



CITY AND COUNTY OF SAN FRANCISCO
COMMISSION ON THE ENVIRONMENT DIRECTOR'S REPORT
October 10, 2017

This report covers San Francisco Department of the Environment updates for the period of July 1 – August 31, 2017. Glossary of acronyms at bottom of report.

Residential Programs

- TOXICS REDUCTION: Recruited two additional Certified Used Oil Collection Centers where residents can drop off used motor oil and filters for recycling in the Ingleside and West Portal neighborhoods.
- TOXICS REDUCTION: Submitted 2016-2017 Annual Report to CalRecycle on San Francisco's program for used motor oil and filter recycling.
- TOXICS REDUCTION: Tabled at Sunday Streets in Western Addition, Presidio YMCA Health Fair, Community Clean Team event for District 7, and Community Clean Team event for District 8 regarding Household Hazardous Waste (HHW) disposal and Healthy Homes practices.
- TOXICS REDUCTION: Recruited Glen Park Hardware as a new retail "Take-Back" partner, collecting both household batteries and fluorescent lights from SF residents.
- SCHOOL ED: Gave 28 assemblies, presentations, and trainings to 4328 students at 14 schools.
- ZERO WASTE: Started citywide rollout in Sunset of allowing additional materials in recycling, shrinking trash bins, growing recycling bins, relabeling all bins and providing outreach. Completed rollout and provided outreach with Environment Now to all units at Treasure Island. Conducted 11 site visits at apartment buildings that were out of compliance with the mandatory recycling and composting ordinance; 2 added recycling, 6 added composting and 3 were made SFE compliant. Sent 40 contamination warning letters to apartment buildings and working with 10 sites. Improved source separation at 26 additional apartment buildings. Worked with Waste Experts to create Zero Waste Facilitator case study.
- TRANSPORTATION: Launched marketing campaign targeting new residents in San Francisco that encourages walking, biking and transit use over personal vehicles.
- OUTREACH: Led the effort to redesign the Safe Routes to School (SRTS) website, working with the Department of Public Health and other community partners in the Safe Routes to School (SRTS) partnership.
- ENERGY: Staff kicked off a CEC grant, the *Electric Vehicle Charging Service in Multi-Unit Dwellings (MUD) Feasibility Analysis*. About 70 percent of San Francisco residents live in MUDs. This work will identify opportunities for increasing EV adoption in the City through strategic deployment of charging infrastructure to support MUD residents.

- OUTREACH: Participated in 12 events--health fairs, Sunday Streets, Community Clean Sweeps, presentations, and other community engagement activities. Highlights include:
 - Toxics worked on myriad events engaging residents on Healthy Home practices
 - Energy partnered with SFPL Greenstacks program on EV presentation at Sunset Library
 - Energy partnered with SFPL Greenstacks and SFPUC to host screening of "from the Ashes" and enroll residents in SuperGreen.
 - Toxics and Community Relations worked with Surfriders and volunteers on several neighborhood-wide installations of cigarette butt containers

Commercial Programs

- GREEN BUSINESS PROGRAM: Launched the 6 month Tiered Certification Pilot to reward Green Businesses who go above and beyond the requirements to join the program. Currently have 6 businesses signed up for the pilot program.
- GREEN BUSINESS PROGRAM: 21 Green Business have been recognized, bringing the total to 266 Green Business.
- TOXICS REDUCTION: There are now 42 recognized Healthy Nail Salons in San Francisco and 12 in process, out of a total of approximately 250 nail salons in San Francisco. To date, approximately 470 nail salon technicians have been trained. Six nail salons have signed up for a microloan working with Bay Area non-profit lenders and the California Healthy Nail Salon Collaborative from a grant they received from the Environmental Protection Agency. Our goal was to have five salons sign up for the microloan helping them become healthier nail salons.
- TOXICS REDUCTION: 55 furniture retailers in San Francisco have now pledged to sell furniture that is free of chemical flame retardants, out of approximately 200 furniture retailers in the City. There are a total of 231 furniture retailers in California who have pledged to sell furniture that is free of chemical flame retardants.
- GREEN BUILDING/CLIMATE: Staff assisted the San Francisco 2030 District in hosting the annual North American 2030 Districts Summit on 8/30-8/31. Approximately 40 representatives from 17 established and emerging districts from around the country attended for group learning, networking and to share best practices in green building. SF 2030 now at 46 enrolled buildings at 16 million square feet with 16 public, private, institutional, and nonprofit building owners supporting the effort.
- ZERO WASTE: Processed 7 demolition debris recovery plans (D1, D6, D8, D11) resulting in 1,372 tons of material recovered at an average rate of 85%. Improved participation and reduced disposal at Good Eggs, Uber and Presidio Trust. Revamped and improved separation at the California Employment Development Department San Francisco office, including multiple trainings to more than 100 staff. Provided technical assistance at 9 other medium commercial accounts to right size service and improve source separation. Worked with 48 small commercial accounts to improve source separation.
- ENERGY: Staff collaborated with Mayor's Office and the Port of San Francisco to convene the Bay Area's water transit operators in an effort to advance the use of renewable diesel in their marine fleets. In addition to the water transit operators, representatives from renewable diesel fuel providers, engine manufacturers, technical experts, and other fuel users were in attendance. Some of the entities represented at the convening included the National Park

