

City and County of San Francisco
Convention Facilities Department Climate Action Plan

Data year: Fiscal Year 2010-2011

Climate Liaison: John Noguchi

Date: March 31, 2012

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1. INTRODUCTION

In FY 10-11, the Department’s total energy consumption, from electricity, natural gas, and steam, resulted in the emission of approximately 3,153.26 metric tons of carbon dioxide equivalent (CO₂e). The total cost incurred by the department for energy use was \$2,123,001.24. The Department’s GHG Emissions from Unleaded Gasoline was 389.3 gallons consumed, resulting in 3.43 metric tons of CO₂. The cost incurred to the Department was \$1,405.07. The Department also consumed 74.7 CNG which resulted in 0.46 metric tons of CO₂. The cost incurred to the Department was \$122.17.

The Department’s overarching climate goals and implementation plan is to meet the Mayor’s challenge of reducing energy consumption in the City owned Moscone Center by 50%. The 2010 Energy Study identified savings of up to 41% with an undetermined additional savings that will be created by the retro commissioning project. In addition, the restroom renovation and potential cistern projects can save an estimated 2M gallons of water per year.

The Department is also focused on education and cultural change for the occupants, managers and visitors at the Moscone Center. There are several initiative underway to drive these behavioral changes that will significantly reduce consumption at the facility. Our intent is to implement capital projects as well as no cost/low cost process changes that will dramatically shift the focus on energy efficiency at Moscone.

The Moscone Center will continue to be a leading venue in sustainability and maintain an award winning history:

- 2009 US EPA Environmental Achievement Award for a sustainable building that protects the environment
- 2004 EPA/DOE Green power Award for on-site generators
- 2001 Governor’s Environmental and Economic Leadership Award, State of California
- 2001 Wrap Award for outstanding achievement as a commercial recycler
- 2000 Wrap Award for outstanding achievement as a commercial recycler
- 1999 Wrap Award for outstanding achievement as a commercial recycler

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2. DEPARTMENTAL PROFILE

DEPARTMENT MISSION

The Convention Facilities Department's primary responsibilities include the overall management and operations of the Moscone Center as well as management of the allocation of public funding to the San Francisco Travel Association in its mission to promote San Francisco as a world class destination for conventions and visitors from around the world. In addition, the Director oversees the City Hall Events Department responsible for the marketing, sales and daily operations for all special events at City Hall.

DEPARTMENT BUDGET

At present, the Convention Facilities Department manages a total annual budget of approximately \$71 million which includes operating costs of the Moscone Convention Center and the City Hall Special Events Department. Debt service on the Moscone Center is also included in this annual budget allocation, as well as utility costs for all Moscone Center facilities.

NUMBER OF EMPLOYEES

The Department has six full time employees.

FACILITIES

The Department occupies office space in the Moscone Convention Center, 747 Howard Street, 5th Floor, San Francisco, CA 94013. The Moscone Center covers more than 20 acres on three adjacent blocks. It features more than 2 million square feet of building area including over 700,000 square feet of exhibit space, up to 106 meeting rooms, and as many as three ballrooms, and nearly 123,000 of prefunction lobbies.

The Department also occupies office space in San Francisco City Hall, 1 Dr. Carlton B. Goodlett Place, Room 495, San Francisco, CA 94102. A National Historical Landmark, San Francisco City Hall occupies two City blocks and contains over 5500,000 square feet of space which includes the executive and legislative bodies and a number of City departments, as well as public assembly spaces for government, community and special events.

VEHICLES

The Department maintains two service vehicles, a 2004 Chevrolet 2500 can used primarily for pick-up and drop-off of supplies and transporting equipment between buildings, as well as a 1997 Ford 450 light duty truck used for delivery of materials to recycling facilities and donated goods to charity. The van uses CNG, while the truck is gasoline powered.

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DEPARTMENT CONTACT INFORMATION

Lead Staff Member and Departmental Climate Liaison

John T. Noguchi

Director, Convention Facilities Department

Moscone Center Administration

747 Howard Street, 5th Floor

San Francisco, CA 94013

415-974-4027 (direct)

415-978-5913 (fax)

John.noguchi@sfgov.org

3. DEPARTMENT CARBON FOOTPRINT

The Department has reviewed the information contained in the Department's Google Docs carbon footprint spreadsheet: the list of facilities and the list of vehicles are correct; the energy and fuel consumption data is complete. With the assistance of the Department of the Environment, these verifications were made possible by key managers at the Moscone Center: the Chief Engineer reviewed all the financial data available on energy use and this matched with PUC data in the Google Doc; the Director of Finance provided complete water records that were used by the Department of the Environment to fill in the Google Doc; the Director of Purchasing provided financial and other data on fuel consumption.

