



Planning Commission and Bicycle Pedestrian Advisory Committee Staff Report

DATE: October 4, 2012

TO: Planning Commission and Bicycle Pedestrian Advisory Committee

FROM: Bertha Aguilar, Management Analyst

SUBJECT: **Climate Action Plan and Pedestrian Master Plan**

RECOMMENDATION

It is recommended that the Planning Commission and Bicycle and Pedestrian Advisory Committee (BPAC) accept staff's presentation on the Climate Action Plan (CAP) and Pedestrian Master Plan (PMP) and provide comments on the information presented.

BACKGROUND / DISCUSSION

The City is currently preparing a Climate Action Plan/Pedestrian Master Plan, funded by a \$323,624 grant from the Strategic Growth Council. The Climate Action Plan (CAP) serves three primary purposes. It supports the goals of AB 32 (the "Global Warming Solutions Act") and SB 375 ("Greenhouse Gas Emissions Regulations"), provides a blueprint to reduce greenhouse gas emissions on a community-wide and municipal scale, and will generate a California Environmental Quality Act document to streamline environmental review of future development projects. The Pedestrian Master Plan (PMP), which is a companion document to the CAP, will serve as a major implementation tool to reduce transportation-related emissions and improve public health.

The purpose of this study session is to allow the consultants to present preliminary findings and recommendations on the CAP and PMP, and provide the Planning Commission and BPAC an opportunity to provide comments at this juncture.

Efforts to Date

Since its launch in November of 2011, the City's lead consultant, PMC, and its sub-consultant Fehr & Peers, have worked with City staff to produce the following key actions and accomplishments:

- Set up Technical Advisory Committee (TAC):
An in-house Technical Advisory Committee was established with representatives from each City Department to provide guidance and feedback on draft documents and measures designed to reduce greenhouse gas emissions.

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- Creation of a CAP/PMP Website and Survey Monkey:
The CAP/PMP website, www.ssf.net/cap.pmp, informs our residents and stakeholders about upcoming meetings and workshops, and provides access to documents, a glossary and resources page. The website is continuously updated as documents are posted and events scheduled. Staff also created an e-notify list allowing subscribers to receive e-mail notices as the pages are updated.
- Draft documents and reduction measures:
PMC and Fehr & Peers completed “Policy Gap Audits” of the City’s current policies and programs, laying the groundwork for setting GHG reduction targets and identifying improvements for the Pedestrian Master Plan. The first four chapters of the PMP were presented to BPAC during its July 11 meeting and can be found online at www.ssf.net/cap.pmp.
- Community Workshop #1 - March 10:
Held on Saturday, March 10, the first Community Workshop featured an open-house with six “stations” at the Municipal Services Building. Designed to familiarize residents with the CAP/PMP, it offered information on the project schedule, how residents can participate in developing the CAP/PMP, and provided an early opportunity for residents to ask questions and provide comments.
- Community Workshop #2 – May 6:
The second Community Workshop was held in conjunction with the City-sponsored Streets Alive! Parks Alive! event at the Fernekes Building in Orange Park. Workshop #2 focused on identifying goals, policies and programs the City should consider including in the CAP/PMP. Public feedback was critical in helping PMC shape its draft CAP policies and programs.
- BPAC Meetings:
Meetings with the City’s BPAC were held on April 24, 2012 to July 11, 2012 to discuss PMP goals and to review the PMP’s first four chapters and draft recommended projects.
- Walk Audits - May 1 through 6:
16 Walk Audits were conducted by Fehr & Peers and City staff on May 1, 3 and 6. The community was invited to participate in six “Community Walk Audits”, focused primarily on the Downtown area. A total of thirteen people participated. The final two Community Walk Audits were part of the “Streets Alive” event on Sunday, May 6. Fehr & Peers used the Walk Audit information to develop its list of recommended improvements to sidewalks, pedestrian amenities and intersections to facilitate increased walking. City Engineering staff became familiar with the Walk Audit tool which can be used to conduct future pedestrian audits.

Next Steps

A third and final workshop will be scheduled in late fall to present a more extensive draft of the CAP reduction measures and the PMP list of recommended pedestrian improvements to the public. An environmental review will be conducted once the CAP and PMP are in final draft form. Staff expects to return to the Planning Commission and BPAC for final recommendations to Council in late spring.