Service, the U.S. Coast Guard, CARB, NREL, USDOT, USEPA, and the CEC. The goal of the meeting was to determine how we can get the water transit operators to commit to adopting renewable diesel by January 2018.

- ENERGY: Staff participated in a CPUC workshop on the state's investor-owned utilities' priority review proposals for transportation electrification investments. Staff is tracking PG&E's proposals which has requested approval to allocate a total of \$252 million dollars for medium and heavy duty fleet demonstrations, electric school bus and renewable energy integration pilot projects, residential EV charging outreach and other transportation electrification related projects.
- ENERGY: The SFEW program met with BAAQMD management to present on the Comprehensive Refrigeration Maintenance pilot project. Staff discussed potential BAAQMD collaboration as the Air District is seeking opportunities to monitor and reduce high global warming potential refrigerants.
- ENERGY: SFEW staff attended the Business Mixer Calle 24 and Lower Haight Merchant Association meetings to provide a presentation on SFEW program offerings including the Microloan. Staff also presented updates to the BOMA Energy and Environment committee meeting and promoted the programs Comprehensive Refrigeration Maintenance pilot.
- ENERGY: Staff sent final ECBO violation notices to property owners; 2016 benchmarking is currently at 64% compliance out of 1,650 buildings and 75% compliance based on subject square footage. (Average compliance is 71% of buildings and 80% square footage).

City Department Programs

- TOXICS REDUCTION: Green Purchasing Program organized two green cleaning trainings in early July. 130 City custodians and custodial supervisors trained.
- TOXICS REDUCTION: Urban Forestry draft report completed and submitted to Urban Forestry Council.
- TOXICS REDUCTION: Held meeting of City stakeholders to finalize new environmental specifications for carpet.
- GREEN BUILDING: There is one new LEED certification this reporting period: the War Memorial Veterans Building (277,500 sf), which is now LEED Gold certified. To date there are 54 municipal buildings in San Francisco that are LEED certified totaling more than 7.5 million square feet.
- GREEN BUILDING: The Municipal Green Building Task Force recommended two green building requirements waiver requests for approval: SFPD Police Academy Renovation; and Assessor-Recorder Office Improvements.
- BIODIVERSITY: Leading up to August 15, the Department trained staff from Rec and Park, the PUC, the Airport and Public Works, and then initiated a three-month pilot program, during which the departments use the San Francisco Plant Finder to design their plant palettes for their fall projects.
- BIODIVERSITY: The Department worked with the Treasure Island Development Authority and Treasure Island Community Development to produce a comprehensive list of future habitat

restoration projects to be used for collaborative natural resources and ecological restoration planning on Yerba Buena Island for the next several years.

- BIODIVERSITY: The Department completed an important two-year invasive species control project in sensitive oak woodland habitat on the west point of Yerba Buena Island.
- ZERO WASTE: Presented to 56 employees from DPH and SFE on zero waste.
- ENERGY: As part of the Department's USDOE Solar + Storage for Resiliency feasibility analysis grant, staff convened interdepartmental stakeholders to discuss potential funding options for implementation of solar + storage systems. As a next step, staff plans to update the Capital Planning Committee on project status. Additionally, staff is planning a local fire code and building official symposium on energy storage to inform stakeholders on market projections for storage and provide federal and state code updates required to accommodate deployment of battery energy storage in San Francisco.
- ENERGY/CLIMATE: Staff participated in a convening organized by SFO that engaged representatives from several major airlines, fuel providers, technical experts, and regulatory agencies to discuss the adoption of alternative jet fuels (AJF) at the airport. The goal of the meeting was to determine what the barriers are to adopting AJF at SFO, and how to eliminate those barriers.

New/Revised Legislation and/or City Hall activity

- TOXICS REDUCTION: On July 25, 2017 Supervisor Mark Farrell introduced an ordinance amending the Environment Code to ban the sale in San Francisco of upholstered furniture and certain juvenile products made with or containing added flame retardant chemicals. Staff drafted the ordinance language, conducted supporting research, convened stakeholder meetings, and provided support for many aspects of the ordinance process.
- ZERO WASTE: Assisted with creation and passage of SB 458 to provide CalRecycle flexibility to approve SF and other efforts to increase beverage container redemption convenience; unanimously passed to Governor. Submitted letters of support for AB 954 (food labeling guidelines) and AB 1158 (carpet stewardship reform); both passed to Governor. Signed onto group letter to state Budget Committee chairs for \$100 million Cap & Trade Expenditures administered by CalRecycle.
- GREEN BUILDING/CLIMATE: The Board of Supervisors Budget and Finance Committee meeting moved to approve (3) new residential PACE providers (E3, Figtree, and Ygrene); full Board approval expected in September.

