



CITY AND COUNTY OF SAN FRANCISCO
COMMISSION ON THE ENVIRONMENT DIRECTOR'S REPORT
July 25, 2017

This report covers San Francisco Department of the Environment updates for the period of May 1 – June 30, 2017. Glossary of acronyms at bottom of report.

Residential Programs

- ENERGY: The BayREN multi-family energy efficiency program completed 236 upgrades to units across the City.
- TOXICS REDUCTION: Conducted Healthy Homes Toxics Reduction outreach at the Richmond Community Health Fair, the Community Clean Team event for District 5, the SF PublicWorks Earthquake Safety Fair, the SFSPCA Community Clinic in Bayview District, and the SFSPCA Community Clinic in Outer Mission.
- TOXICS REDUCTION: Conducted Healthy Homes Integrated Pest Management Trainings to 30 residents at three Rental Assistance Demonstration (RAD) Sites located at 25 Sanchez, 255 Woodside, and 939 Eddy.
- TOXICS REDUCTION: Recruited Samy's Camera as a new retail "Take-Back" partner, collecting household batteries from SF residents.
- SCHOOL ED: Gave 18 assemblies, presentations, and trainings to 756 students at 13 schools.
- ZERO WASTE: Assessed 1 apartment contamination charge. Assisted GlowCon with their zero waste event plan.
- ZERO WASTE: Launched new fantastic three recycling tool; www.sfrecycles.org
- ZERO WASTE: Finalized bin labels and posters for new recycling program

Commercial Programs

- TOXICS REDUCTION: There are now 38 recognized Healthy Nail Salons in San Francisco. five 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 to help them become healthier nail salons.
- TOXICS REDUCTION: 50 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.

- ENERGY: SFEW staff participated in a merchant walk in the Sunset with Supervisor Katy Tang's Legislative Aide and the Chinese speaking news Channel 26 which ran a story on the SFEW program.
- ENERGY: SFEW staff tabled at the SF Chamber of Commerce's Neighborhood Business Summit in District 5.
- ENERGY: Staff launched a Solar + Energy Storage sizing tool, SolarResilient.org. This first-of-its-kind, free tool allows building managers, architects and others to model solar and energy storage systems to address critical electrical loads in time of emergency or grid outage. Staff disseminated information and conducted tool demonstrations to hundreds of local, state and federal government representatives, non profit organizations, industry associations, and energy professionals via webinars, and in-person conference presentations.
- ENERGY: Staff attended a convening of the USEPA Region 9 West Coast Collaborative, a public-private partnership working to reduce vehicle diesel emissions and advance clean air technologies along the West Coast. The purpose of the meeting was to discuss partnership opportunities for emissions reduction projects via the 2018 Diesel Emissions Reduction Act program and pending grant opportunities.
- ZERO WASTE: Processed 8 demolition debris recovery plans (Districts 2, 6, 8 & 10) resulting in 7,730 tons of material recovered at an average rate of 86%. Imposed 30-day suspension on non-compliant registered debris facility. Worked with 404 small commercial accounts to improve source separation. Provided technical assistance at 12 medium commercial accounts to right size service and improve source separation. Met with Starbucks regional manager to review design of new front of house separation stations and discuss changes in San Francisco's programs. Worked with Holiday Inn, Archstone and Shorenstein on improving separation. Got agreement from Hilton to participate in case study regarding Toolworks. Toured Warriors at AT&T Park back of house sorting operation. Presented at DBI Public Advisory committee and met with permitting section to discuss plan review regarding adequate refuse space and chutes. Presented to New Resource Bank on zero waste programs and policies. Achieved full shift operation with rebuilt press for trash processing test diverting 10 tons per day of organic paste to anaerobic digestion at EBMUD.

City Department Programs

- ZERO WASTE: Submitted Resource Conservation Ordinance Annual Report to Board of Supervisors. Presented to 224 employees from DPH, Public Works, Human Services Agency, City Fellows, Rec & Park, SFO and SFE on zero waste. Conducted site visits at Glen Canyon, Palega, Crocker Amazon and Joseph Lee recreation centers, made recommendations for improvement, and rolled-out new recycling and composting bins, smaller trash bins and better signage. Converted SFMTA Potrero and Metro Muni East trash compactors to recycling, saving about 1,200 tons of material and \$24,000 annually.
- GREEN BUILDING: To date there are 53 municipal buildings in San Francisco that are LEED certified totaling more than 7.3 million square feet.

