines	6	✓	✓	✓	L	TBD	
	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	

In ESAP	Title	Priority	S	M	L	Cost	CO_2e Reduct'n (Metric tons)	$ per Metric Ton
	8. BUILT ENVIRONMENT							
✓	Require Public Buildings to Achieve LEED Silver	1	✓		✓	RG	Unk	
✓	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	
✓	Enhance the Expertise of Planning and Building Department Staff Members in Green Building Processes and Practices	7	✓			VL *	Unk	
	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							
✓	Increase Tree Coverage in Mountain View	1	✓	✓	✓	M	Unk	
	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	

In ESAP	Title	Priority	S	M	L	Cost	CO_2e Reduct'n (Metric tons)	$ per Metric Ton
11. COMMUNITY OUTREACH AND GREEN BUSINESS								
	Commission and Implement a Comprehensive Outreach Campaign	1	✓	✓		M *	N/A	N/A
✓	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
✓	Create and Maintain an Environmental Focus Section and Rotating Displays at Mountain View Public Library	6	✓			VL *	N/A	N/A
✓	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
	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 use this information to determine 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).
5. Install Labeling on Trash Containers in Public Areas	**COMPLETE.** Completed in summer 2010.

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

FISCAL YEAR 2008-09 ACTIONS (Continued)

Action	Status
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 General Plan. The draft GGRP is being developed in conjunction with the 2030 General Plan Update. A draft GGRP is scheduled for completion in May 2011 and then will be 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 2010-11. Continued funding in Fiscal Year 2011-12 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 in summer 2011. Phase 1 of the food waste composting pilot program (large food waste generators) is fully operational. Phase 2 (smaller food waste generators) is under development.
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 are being used to construct a second bike boulevard from Dale/Heatherstone to the Transit Center. Design development is under way and the project is scheduled for completion 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 Plan is scheduled for completion by the end of 2011.

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 spring 2011.

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

FISCAL YEAR 2009-10 ACTIONS (Continued)

Action	Status
12. Enhance Expertise of Community Development Department and Public Works Department Staff Members in Green Building Practices	**Currently under way.** Public Works Department and Community Development Department staff have solicited and received proposals for green building staff training, which will be completed by fall 2011.
13. Establish Green Building Standards for Private Buildings	**COMPLETE.** Second reading of a Mountain View Green Building Code is scheduled for June 2011. Code will be effective 30 days after second reading. (First reading and adoption was on March 22, 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. Once the additional information about implementation-related issues has been presented to the RWRC in June 2011, it may recommend each jurisdiction within Santa Clara County adopt a ban on foam food take-out containers.
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 pay for new lighting at the Cuesta and Rengstorff tennis courts. Lighting tests are currently under way. • 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.

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

NEW ENVIRONMENTAL SUSTAINABILITY ACTION PLAN

—POTENTIAL ACTION ITEMS—

a. Participate in a regional effort to adopt single-use bag ordinances.

b. Complete incorporating climate change elements into the General Plan update.

c. Create a zero waste plan.

d. Participate in a regional effort to study the feasibility of automated bicycle rentals.

e. Prepare, adopt and implement a Pedestrian Master Plan.

f. Complete "Greening the Library."

g. Train Community Development Department and Public Works Department staff on green building practices to enhance expertise.

h. Participate in regional efforts to ban polystyrene take-out food containers.

i. Retrofit City facilities with green technologies.

j. Monitor progress towards achieving the 2012 community-wide greenhouse gas (GHG) reduction target and identify additional measures to ensure the reduction target will be met.

k. Complete the inventory of 2010 government operations GHG emissions and measure them against the reduction target.

l. Complete the inventory of 2012 community-wide GHG emissions and measure them against the reduction target.

m. Implement the Energy Upgrade Mountain View program.

n. Complete the installation of solar photovoltaic systems at the golf Pro Shop and Shoreline Maintenance facility.

o. Investigate the feasibility of installing renewable energy technologies, including solar photovoltaic (PV), at City facilities.

SPA/5/PWK
916-05-12-11L-E^