3a. FACILITIES – ENERGY AND WATER USE & REDUCTION MEASURES

FACILITIES VERIFICATION

The list of facilities that is being used by the Department of the Environment to calculate the FY10-11 departmental carbon footprint has been reviewed by the Department. One correction needs to be made to the list. The Bill Graham Civic Auditorium/Brooks Hall complex is now under the Real Estate Department. As such, this report reflects data only for Moscone Center South, Moscone Center North and Moscone Center West.

FISCAL YEAR 2010-2011 CARBON FOOTPRINT FROM CONSUMPTION OF ELECTRICITY, NATURAL GAS AND STEAM

In FY10-11, the Department's total energy consumption from electricity, natural gas and steam resulted in the emission of approximately 3,153.26 metric tons of carbon dioxide equivalent (CO₂e). The total cost incurred by the department for energy use was \$2,123,001.24. The following is a breakdown by energy source:

- **Electricity:** The Department consumed 25,106,174 kilowatt hours (kWhs) of electricity which resulted in the emission of approximately 370.70 metric tons of CO₂e. The annual cost of electricity incurred by the Department was \$1,375,011.85.

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- **Natural Gas:** The Department consumed 20,742 therms of natural gas which resulted in the emission of approximately 110.34 metric tons of CO₂e. The annual cost of natural gas incurred by the department was \$19,158.31.

- **Steam:** The Department consumed 27,979,100 pounds of steam which resulted in the emission of approximately 2,672.22 metric tons of CO₂e. The annual cost of steam incurred by the Department was \$728,831.08.

The tables below show the energy consumption, cost, and greenhouse gas emissions for the department as a whole for the Moscone Center.

Annual CFD Energy Use - Moscone Center

	Energy		
	Consumption	Cost	CO ₂ E (tonnes)
Electricity (kWh)	25,106,174	\$1,375,011.85	370.7000
NG (Therms)	20,742	\$19,158.31	110.3400
Steam (Lbs)	27,979,100	\$728,831.08	2,672.2200
Totals	53,106,016	\$2,123,001.24	3,153.2600

ENERGY EFFICIENCY AND CONSERVATION

The Department has oversight of four energy efficiency retrofit projects at the Moscone Center:

- Combining Chiller Plants to a single chilled water loop
- Adding (71) VFDs
- Installing motion sensors in all meeting rooms
- Installing air curtains at (8) entry ways

The Department is also managing these additional energy efficiency and conservation projects or measures:

- Moscone Center Energy Study – Phase III Deliverables: commissioned by the Tourism Improvement District (TID) in August of 2010. The project consists of four phases:
 - Phase i: an existing building and energy conditions assessment

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- Phase II: conduct an Energy Efficiency workshop with experts in the field of energy efficiency, design and construction. 18 attendees participated from the industry and resulted in over 35 project ideas

- Phase II: develop an eQuest whole building energy model and modeling each of the projects determined to be implementable

- Phase IV: develop a cost estimate for each project and a financial analysis for the estimated payback period. Completion of the Energy Study occurred on 1/31/11 with a final report to the TID and SMG (the City's contracted operator of the Moscone Center). Ongoing meetings are underway between the City and SFPUC regarding financing and implementation plans.

- PUC funding for Moscone Commissioning. The SFPUC has secured financing and a contractor to provide retro commissioning and new equipment commissioning of the Moscone Center. This project is currently being scoped and scheduled to align with the ongoing major renovation project.

- Real Time Data Monitoring Program: in conjunction with the Department of the Environment, a program is being developed and scoped to better assist the City and Moscone users with the ability to track energy usage by event at Moscone Center. The Department is working to install sub meters to identify consumption of the central plants, occupant usage and ancillary building usage. All of this data will not only inform the building and city management of consumption, but it will also identify opportunities for energy savings.

APPENDIX A: CFD FY 10-11 Climate Report – Moscone Center Energy Study PDF

APPENDIX B: CFD FY 10-11 Climate Report – Moscone Commissioning Plan PDF

GREEN BUILDING

The following is a LEED certification update for the Moscone Center, 747 Howard Street:

- Certification project has started for the LEED EBOM Certification of Moscone Convention Center. Currently, project is on target for Gold level certification in 2012. Initiatives under Certification Project include:
 - For Innovation Credits, Moscone \$55 million renovation is being treated as a LEED CI project. All documentation will be maintained and documented under this LEED ID credit.