- GREEN BUILDING: The Municipal Green Building Task Force recommended one green building requirements waiver request for approval - SFPL Storage Facility at 750 Brannan - which was granted by Director Raphael.

New/Revised Legislation and/or City Hall activity

- TOXICS REDUCTION: On June 27, Supervisor Jeff Sheehy introduced an ordinance requiring grocers with more than 25 stores anywhere to report to SFE the antibiotics use practices of their meat and poultry suppliers. Staff assisted with draft ordinance language, conducted supporting research, created supporting documents and met with stakeholders.
- BIODIVERSITY: On May 23, the Commission on the Environment unanimously passed a resolution establishing five citywide biodiversity goals. The resolution also included nine strategies that guide the work of our Biodiversity and Healthy Ecosystems Programs to implement the five goals.
- ZERO WASTE: Presented to Board of Supervisors Public Safety and Neighborhood Services Committee on SFE efforts to prevent litter, including our waste prevention policies, recycling and composting programs, and education. Met with Supervisor Tang's office regarding possible zero waste event legislation. Participated in drafting, editing, and providing testimony and support for bottle bill expansion and improvement. Convened meetings of the 30 largest SF supermarkets, smaller beverage dealers, CA Grocers Association, CA Retailers Association, Small Business Commission, Arab Grocers, Council of District Merchants and recycling operators to address lack of beverage container redemption convenience. Drafted consortium formation agreements. Completed refuse rate process evolving generator and service provider incentives, and providing program and infrastructure funding, with new rates effective July 1, 2017.

Press and Media Highlights

- ZERO WASTE: The Department partnered with the San Francisco Marriott Marquis, Toolworks, Recology, and the Hotel Council on a press event highlighting the Marriott's zero waste leadership and their use of on-site zero waste facilitators.
- BIODIVERSITY: Director Raphael penned an [op-ed](#) on June 5th in the SF Examiner about World Environment Day and the importance of celebrating and protecting nature in the city.
- TOXICS REDUCTION: SF Examiner [covered the introduction of legislation](#) sponsored by Supervisor Jeff Sheehy that would require retailers to report to the Department of Environment about whether antibiotics are used in the meat they sell. Director Raphael and Guillermo Rodriguez were quoted.
- OUTREACH: Supervisor Katy Tang and Supervisor Sandra Lee Fewer [announced the launch of a six month pilot program](#) to clean-up cigarette butt litter in the Sunset and Richmond Districts. The Department is a partner on the project along with the Surfrider Foundation and Public Works.

Staff Changes

- TOXICS REDUCTION: Gordon Matassa was hired as Urban Forestry/Green Purchasing Assistant Coordinator in June to coordinate the Urban Forest Council and provide more staffing to the municipal green purchasing program.
- ENVIRONMENTAL JUSTICE: Anne Eng retired as Environmental Justice Program Manager. Sraddha Mehta and Raymond Manion will now report to Wendy Goodfriend, Climate and Systems Program Manager.
- ZERO WASTE: Keith Dews completed term as Residential Zero Waste Associate. Freddy Coronado was hired as new Residential Zero Waste Associate.

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

- ZERO WASTE: Recovered 5,862 tons of material through Zero Waste Grants in FY17, exceeding goal by 1,865 tons. Recommended 12 FY17-19 grants totaling \$837,000 for COE approval.