Staff Report

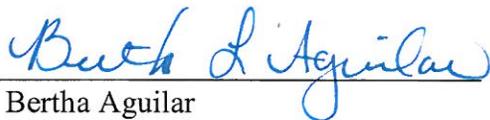
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CONCLUSION

It is recommended that the Planning Commission and Bicycle and Pedestrian Advisory Committee accept staff's presentation on the Climate Action Plan (CAP) and Pedestrian Master Plan (PMP) and provide direction to staff.

By: 
Bertha Aguilar

Attachments:

- BPAC minutes of April 24, 2012 and July 11, 2012
- Draft CAP Goals, Policies and Actions
- Draft PMP Chapter 1 through 5, including Appendix (Design Guidelines)

CITY OF SOUTH SAN FRANCISCO
BICYCLE / PEDESTRIAN ADVISORY COMMITTEE
Special Meeting Minutes, Tuesday, April 24, 2012
City Hall Annex Conference Room
315 Maple Avenue, South San Francisco
6:00 pm

Karen Sumner
Chairperson

Al Meckler
Vice-Chairperson

Dan Sherman
Committee Member

Teresa Avelar
Committee Member

Tracy Scramaglia
Secretary

Heather Ruiz
Clerk

COMMITTEE MEMBERS:

Present: Karen Sumner, Al Meckler, Dan Sherman, Teresa Avelar

STAFF PRESENT:

Engineering Division: Tracy Scramaglia, Dennis Chuck, Heather Ruiz
City Manager's Office: Susan Kennedy
Sustainability Division: Steve Carlson

PROCEEDINGS:

Call to Order: 6:04 pm by Vice-Chairperson Al Meckler
Chair Comments: No comments
Agenda Review: Item 1 will be presented last pending the arrival of Karen and Dan.
Public Participation: PMC – Scott Davidson
Fehr & Peers – Brooke DuBose
Public Comments: No comments.
Approval of Minutes: Minutes of March 7, 2012 approved.

ADMINISTRATIVE BUSINESS:

Item 1. Pedestrian Master Plan (PMP) Quarterly Meeting #1 – Presentation by Scott Davidson, PMC and Brooke DuBose, Fehr & Peers

Scott Davidson of PMC and Brooke DuBose of Fehr & Peers have teamed together to prepare two documents for the City – the Climate Action Plan (CAP) and the Pedestrian Master Plan (PMP). They presented a PowerPoint presentation summarizing the plans and goals of the CAP/PMP.

PMC and Fehr & Peer's PowerPoint Presentation highlighted the following items:

Project Objectives:

- Develop a Climate Action Plan (CAP) to implement strategies that reduce greenhouse gas (GHG) emissions.

- Transportation emissions comprise the majority of South San Francisco's GHG emissions. With a new Bike Plan, a Caltrain Station, a Bart Station, a nearly complete ferry terminal, and two Priority Development Areas, the City has identified the Pedestrian Plan as a major implementation tool to reducing transportation emissions.
- Together, the CAP and PMP will pave the way for the City to meet the goals of Assembly Bill (AB) 32 and plan for climate change adaption.

Greenhouse Gases:

The emission of greenhouse gases has contributed to the greenhouse gas effect and changes to the global climate temperature. The State has set up a State-wide goal to reduce the emissions to 1990 levels by the year 2020. This goal can only be achieved if there is a change in behavior and how things are operated.

South San Francisco 2005 GHG Inventory:

The pie chart presented illustrates the City's emissions profile in which less than half of the emissions are from transportation. The chart reflects the inventory as follows:

Transportation	32.53%
Commercial/Industrial	32.33%
Waste	12.31%
Residential	11.78%
Stationary Sources	6.88%
Off-Road	3.72%
Water	0.26%
BART	0.10%
CalTrain	0.08%

2020 GHG Emissions Forecast:

PMC expects the 2005 emissions to continue to increase. The graph presented demonstrates a growth of 80,000 metric tons from the year 2005 to 2020. PMC's goal is to get from the Adjusted BAU with State & Local Reductions (green line) of 579,869 metric tons to the Business-as-Usual Growth (blue line) of 637.852 metric tons.