Press and Media Highlights

- TOXICS REDUCTION: The [San Francisco Chronicle](#) announced the introduction of the Flame Retardant Chemicals in Upholstered furniture and Certain Juvenile Products ordinance.
- TOXICS REDUCTION: ABC covered the introduction of an ordinance to require certain grocers in San Francisco to report to the Department on their meat suppliers' antibiotics use practices.
- TOXICS REDUCTION: The [San Francisco Chronicle](#) announced the introduction of the Flame Retardant Chemicals in Upholstered furniture and Certain Juvenile Products ordinance.

- ZERO WASTE: The [Arizona Republic published a feature article highlighting](#) San Francisco's zero waste leadership and the benefits of making composting and recycling mandatory.
- ENERGY: [SF Examiner reported](#) on the Department's grant from the US Department of Energy to conduct a feasibility study about adding solar plus battery storage on City facilities for resiliency.
- TOXICS REDUCTION: The [SF Chronicle reported](#) on the hearing about the antibiotics in meat ordinance at the Board of Supervisors Public Safety and Neighborhood Services Committee

Staff Changes

- TOXICS REDUCTION: Kevin Lee was hired as the Green Business Associate; Taylor Flores was hired as the Green Business Fellow.
- TOXICS REDUCTION: Christopher Lester joined the Residential Toxics Reduction Team as a Special Waste Analyst. Christopher will be working on implementation of the Safe Drug Disposal Stewardship Ordinance and expanding HHW Outreach activities.
- ENVIRONMENTAL JUSTICE: The EJ Program was combined with the Climate and Systems Team.
- GREEN BUILDING: Eden Brukman was hired as the new Senior Green Building Coordinator.
- OUTREACH: Asia Meshack was hired as the new Senior Communications Specialist.
- OUTREACH/ENVIRONMENT NOW: Five new Environmental Outreach Aides were hired on the Environment Now team: Dani Menendez, Eddie Ashley III, David Gunnison-Wiseman, Richard San, and Nancy Hernandez.
- ENERGY: Lars Peters was hired as the new Senior Zero Emission Vehicle Advisor.

RFP's posted/ Outgoing Grants and Contracts Awarded (who/amount/ summary)

- TOXICS REDUCTION: Issued an RFP for Toxics Reduction and Hazardous Waste Technical Services Contract, which will close in October.
- ZERO WASTE: Completed the grant cycle by performing closing site visits with 5 Zero Waste grantees.

Public Events/Conferences (e.g., conferences attended, speaking engagements, travel for work, etc)

- TOXICS REDUCTION: Staff attended the Product Stewardship Forum in Boston, Massachusetts. Environmental experts from all around the world discussed national and global trends in the circular economy, recycling, product stewardship, and zero waste at this annual event.
- SCHOOL ED: Tabled at EPA Region 9-Bring Your Kid to Work Day, reaching 50 people.
- SCHOOL ED: Presented at SFUSD Student Nutrition Services Training, reaching 250 adults.
- SCHOOL ED: Tabled at SFUSD Summer Teacher Resource Fair, reaching 50 adults.

- ENVIRONMENT NOW: Tabled at the BMAGIC's Back Pack Giveaway event in the Bayview to promote Safe Routes To School.
- ENVIRONMENT NOW: Tabled at Chinatown Community Development Center's Chinatown Eco Fair. A youth-led climate change event for the Chinatown community. See more about the event here: <http://hoodline.com/2017/08/chinatown-youth-host-eco-fair-to-teach-residents-about-climate-change>
- CLIMATE/ENVIRONMENTAL JUSTICE/BIODIVERSITY: The Department helped plan and organize and then made significant contribution to a workshop at the Heron's Head Eco-Center that was convened to gather community and stakeholder feedback on a Blue Greenway/Bayview Hunter's Point Revegetation Guidebook.
- ZERO WASTE: Helped tour COE and accompanying public at Recology Recycle Central and Tunnel Ave. facilities. Presented on single use plastic prevention strategies and moderated Q&A at Smog of the Sea film showing in Berkeley. Moderated session and presented on mandatory composting and maximizing recovery of organics at California Resource Recovery Association conference in San Diego. Advised Ohio State and Emory University sustainability managers.
- CLIMATE: Attended UNLEASH Innovation Lab as part of City Delegation and participated as mentors, and judges to solutions proposed by global top talents around the Sustainable Development Goals.
- CLIMATE: Participated in C40's Bike multi-benefits project that assessed emission reductions and health benefits from bike related projects.
- COMMUNITY RELATIONS: The Department hosted 8 Delegation visits
 - Zero Waste: South Korea, Argentina, Thailand, and City of Atlanta.
 - Energy: Two from South Korea
 - Climate: Germany
 - General: South Korea
- ENERGY: SFEW staff presented at the Intersolar conference. The topic of the panel discussion was on energy efficiency and renewable energy opportunities to address energy consumption in the cannabis industry.
- ENERGY: Staff participated in the Carbon Neutral Cities Alliance annual meeting held in Sydney and Melbourne Australia. The City is one of twenty cities with membership in this organization. San Francisco works with these local government colleagues on project and policy solutions that lead to deep decarbonization.
- ENERGY: Staff attended a C40 workshop in Chicago to collaborate with other cities on using private building energy data to inform policy.