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

- ENERGY: San Francisco Clean Cities program co-sponsored the Alt Car Expo (held in Oakland) with the East Bay Clean Cities Coalition. Staff moderated a sustainability panel discussion. A panel on fleet technology included a presentation on the hydrogen station network, including San Francisco's three pending stations.
- ENERGY: As part of Small Business Week, the San Francisco Energy Watch program team participated in Flavors SF, and co-presented with PG&E at the conference.
- ENERGY: SFEW staff participate in multiple panel presentations, and a poster session at the Statewide Energy Efficiency Collaborative conference in Fresno, CA. Panel topics included a session on *Energy Efficiency and Adaptation: Coordination for Mutually Beneficial Outcomes*, and *Getting to Net-Zero Energy in Affordable Multifamily*. The poster session highlighted the Department's work on the Comprehensive Refrigeration Maintenance pilot project.
- ENERGY: Staff participated in the USDOE Solar Market Pathways Leadership Academy. Held in Sacramento, participation was a requirement of the Department's USDOE Solar + Storage for Resiliency grant project and enabled staff to provide valuable updates to local governments from across the country on the progress of our work to date.
- ENERGY: Staff presented on a panel at the Renewables 100 Policy Institute Conference on how the City is working to achieve its 80 x 50 GHG reductions goals through energy efficiency, renewable energy and zero emission vehicle policy and program development and implementation.
- ENERGY: Staff presented on three panel discussion at the USDOE Better Building Conference. Topics included how the City is planning for resiliency through Solar + Energy Storage, and how cities are pioneering strategies to achieve audacious energy goals.

- ENERGY: Staff represented the City at two high level policy meetings in Washington D.C., both organized by the Carbon Neutral Cities Alliance. The first was with the House of Representatives Sustainable Energy and the Environment Committee and the second with Senator Bernie Sanders. During both meetings staff shared how the city is reaching its energy goals through policy and program development and implementation.
- ENERGY: Staff presented at the Renewable Cities: Global Learning Forum on the Department's USDOE Solar + Energy Storage for Resiliency grant project.
- ENERGY: Staff was invited to present at a special convening of the USDOE Electricity Advisory Committee in Washington D.C. At this special session entitled *Securing the 21st Century Power Grid and the Role of Energy Storage*, staff shared the Department's work to date on the Solar + Energy Storage for Resiliency grant project, and shared San Francisco's strong interest in market transformation of battery energy storage technologies.
- ENERGY: Staff presented on a grant project that is developing a verified carbon standard for EV charging at the EV Roadmap conference in Portland. Through this project, staff is working to enable carbon credits to be generated from EV charging and sold in the voluntary carbon market.
- CLIMATE: Staff presented on the Department's USDOE Solar + Storage for Resiliency grant project at the National Adaptation Forum.
- SCHOOL ED: Tabled at McKinley Elementary School's Family Fun Triathlon Event, reaching 175 people.
- SCHOOL ED: Tabled at Sunset Elementary School's Environmental Fair, reaching 400 students.
- BIODIVERSITY: On June 5, in celebration of World Environment Day, SFE organized and convened an esteemed panel to talk about climate change, local biodiversity and connection to nature in San Francisco. The event was held at the Academy of Sciences and live-streamed on the Department's website.
- BIODIVERSITY: On May 5, the Department and the Treasure Island Development Authority co-hosted and led a habitat restoration volunteer event on Yerba Buena Island.
- BIODIVERSITY: On April 5, the Department led the first ever Yerba Buena Island Bio-blitz, bringing out dozens of volunteers to document the flora, fauna and fungi of Yerba Buena Island.
- ZERO WASTE: Presented to Pacific Environment staff to explain evolution and future of SF zero waste. Presented at City of Los Angeles Solid Waste Roundtable on SF ordinances. Presented on SF zero waste strategies at Global Alliance for Incinerator Alternatives US/Canada gatherings in Baltimore and Montevideo, Uruguay. Interviewed by KALW public radio on plastic bag reduction strategies. Represented SFE at Peter Goldman Award of Excellence event honoring Jo Licata of the Hilton for capturing 500,000 tons for reuse or recycling. Lectured at semester-concluding SFSU Geography of Garbage class.

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

- ZERO WASTE: Received \$3,500 mini-grant from Carbon Neutral Cities Alliance Innovation Fund to assess need and viability, with project partners Upstream Policy Institute and Clean Water Fund, of a larger proposal for a prototype tool to help cities assess GHG impact of policies to reduce disposables.
- ENERGY: Received a mini-grant from Carbon Neutral Cities Alliance Innovation Fund to develop a funding proposal with the cities of Seattle and New York on workforce development needs associated with electric vehicles and new mobility strategies.

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