Prioritizing Measures:

- Effectiveness (GHG reduction)
- Cost
- Feasibility (political and technical)
- Co-Benefits

Fehr & Peers' Approach to the Pedestrian Master Plan:

- **Public Input**
 - Walking Audits – allows for evaluation of the streets and pedestrian amenities.
 - Workshops
 - Framework for the PMP is based on the California Statewide Pedestrian Safety Assessment Program. The program focuses on two (2) elements: policies & programs and engineering & implementation, which comprise the PMP.
- **Existing Conditions**

- Policy Analysis – completed.
- Benchmark Evaluation

Recommendations and Implementation:

Once the walk audits are completed and concepts developed, Fehr & Peers will generate and identify projects to incorporate into the PMP. The projects will be prioritized according to the number of criteria. The City will pursue grants to implement the high priority projects. Support programs (education, design guidelines for pedestrian improvements, etc.) will be recommended in the Plan.

Fehr & Peers uses several indicators to develop pedestrian network and opportunities for making improvements listed below.

- **Activity Generators:**

The activity generator indicator identifies transit hubs, retail areas, main employment centers, parks, schools, etc.

- **Pedestrian Demand:**

The Pedestrian Demand indicator maps out the employment generators parks, residential areas, schools, public transportation areas, and priority development area. Efforts are focused on the areas with the highest pedestrian volume.

Al Mecker pointed out that the BART route indicated on the map is incorrect. He suggested that the map extend the street network beyond the City limits. Brooke agreed to extend the map's street network and will look into the inaccuracy of the BART route.

- **Pedestrian Collisions 2005-2010:**

The Pedestrian Collision analysis identifies the areas where most pedestrian and vehicle collisions occur.

- **Pedestrian Audit Locations:**

The Pedestrian Audits is an opportunity to train participants on how to develop ideas for pedestrian improvements and better walking environments.

- **Missing Sidewalks:**

The streets with missing sidewalks are indicated by two lines: while the thin line specifies the streets where one side is missing a sidewalk, the thick line specifies the streets where both sides are missing sidewalks. More maps will be developed for recommended improvements and opportunity areas.

- **Community Outreach:**

PMC and Fehr & Peers will have a booth set up at the Streets Alive! Parks Alive! Event informing the public about the CAP/PMP Project. Another workshop will be scheduled in the future to present responses to the community and discuss solutions for pedestrian access and safety.

Planning Context (handout)

Summary of Benchmarking Analysis, Chapter II, Page II-11, Table II-5

Brooke presented a general overview of the benchmarking analysis, which is an in-depth interview completed with City staff to learn the City's efforts in terms of policies, programs, and practices related to pedestrian safety and accommodations.

The benchmarking analysis table is broken down into five categories, of which include key strengths, enhancements, and opportunities.

Category	Key Strengths	Enhancements	Opportunities
Policies	<ul style="list-style-type: none"> ▪ Climate Action Plan 	<ul style="list-style-type: none"> ▪ Design Standards ▪ Overcoming Institutional Barriers ▪ Speed Surveys/Speed Limits ▪ Transportation Demand Management 	<ul style="list-style-type: none"> ▪ ADA Transition Plan ▪ Complete Streets & Crosswalk Policy ▪ General Plan ▪ Safe Routes to Transit ▪ Warrants for Traffic Control Devices
Data Collection	<ul style="list-style-type: none"> ▪ Collision History and Reports ▪ Trip and Fall Reports 	<ul style="list-style-type: none"> ▪ Bicycle Facility Inventory ▪ Sidewalk Inventory 	<ul style="list-style-type: none"> ▪ Pedestrian Volumes ▪ Trails and Paths Inventory
Programs	<ul style="list-style-type: none"> ▪ Walking Audits 	<ul style="list-style-type: none"> ▪ Safe Routes to School Program ▪ Traffic Calming Program 	<ul style="list-style-type: none"> ▪ Pedestrian, Bicycle and TDM Coordinator ▪ Pedestrian Education
Enforcement	<ul style="list-style-type: none"> ▪ Involving Enforcement in Design 	<ul style="list-style-type: none"> ▪ Pedestrian-Oriented Enforcement ▪ Shared Pedestrian Enforcement ▪ Traffic Safety Officers 	<ul style="list-style-type: none"> ▪ Pedestrian Safety Course
Promotion	<ul style="list-style-type: none"> ▪ Coordination with Health Agencies ▪ Promotional Giveaways ▪ Public Involvement 		<ul style="list-style-type: none"> ▪ Economic Vitality ▪ Signage and Way Finding