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- All urinals and toilets have been retrofit to high-efficiency units. Aerators are also installed in sinks. This has resulted in a reduction of potable water of 30% greater than the baseline (1,120,000 gallons/year saved)
- Green survey is being developed to query baseline client desires for “greening” Moscone. Ongoing survey will be used to stay on top of market for meeting these needs
- Energy efficiency gains from renovation project result in high efficiency rating EUI for Moscone.

APPENDIX C: CFP FY 10-11 Climate Report – Moscone Center Sustainability Survey PDF

APPENDIX D: CFD FY 10-11 Climate Report – Moscone LEED Assessment PDF

APPENDIX E: CFD FY 10-11 Climate Report – Moscone LEED Feasibility Study

RENEWABLE ENERGY

The Convention Facilities Department is pleased to have partnered with the SFPUC to implement one of the largest public installations of photovoltaic panels in the country on the rooftops of the Moscone Center’s Esplanade Ballroom and South Upper Lobby. By increasing renewable energy capacity, the Department and the SFPUC are ensuring the City reduces its greenhouse gas emissions. The Moscone Center Solar System is one of the largest publicly-owned solar systems in the United States.

Moscone Center’s Solar Background: Installed and launched in March, 2004 by Mayor Gavin Newsom and officials from the San Francisco Public Utilities Commission, the photovoltaic system atop Moscone’s South Esplanade Ballroom and South lobby roof has attracted many visitors from around the world. The Moscone Center’s Solar Electric System is owned by the City and County of San Francisco through the Public Utilities Commission. The system’s installation was completed by Power Light Corporation of Berkeley, California. The two part project included both installation of the PV array and upgrading the exhibit hall with more energy efficient lighting fixtures.

The Moscone Center’s Solar Costs: The North and South exhibit hall lighting retrofit was completed in 2004 by SMG, the City’s contract operator of the Moscone Center. Total cost before incentives was \$8,142,068 and net cost after incentives was \$5,705,723. The payback time is estimated to be ten years for the joint solar and energy efficiency project at the Moscone Center.

The Moscone Center’s Solar Size & Scope: The solar array features 5,426 photovoltaic mobile panels, covering an area of 60,000 square feet atop both Moscone South’s lobby rooftop and its Esplanade Ballroom rooftop.

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All bulbs in the 27-plus foot high ceiling of five exhibit halls were replaced, covering an area larger than seven U.S. football fields. 5,000 ceiling bulbs were replaced, upgrading them from incandescent, T12 fluorescent and mercury vapor fixtures to more cool burning and energy efficient compact fluorescent lamps, T8 fluorescents and metal halide fixtures.

The Moscone Center's Solar System Savings: The annual energy savings of the lighting upgrade alone is 4.2 million kilowatt hours annually. The annual energy output of the Moscone Center solar system is 826,000 kilowatt hours per year. Together, the environmental impact of both the solar and lighting upgrade can be given as 1,933 tons of CO2 annually displaced.

Looking Ahead: While designing the existing facilities' comprehensive infrastructure improvement plan, as well as examining the feasibility of an expansion of the Moscone Center, the Department will ensure that all reasonable energy efficient measures will be incorporated.

APPENDIX F: CFD FY 10-11 Climate Report – Moscone Center's Solar Fact Sheet PDF

WATER EFFICIENCY AND CONSERVATION

The Department, in conjunction with the TID and SMG, the City's contracted operator of the Moscone Center, is responsible for this comprehensive water efficiency retrofit project at the Moscone Center.

- Project description: Install high efficiency toilets, urinals and low-flow aerators
- Estimated water savings: 1,120,000 (MGD)
- Project status: 50% complete. Remainder to be completed in 2012
- Water audit complete: Yes
- Construction Complete: 50%

The Department, in conjunction with the TID and SMG, the City's contracted operator of the Moscone Center, is responsible for these additional efforts to identify and/or implement water efficiency and conservation projects or measures at Moscone Center:

- A project has been identified to collect the water that is currently put into the sewer system from a de-watering process at Moscone Center. Currently, SMG de-waters excess ground water and rain water that goes directly to the sewer system. Potentially, this water could be captured and re-routed to the cooling towers and save a significant amount of City water. The PUC has concluded a study on the toxicity and viability of capturing and re-using this water.

