

Asian Art Museum's Climate Action Plan FY10-11

Erik Cline, Manager of Facilities and Operations
5/05/2012

Table of Contents

Introduction	pg. 3
Departmental Profile	pg. 3
Departmental Carbon Footprint & Historical Analysis	pg. 5
Other Sustainable Practices	pg. 6
Waste Assessment Questionnaire	pg. 9

INTRODUCTION

The Asian Art Museum's (AAM) carbon footprint includes the consumption of energy at one facility, located at 200 Larkin St. in San Francisco's historic Civic Center neighborhood. The museum's energy use is comprised of electricity, natural gas and a minuscule amount of petrol from one light duty truck. A synopsis of energy use and consumption follows in Section 3, pg. 5.

The AAM's overarching climate goals include adding less toxic and wasteful office supplies and cleaners to the museum's purchasing portfolio, and folding sound environmental practice into the museum's ongoing information technology audit, to ensure the least possible paper waste, electricity, and printer ink use.

DEPARTMENTAL PROFILE

Departmental Mission

Our mission is to lead a diverse global audience in discovering the unique material, aesthetic, and intellectual achievements of Asian art and culture.

Departmental Budget

\$7.2M (CCSF funding)

Number of Employees

186 total, split between CCSF and Asian Art Museum Foundation, with Full-Time, Part-time, and As-Needed staff:

CCSF:

Part-Time	34
As-Needed	15
Full-Time	22

Asian Art Museum Foundation:

Part-Time	15
As-Needed	25
Full-Time	75

ALL:

Part-Time	49
As-Needed	40
Full-Time	97

Facilities Occupied

One building is currently occupied as an art museum. All operations within the facility support the public viewing of the largest collection of asian art in the western hemisphere. Operations include art conservation, exhibit construction, facility rentals (private events), public relations and marketing, fundraising, accounts receivable/payable, and physical plant operations.

Vehicle Fleet

The Asian Art Museum uses one 1998 Ford F-150 4x4, maintained by Central Shops. This truck is used primarily for transporting equipment and supplies from vendors to the museum, and is located on the premises.

Climate Liaison Contact Information

Erik Cline
Manager, Facilities and Operations
415.581.3592
ecline@asianart.org

DEPARTMENTAL CARBON FOOTPRINT & HISTORICAL ANALYSIS

Facilities & Reduction Measures

The list of facilities that is being used by SF Environment to calculate the FY1011 departmental carbon footprint has been verified by the Asian Art Museum to be accurate and complete.

Energy

summary of the AAM's energy use during FY1011 is as follows:

Electricity:	6,556,765.00kWh
Natural Gas:	159,880.00th
Water:	3,458,004.00gal
Wastewater discharge:	2,237,043.60gal
Petrol:	58gal

A summary of the AAM's resultant carbon emissions (mt) during FY1011 is as follows:

Electricity:	96.81
Natural Gas:	850.50
Gasoline:	0.51
Total Facility CO2e:	947.82

There are currently no energy efficiency retrofit projects planned for the AAM. In FY1112, the the public and staff restrooms have been retrofitted with lower-profile faucets to reduce waste water splashed onto adjacent countertops. This also reduces paper towel waste used to clean up. There are no estimates for the amount of wastewater or paper towel waste this measure saves.

Water

The AAM's FY1011 water consumption: 3,458,004.00 gallons

Fuel

The AAM's CHG emissions from unleaded petrol: 58 gallons consumed, .51 metric tons of CO2 emitted.

Fleet

The AAM's one vehicle, a 1998 Ford F150 light duty truck, does not comprise a fleet. The AAM promotes transit-first by participating in a commuter checks program, providing indoor parking for bicycles, and providing a bike maintenance clinic on Bike to Work Day. The museum's location on the edge of a high-crime neighborhood, lack of parking, and

close proximity to BART and MUNI trains and bus lines serve as further encouragement for staff to seek transit-first transportation options.

Historical Analysis

The AAM's consumption of electricity per kilowatt hour has remained relatively flat over the past three fiscal years. The consumption of natural gas, the largest contributor to the museum's carbon footprint, has fluctuated by over 10%, reaching a high of 6,556,765.00th during FY1011. As no other systems or procedures relating to natural gas use were implemented during this time, it is unknown what caused the fluctuation in natural gas use. The museum's water use has actually declined over the past three fiscal years. This may be due to the implementation of a drip irrigation system, and reduced watering along the facility's south side facing Fulton St.

OTHER SUSTAINABLE PRACTICES

Zero Waste

The FY1011 Waste Assessment Questionnaire is attached at the end of this report.

Zero Waste Commitments for 2012:

- Promote commingled recycling and composting in a clearer and more direct way to staff
- The museum is currently undergoing a broad spectrum technology assessment. Work with IT and outside service providers to make sure the museum can utilize MFDs, dual-sided printing as much as possible.
- Explore use of PVC-free office supplies through our vendor, Staples.

Transportation Options

For the AAM Foundation we have 54 participants. Commuter benefits information is given to all new hires as part of benefits orientation, we encourage participation as those who take transit can take home more money when they use pre-tax dollars, we send around email reminders from time to time, and post information from time to time. We also answer countless questions about the program and allow changes up to 1x per month which leads to much higher participation. We also offer every Foundation employee the opportunity to participate regardless of ASN/PT/FT status.

For CCSF, we typically have about 10 participants (this is a December 2011 number). The number has diminished due to the change of vendor and the limited ability to use it without a computer; most of our CCSF employees are not computer users, such as museum security guards. I also am the point person and help many users troubleshoot and work with Dept of Environment as needed to fix problems. Accessibility and advanced timing serve as hurdles with the program.

We promote Bike to Work Day, and provide indoor bicycle parking. We also have a note in our employee handbook that we encourage the use of alternative commute methods.

We do not allow pre-tax for "parking" as we don't want to encourage driving to work and we try to mirror City programs as closely as possible to not create disparity between the two employee groups. We forward to City employees and post notices from the Department of Environment.

Information Technology

The AAM was recently able to replace an aging fleet of desktop machines with a network of thin client virtualized machines. Most staff received these units as upgrades over their previous desktop machines. While requiring less power and desktop space, we have not labeled them or provided instructions to staff to "shut down" and close of business, as this results in individual user accounts having to be re-set at beginning of business each day. We have instructed staff to log out at close of business. Commitments for 2012 will include instructing staff to power down their monitors at close of business.