Item 2. Discuss Streets Alive! Parks Alive! Event – Presentation by Tracy Scramaglia, Engineering Division

The Streets Alive Event is on Sunday, May 6th at Orange Park from 10:00 am to 1:00 pm. BPAC Committee Member, Teresa Avelar, will be leading the leisure walk. The walk will begin at 11:00 am and participants must sign a waiver prior to starting. Tracy has provided twenty-five (25) copies of the map/route to Elaine Porter of the Park and Recreation Department to hand out to the participants. The City will provide water.

Item 3. Present the BPAC Website Content by Tracy Scramaglia, Engineering Division

Tracy handed out the website content for BPAC to review. After review, BPAC will approve the content at the next meeting.

COMMITTEE COMMENTS:

None

STAFF COMMENTS:

None

ADJOURNMENT:

There being no further business, a motion to adjourn was presented by Chairperson, Karen Sumner. All present voted in favor and the meeting was adjourned. Chairperson Sumner closed the meeting at 7:48 pm.

CITY OF SOUTH SAN FRANCISCO
BICYCLE / PEDESTRIAN ADVISORY COMMITTEE
Special Meeting Minutes, Wednesday, July 11, 2012
City Hall Annex Conference Room
315 Maple Avenue, South San Francisco
6:00 pm

Karen Sumner Chairperson	Al Meckler Vice-Chairperson	Dan Sherman Committee Member	Teresa Avelar Committee Member
Tracy Scramaglia Secretary		Heather Ruiz Clerk	

COMMITTEE MEMBERS:

Present: Karen Sumner, Al Meckler, Teresa Avelar
Absent: Dan Sherman

STAFF PRESENT:

Engineering Division: Tracy Scramaglia, Heather Ruiz
Sustainability Division: Bertha Aguilar, Susan McCue

PROCEEDINGS:

Call to Order: 6:07 pm by Chairperson Karen Sumner
Chair Comments: No comments.
Agenda Review: The meeting will begin with Item #2.
Public Participation: Brooke Dubose and Megan Weer of Fehr & Peers,
Scott Davidson and Erin Zainer of PMC, Jill Eyres,
Matt Butler and Doug Butler
Public Comments: Matt and Doug Butler are interested in how the PMP will
affect the Winston Manor area.
Approval of Minutes: Minutes of June 6, 2012 approved.

ADMINISTRATIVE BUSINESS:

Item 1. Pedestrian Master Plan (PMP) Quarterly Meeting #2: Presentation by Scott Davidson, PMC and Brooke Dubose, Fehr & Peers

Scott presented a quick update on the Climate Action Plan (CAP). PMC has been able to gather survey information from 50+ participants from Workshop #2. The information will be used to draft goals, policies, and actions related to transportation alternatives, as well as mass transit.

Next, Brooke presented a PowerPoint presentation on the PMP and discussed the following topics:

Walking Audits & Key Themes

City staff, BPAC members, and residents participated in sixteen (16) walking audits in May. Fehr & Peers developed key themes from information gathered throughout the walk audits.

- Sidewalks – Some residential neighborhoods have rolled curb sidewalks, which encourage people to park on the sidewalk.
- Intersections – upgrade countdown signals.

- ADA Access – curb ramps are older and some don't exist. City will continue to upgrade the ramps so that they are in accordance with ADA standards.
- High Speed Traffic – encourage slower speeds at areas with traffic calming.
- Linear Barriers – how to make crossings more comfortable for pedestrians.

Existing Conditions & Recommendations

Presented slides which indicated the following within the City:

- Citywide and site specific opportunities for project.
- Missing sidewalks and curb ramps.
- Intersections without marked crosswalks.