Other Noteworthy items (e.g., awards, milestones, open RFPs, outgoing grants, etc)

- TOXICS REDUCTION: The Department was awarded a \$29,903 grant from CalRecycle to organize and implement a one-time pilot collection event for expired aerial marine flares.

- **TOXICS REDUCTION:** Staff received the “Drug Take-Back Maven Award” from the Product Stewardship Institute for our work in implementing one of the nation’s first extended producer responsibility laws for pharmaceuticals and providing lessons learned to others in the field.
- **ENVIRONMENTAL JUSTICE/ ZERO WASTE:** Environmental Justice and Zero Waste program representatives, along with staff from multiple City agencies, have been participating in a training program led by the Government Alliance on Race and Equity (GARE). The Department will apply knowledge gained through this training and through collaboration with other City agencies to launch a Racial Equity Initiative for SFE.
- **ZERO WASTE:** Applied for and received City and County of San Francisco payment funds from CalRecycle to increase beverage container redemption convenience. Implemented mini-grant from Carbon Neutral Cities Alliance with Upstream Policy Institute and Clean Water Fund to research and develop a project concept to achieve climate action goals for waste prevention; did not pursue additional funding due to data gaps and uncertainties about creating useful GHG calculator.
- **CLIMATE:** Staff worked closely with C40, CDP, the Global Covenant of Mayors for Climate & Energy to bring together leaders in the areas of environmental data management, reporting and data driven policy making representing C40 member cities, private organisations, academia and progressive California cities to share knowledge on best practice climate data management and data driven policy, identify city data challenges and co-develop innovative and practical solutions.

GLOSSARY

ABAG: Association of Bay Area Governments

ACCO: Association of Climate Change Officers

AOA: Apartment Owners Association

BAAQMD: Bay Area Air Quality Management District

BOMA: Building Owners and Managers Association

BayREN: Bay Area Regional Energy Network

BC3: Business Council on Climate Change

C40: C40 Cities Climate Leadership Group

CAEECC: California Energy Efficiency Coordinating Committee

CAISO: California Independent Systems Operator

CalGreen: California State Green Building Code

CARB: California Air Resources Board

CEC: California Energy Commission

CNCA: Carbon Neutral Cities Alliance

CPUC: California Public Utilities Commission

DBI: SF Department of Building Inspection

DER: Distributed Energy Resources

DOE: U.S. Department of Energy

DPH: SF Public Health

ECBO: Existing Commercial Building Ordinance

EV: Electric Vehicle

FAA: Federal Aviation Administration

FCEV: Fuel Cell Electric Vehicles

GHG: Green House Gas
HOPE SF: Housing Opportunities for People Everywhere, San Francisco
ILG: Institute for Local Governments
IOU: Investor Owned Utility
IPM: Integrated Pest Management
HERO: Home Energy Renovation Opportunity
LEED: Leadership in Energy and Environmental Design Green Building Rating System
LGC: Local Government Commission
LGSEC: Local Government Sustainable Energy Coalition
NCRA: Northern California Recycling Association
PACE: Property Assessed Clean Energy
PEV: Plug-in Electric Vehicle
PV: Photovoltaic
RAD: Rental Assistance Demonstration
SFE: San Francisco Department of the Environment
SFEECC: SF Energy Efficiency Coordinating Committee
SFEW: SF Energy Watch
SFO: SF International Airport
SFMTA: SF Municipal Transportation Agency
SFPUC: SF Public Utilities Commission
SFPW: SF Public Works
SFSU: San Francisco State University
Title-24 2016: California Energy Code 2016 version
UCSF: University of California, San Francisco
UFC: Urban Forestry Council
USDN: Urban Sustainability Directors Network
USDOE: United States Department of Energy
USDOT: United States Department of Transportation
U.S. EPA: US Environmental Protection Agency
USF: University of San Francisco
USGBC: United States Green Building Council