APPENDIX G: FY 10-11 Climate Report - Report of SFWD De-Watering Prospects

APPENDIX H: FY 10-11 Climate Report - Groundwater Opportunities and Constraints

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3b. FLEET – FUEL USE & REDUCTION MEASURES

FLEET VERIFICATION

The Department maintains two service vehicles:

2004 Chevrolet Express 2500- Van

Current Mileage = 5,136

Fuel Type: Compressed Natural Gas (CNG)

1997 Ford F450 – Light Duty Truck

Current Mileage = 38,354

Fuel Type: Gasoline

The list vehicles and liquid fuel consumption values that are being used by SF Environment to calculate the FY1011 departmental carbon footprint has been verified to be accurate and complete.

FISCAL YEAR 2010-2011 CARBON FOOTPRINT FROM MOBILE CONSUMPTION OF FUELS

The Department GHG Emissions from Unleaded Gasoline: 389.30 gallons consumed; 3.43 metric tons of CO₂. The cost incurred by the Department was \$1,405.07. The Department also consumed 74.70 CNG; 0.46 metric tons of CO₂. The cost incurred by the Department was \$122.17.

REMOVAL OF VEHICLES TWELVE YEARS OLD OR OLDER

The Department has one light-duty truck (1997 Ford F450) that is currently older than twelve years and has a manufacturer's gross vehicle weight rating of 8,500 pounds or less. It is designed primarily for purposes of transporting material to recycling facilities and donated goods to charities. Central Shops advises the Department as to when its vehicles should be retired and what types of vehicles should be purchased for their intended uses. Routine maintenance is scheduled and performed by Central Shops. The Department will seek guidance from Central Shops on how best to ensure full compliance with Chapter 4 Ordinance 278-10 beginning no later than July 1, 2015. This includes their insight on the project cost, the potential challenges and potential successes of this program.

ALTERNATIVE FUELS, FLEET CONVERSION AND/OR REDUCTION

In 2005, the Department, in conjunction with Central Shops, exchanged a van used unleaded gasoline for a similar vehicle that runs on compressed natural gas (CNG). The program is now a successful part of the Department's daily operations.

The Department supports GSA-Fleet Management's efforts to consolidate vehicles and has done so as much as possible. The two vehicles the Department maintains are used constantly for daily operations and consolidating these vehicles with other departments is not possible. However, the Department exercises intelligent route planning and the most efficient routes, from both time and distance perspectives, are always planned beforehand.

In FY 2009-2010, all Department employees registered with the City Car Share Program and completed training. The Program has been utilized and is considered useful.

The Department does not have electric vehicles or charging stations at this time. However, the Department is interested in learning more about electric vehicles and charging station installations.

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EMPLOYEE EDUCATION

The Department's Climate Liaison will work to ensure that employees are educated on best practices listed in Chapter 4 of the Environment Code Healthy Air and Smog Prevention Ordinance and will review the additional information found in the San Francisco Bay Area Clean Fleets Toolkit at:

www.sfenvironment.org/downloads/library/clean_fleets_toolkit_greening_commercial_fleet.com

4. OTHER SUSTAINABLE PRACTICES

4a. ZERO WASTE

APPENDIX I: CFD FY 10-11 Climate Report – Moscone Center Waste Assessment Questionnaire PDF

APPENDIX J: CFD FY 10-11 Climate Report – City Hall Events Waste Assessment Questionnaire PDF

4b. EMPLOYEE COMMUTE

The Department's transportation survey ran January 4, 2011 – January 14, 2011 and participation was 100%. Both the Director of the Department and the Climate Liaison emailed the survey link to all employees. The survey was conducted online and no supplemental paper survey was needed or distributed. A summary of survey data is as follows:

- “Main Form of Transportation Usage Rates” included: a total of 62 trips made in total by Department employees; 28 trips on Public Transit, 45.2% of the total trips; 32 Drive Alone trips, 51.6% of the total trips. “Main Form of Transportation Used By Employees, By Day of Week” included: a total of 12 trips made by Department employees Monday – Friday with total total trips on Saturday and zero trips made on Sunday. The primary forms of transportation used by the Department's employees Monday – Sunday was “Drive Alone” followed by “Public Transit”.
- The Department is encouraged that more than 45% of employees are using Public Transportation; however our goal is to increase the percentage in the future years. Also, the Department intends to increase the number of employees that are taking Public Transportation while also participating in the Pre Tax Commute Benefits program. Although 2/3 consider driving less stressful and all stated they need to run errands before and after work, the Department will work to improve these numbers in future years.