Recommended Projects Lists

(Reference: Recommended Improvements, Chapter 4 – Draft)

- Walk Audit #2-3 (Mission Road and Sequoia). Mission Road connects to BART and El Camino High School. There is an opportunity for crossing enhancements at an uncontrolled crosswalk location.
- Walk Audit #3-3 (Hickey and Hilton). This area is not formally closed and is seen as an open crosswalk, which isn't safe. This is an opportunity to re-align crossings in place and extend sidewalk.

Item 2. SSF Bike Program Raffle For a Bike Tune-Up: Presentation by Tracy Scramaglia, Engineering Division

Participants' names were entered into the raffle every time they submitted a completed bike log. Justin Lovell's name was pulled from the raffle and he will receive a free bike tune-up from Summit Bikes.

Item 3. SSF Bike to the Market 2012: Presentation by Tracy Scramaglia, Engineering Division

The event will take place on Saturday, August 25, 2012 from 10:00 am to 2:00 pm. BPAC is highly encouraged to participate in the event. There will be a table with giveaways for people who bike to the market.

COMMITTEE COMMENTS:

- None

STAFF COMMENTS:

- Tracy: BPAC currently has one vacancy; however, at the July 25, 2012 City Council meeting, it will be recommended that the number of BPAC members increase from five (5) to seven (7).

ADJOURNMENT:

There being no further business, a motion to adjourn was presented by Chairperson, Karen Sumner. All present voted in favor and the meeting was adjourned. Chairperson Sumner closed the meeting at 7:23 pm.

South San Francisco

Climate Action Plan

Proposed Policies and Actions

October 4, 2012

Land Use and Transportation

Goal LUT1: Reduce Transportation Emissions.

- 1) **Policy:** Maintain and expand transportation alternatives and active transportation.
 - a. **Action:** Collaborate with BART, SamTrans, Caltrain, other transit agencies, and neighboring jurisdictions to improve transit service connections and frequency.
 - b. **Action:** Work with businesses to support shuttle connections to transit.
 - c. **Action:** Implement the Bicycle Plan, Pedestrian Master Plan, Safe Routes 2 School, and other public transportation policies to remove barriers, improve connectivity, and provide infrastructure to support bicycle and pedestrian access.
 - d. **Action:** Establish citywide design standards to incorporate all modes of transportation (public transit, bicycle, pedestrian, and automobile) in “complete” street designs.
 - e. **Action:** Apply traffic mitigation fees to support projects and actions that reduce emissions from vehicle trips.
 - f. **Action:** Expand facilities and take advantage of existing programs for bike-share or rental at transit nodes.
- 2) **Policy:** Integrate higher-density development and mixed-use development near transit facilities and community facilities.
 - a. **Action:** Identify transit nodes that are appropriate for mixed-use or higher-density development.
 - b. **Action:** Continue to develop and implement Priority Development Areas and Station Area Plans.
 - c. **Action:** Encourage ground-floor, street-oriented commercial uses in higher-density residential, industrial, and office zones.
 - d. **Action:** Establish criteria to ensure that libraries, schools, parks, and other community facilities are available within higher-density development areas.
 - e. **Action:** Continue to support “complete” street policies.

Goal LUT2: Improve Vehicle Efficiency

1. **Policy:** Expand the use of alternative fuel vehicles.
 - a. **Action:** Adopt policies that support alternative fuel vehicle infrastructure such as biofuel and electric vehicle charging stations.

- b. Action: Revise parking design guidelines to include designated spaces for electric vehicles, carpool vehicles, and other low-emissions vehicles.
 - c. Action: Expand the network of electric car charging stations.
 - d. Action: Expand facilities for vehicle sharing at transit nodes and business and commercial destinations.
 - e. Action: Include pre-wiring supporting electric vehicles in green building standards for new development.
 - f. Action: Work with Scavengers, other waste haulers, and other organizations that maintain a vehicle fleet to use less carbon intensive fuels such as biofuels from waste oil.
2. **Policy**: Reduce emissions from off-road vehicles and equipment.
- a. Action: Support BAAQMD’s voluntary exchange program for residential lawn mowers and backpack-style leaf blowers.
 - b. Action: Include information on limiting idling time, and electric, non-powered, and other energy-efficient lawn and garden equipment in public education efforts.
 - c. Action: Train building inspectors and planning and permitting staff to work with applicants to reduce emissions from construction equipment by educating them on idling restrictions, suggesting alternatively powered equipment, and suggesting they connect to the grid rather than using generators.

Goal LUT3: Reduce single-occupant vehicle use.

1. **Policy**: Reduce vehicle miles traveled.
- a. Action: Continue to implement the Traffic Demand Management (TDM) program to expand voluntary trip reduction programs (e.g., Casual Carpool, Rideshare, Spare-the-Air Day, Bike-to-Work day).
 - b. Action: Recognize local businesses that decrease employee commute trips.
 - c. Action: Coordinate with local employers, transit providers, and neighboring jurisdictions to implement bicycle and car share programs.
 - d. Action: Coordinate with the Peninsula Congestion Relief Alliance to provide connections from Oyster Point to business centers and other transportation services (e.g., Caltrain, BART and ferry service).
 - e. Action: Support local food programs (e.g., farmers markets, urban agriculture, and community and school gardens) to reduce food transportation.
 - f. Action: Support employers and businesses to designate priority parking for carpool/vanpool.
 - g. Action: Review and improve enforcement and accountability of the City’s existing TDM ordinances.
2. **Policy**: Reduce the land area requirements for automobiles.
- a. Action: Provide flexibility for shared parking in areas that contain mixed-use development.

- b. Action: Establish an in-lieu parking fee to develop concentrated parking where appropriate.

Energy Efficiency

Goal EE1: Increase building energy efficiency.

1. **Policy**: Identify building standards that result in energy efficiency.
 - a. Action: Implement CalGreen building standards and provide incentives for projects that exceed minimum standards.
 - b. Action: Support property owners in improving energy efficiency in their homes and develop a program to support property owners in responding to the energy efficiency needs of their tenants.
 - c. Action: Provide incentives (e.g., streamlined permitting, reduced fees) that encourage new development to exceed energy efficiency standards and establish renewable energy facilities.
 - d. Action: Continue the City's urban forestry programs (e.g., adopt a tree) to increase the tree canopy within the city.
2. **Policy**: Support funding for energy upgrades to existing structures.
 - a. Action: Increase residential participation in energy efficiency programs like PG&E's Energy Upgrade and Climate Smart Programs, Cool Communities, Energy Watch, Bay Area Green Business, and low-income weatherization programs.
 - b. Action: Integrate energy efficiency standards in existing affordable housing and foreclosure conversion programs to reduce monthly housing costs.
 - c. Action: Continue City's participation in PACE, Energy Upgrade California, Grow America Fund's Energy Efficiency Financing, or similar mechanisms to support projects that result in a 10% or better improvement in building efficiency.
 - d. Action: Continue to seek funding to support green building and weatherization-training programs from local community colleges like the Clean Energy Programs at San Jose/Evergreen Community College District.
3. **Policy**: Promote energy savings.
 - a. Action: Provide incentives for preparing energy audits that identify improvements that could reduce natural gas and electricity consumption.
 - b. Action: Require property owners to provide potential buyers and tenants with energy use from prior years.
 - c. Action: Partner with local Realtors to provide certified energy audits, or HERS II at the time of sale.
 - d. Action: Work with PG&E to implement smart grid technology in new and existing residential and nonresidential properties.
 - e. Action: Provide outreach and education to encourage behavioral changes (e.g., air drying clothes, unplugging appliances, daylighting strategies) that save energy.

Goal EE2: Increase alternative energy options in South San Francisco.

1. **Policy:** Promote installation of alternative energy facilities.
 - a. Action: Continue to provide zoning to designate areas that are appropriate for small- and medium-sized alternative energy installations.
 - b. Action: Continue to install alternative energy facilities on City facilities and lands.
 - c. Action: Continue to update cogeneration infrastructure on the wastewater treatment facility.
2. **Policy:** Reduce the cost of alternative energy installations.
 - a. Action: Establish a renewable energy strategy to streamline the process and reduce permit cost of appropriately sized residential and commercial renewable energy projects.
 - b. Action: Facilitate bulk purchase of alternative energy equipment (e.g., solar panels through SunShares or similar programs) to defray the cost of installation for interested businesses, institutions, and residents.
 - c. Action: Seek funding and low-interest loan opportunities to purchase and install renewable energy systems to achieve a targeted percentage of total city use.
3. **Policy:** Support green industries.