Convention Facilities will continue to internally promote these alternative transportation incentives to its employees. The following three strategies worked best for the Department to regularly encourage employees to consider other forms of commute transportation:

- The Director and/or Climate Liaison forwards emails from the Clean Air and Transportation Program to all employees. To date, all employees have received, and will continue to receive, electronic notifications regarding the following:

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- The Commute benefits Program
 - The City Hall bike Room
 - The City Bicycle Fleet
 - Rideshare Matching Assistance
 - Emergency Ride Home Program
- Including material from the Clean Air and Transportation Program in new employee folders or by having employees attend DHR's New Employee Orientations
 - Posting flyers and promotional items from the Clean Air and Transportation Program in the Department's office at both City Hall and the Moscone Center.

In addition to the Department of the Environment's Clean Air and Transportation Program incentives, the Convention Facilities Department will continue to work on formally implementing ongoing flex time and compress work week strategies to promote alternative transportation.

Convention Facilities will formalize existing strategies via memoranda to employees as well as reviewing current fixed and fluid employee schedules and making adjustments wherever possible for the employee to meet the department's work demands.

APPENDIX K: CFD FY 10-11 Climate Report – Transportation Survey 2A and 2B PDF

APPENDIX L: CFD FY 10-11 Climate Report – Sample Department Outreach to Employees PDF

4c. GREEN PURCHASING

The Department's Buy Green Scorecard is fair 0.65 (out of 2.00).

APPENDIX M: CFD FY 10-11 Climate Report – Buy Green Scorecard PDF

4d. INFORMATION RECHNOLOGY

The Department is conserving energy through the following IT energy conservation measures:

- The Department's CCSF employees' computers are labeled with "energy conservation reminder – turn off when not in use". In conjunction with the City's contracted operator of the Moscone Center, the approximately 185 computers throughout all areas of the Moscone Center are similarly labeled.
- The Department's CCSF employee computers are automatically set to go into hibernation or standby mode after 20 minutes of inactivity. In conjunction with the City's contracted operator of the Moscone Center, the approximately 185 computers throughout all areas of the Moscone Center are configured.

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- Obsolete servers have been replaced or consolidated with new EPEAT Gold standard “blade servers”.

The Department’s employees receive ongoing internal communications reminding them as to the importance of these IT energy conservation measures.

In addition, the Department is currently facilitating additional communication and coordination between the IT Division of the City’s contracted operator of the Moscone Center and the City’s Department of Technology to further implement IT energy conservation best practices and programs at the Moscone Center.

4e. CARBON SEQUESTRATION/URBAN FOREST

The Department supports our urban forest by playing an active role in the landscaping of the Moscone complex, as well as our neighboring partners and tenants such as the Yerba Buena Gardens. In addition, the Department continues to provide leadership in the Yerba Buena Community Business District and has played an active role in the planting of new trees in the community.

The Department currently maintains the following inventory of trees:

- Moscone West Tree Species and Locations
 - 20 Tristania Laurina “Elegant” located on Minna Street
 - 6 Magnolia Grandiflora located on 4th Street
 - 8 Platanus Acerifolia Sycamores located on Howard Street (by 4th Street)
- Moscone Center by the Esplanade Area
 - 2 Ficus trees located on Howard Street by 3rd Street in front of the Esplanade Entrance were replaced by 2 dwarf Magnolia “Little Gems”
 - 11 Golden Rain Trees (3 each by the Esplanade Entrance and 8 located along 3rd Street)
- 3rd & Folsom
 - 1 Monterey Pine Tree on 3rd and Folsom Street
 - 3 Metrosideros Excelsa on 3rd and Folsom Street
 - 3 Redwood Trees

5. COMMUNITY WIDE IMPACT

OUTREACH AND EDUCATION

The Department continues to make every effort to provide outreach and education on sustainable practices at the Moscone Center in particular, and on sustainability in San Francisco in general, to our clients, our community and visitors from around the world. Examples of this commitment include:

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- The Department, in conjunction with the City's contracted operator of the Moscone Center, continues to promote and distribute the following sustainability documents on <http://www.moscone.com/community/sustain.html> and through direct mail upon request:
 - APPENDIX N: CFP FY 10-11 Climate Report – Moscone Center's "Meeting Professionals Green Guide" PDF, which includes the videos "Solar System", "Compostable Serveware", "Green Angels", "NASFT (Fancy Food Show) Donation"
 - APPENDIX O: CFD FY 10-11 Climate Report – Moscone Center's "Exhibitors Green Guide" PDF, which includes the videos "Intro to Recycling", "Donation", "Compostable Serveware", "Recycled Materials", "Solar System", "Lighting Retrofit", "Green Cleaning"
 - APPENDIX P: CFD FY 10-11 Climate Report – Moscone Center's "Current Newsletter" PDF which includes the videos "Green Angels Help Your Recycling" and "Donations"
- The Department, in conjunction with the San Francisco Travel Association, continues to promote and distribute the following sustainability documents on <http://www.onlyinsanfrancisco.com/green> and through direct mail upon request
 - APPENDIX Q: CFD FY 10-11 Climate Report – San Francisco Travel Association's "Green SF" PDF

COMMITMENT TO SUSTAINABILITY IN THE YERBA BUENA COMMUNITY

In addition to education and outreach, the Department continues to be a leader in the commitment to sustainability in the community by playing an active role in the Yerba Buena Community Benefit District (YBCBD). Substantial staff time has been spent in board and committee meetings, neighborhood walk-thrus and community gathers designed to gather feedback and build consensus.

The Yerba Buena Community Benefit District continues to advance the quality of life for residents and visitors in the Yerba Buena Neighborhood and San Francisco on an ongoing basis by fostering a safer and more secure community, enhancing environmental quality and beauty, and reinforcing the vitality of our economic base.

The mission of the YBCBD, and the charge of the organization's Board of Directors, are first and foremost to improve the quality of life in the Yerba Buena neighborhood. The goals of the YBCBD as they relate to preserving and protecting our environment include:

- Improve safety and security in the Yerba Buena neighborhood
- Increase cleanliness and expand the beauty of the Yerba Buena Gardens with greening activities throughout the Yerba Buena neighborhood
- Create an ideal place to live, work, study and visit

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The Board of Directors has accomplished these goals through the numerous programs and services delivered by the YBCBD. Programs include the Clean Team, which provides regular sidewalk sweeping and steam cleaning, graffiti and sticker removal, topping-off overflowing trashcans and maintaining a general level of cleanliness throughout the district. The YBCBD Community Guide program gives residents and visitors an extra set of eyes and ears on the street to spot and take care of cleaning issues, safety concerns, way-finding, and provide general assistance to anyone who needs it. The Clean Team and Community Guides are contracted through MJM Management Group, which adheres to environmentally sustainable policies and practices in their product and equipment selection and use and employee training programs.

The YBCBD Streets & Public Spaces Committee is charged with enhancing environmental quality in Yerba Buena through beautification, public programming and other streetscape improvements that encourage people to experience and explore the neighborhood. The Committee has developed a number of programs and initiatives that will positively impact the environment in Yerba Buena:

- The Yerba Buena Community Design Initiative (YBCDI) is a community based initiative to develop a public space place for Yerba Buena that addresses the area's major street and public space issues. The key project areas in the plan in clued initiatives to promote sustainability through storm water management and energy conservation, promote walking, biking and transit, make new social spaces, improve sidewalks for street life and improve alleyways. The YBCDI plan is driven by a series of community meetings.
- Carbon sequestration/urban forest: Another area where the Streets & Public Space Committee is enhancing the environment in Yerba Buena is carbon sequestration/urban forest. So far, the Streets & Public Space Committee, in collaboration with Friends of the Urban Forest, has planted 17 trees in the neighborhood on the north side of Minna Street, between 4th and 5th Streets on the backside of the 5th and Mission Garage. The Committee has allocated funds for the planting of up to 30 trees in the neighborhood.
- Installation of mobile gardens, or "mobile parklets": The Committee is exploring opportunities throughout the neighborhood – essentially modified dumpsters planted with flowers and plants that live on the street in parking spaces. The mobile parklets are designed to bring natural beauty and greenery to the street in a new and innovative way. The Streets & Public Spaces Committee plans to install 6 mobile parklets in the neighborhood which could be moved throughout the neighborhood monthly.
- Installation of dog bag dispensers throughout the neighborhood to reduce animal waste on the sidewalks.
- Neighborhood cleanup days: These half-day sessions encourage neighborhood residents to come out on a weekend to meet their neighbors and help keep their neighborhood clean. The

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volunteers will partner with our Clean Team to do tree planting and maintenance, graffiti removal, trash removal, or other activities to help improve the quality of the neighborhood. All cleaning activities will be conducted in accordance with MJM Management Group's environmental policies and practices.

APPENDIX R: CFD FY 10-11 Climate Report – YBCBD Community Design Initiative PDF