Waste

Goal W1: Reduce waste disposal rates and volumes.

1. **Policy:** Develop a waste reduction strategy to increase recycling and reuse of materials.
 - a. Action: Continue to work with property owners and Scavengers to provide recycling and compost bins to all tenants.
 - b. Action: Update the construction-and-demolition recycling ordinance to require that 65% of nonhazardous debris be recycled or salvaged.
 - c. Action: Continue to work with Scavengers and other waste haulers to establish residential and commercial green waste recycling/composting services for the city.
 - d. Action: Collaborate with Scavengers to implement an educational program aimed at increasing recycling and decreasing contamination of bins.
 - e. Action: Coordinate with the Chamber of Commerce, the existing Bay Area Green Business program, or CalRecycle's WRAP to establish a program that recognizes and rewards local businesses that reduce waste associated with their products and services.
 - f. Action: Develop an enforcement mechanism to comply with the City's existing food packaging ordinance and San Mateo County's existing ban which prohibits polystyrene. Encourage compostable and recyclable alternatives.
2. **Policy:** Reduce land fill emissions.
 - a. Action: Explore opportunities to increase methane capture at the Oyster Point landfill.

Water Efficiency

Goal WE1: Conserve water.

1. **Policy:** Reduce water demand.
 - a. **Action:** Continue to implement the Urban Water Management Plan to reduce potable water use by at least 20%.
 - b. **Action:** Revitalize implementation and enforcement of the Water Efficient Landscape Ordinance by undertaking the following:
 - A variable speed pump exchange for water features.
 - Limiting turf area to less than 20% of the yard area.
 - Restricting hours of irrigation to occur between 3:00 a.m. and two hours after sunrise.
 - Installing irrigation controllers with rain sensors.
 - Landscaping with native, water-efficient plants.
 - Installing drip irrigation systems.
 - Reducing impervious surfaces.
2. **Policy:** Provide alternative water resources for irrigation.
 - a. **Action:** Create water policies for the storm water management strategy that seek to capture storm runoff (e.g., rain water collection and irrigation programs).
 - b. **Action:** Implement the Recycled Water Project in collaboration with San Bruno, the SFPUC, and CalWater.

Municipal Operations

Goal MO1: Promote energy efficiency and cost savings for City facilities and programs.

1. **Policy:** Promote energy saving facilities and practices.
 - a. **Action:** Conduct audits of existing facilities, prioritize improvements, and upgrade facilities to save energy.
 - b. **Action:** Continue to upgrade traffic signals, street lighting, and outdoor lighting with more efficient equipment.
 - c. **Action:** Continue increasing solar electricity use for City operations.
 - d. **Action:** Develop policies related to powering off lights and appliances after hours and after dark.
 - e. **Action:** Continue to improve efficiency at the water treatment facility.
2. **Policy:** Conserve water.
 - a. **Action:** Install water-efficient landscaping on City properties.
 - b. **Action:** Where possible, remove turf from municipal facilities.
3. **Policy:** Reduce waste.
 - a. **Action:** Develop a composting program for municipal facilities.
4. **Policy:** Establish budgeting and administration practices to support the CAP.
 - a. **Action:** Establish a purchasing policy that includes:

- Green office supplies: Purchase energy-efficient appliances, recycled, recyclable and compostable supplies.
 - Green fleet and equipment: Create purchasing orders for replacing less-efficient vehicles with fuel-efficient vehicles (e.g., hybrids, electric vehicles, and bio-fuel vehicles).
- b. Action: Reduce municipal fleet fuel use by a designated percent by the year 2020.
- c. Action: Establish policies to support telecommuting and flexible work hours for employees.
- d. Action: Develop a process for sharing information on municipal operations' energy and water use with the public as an educational tool.

**Pedestrian Master Plan
Chapters 1 through 5
including Appendix A can
be found online at
www.ssf.net/cap.pmp**