



CITY AND COUNTY OF SAN FRANCISCO
COMMISSION ON THE ENVIRONMENT DIRECTOR'S REPORT
March 26, 2019

This report covers San Francisco Department of the Environment updates for the period of January 1, 2019 – February 28, 2019. Glossary of acronyms at bottom of report.

Residential Programs

- TOXICS REDUCTION/OUTREACH: Conducted a citywide survey of San Francisco's used motor oil do-it-yourselfer community to help better understand our target audience. The survey will be used to assist the Department to direct future outreach campaigns.

- COMMUNITY PARTNERSHIPS: While, this is a slower season for events, Department staff participated in 7 community engagement activities including tabling, presenting and engaging with the public at Fairs and Neighborhood Festivals. Highlights include:
 - o ENVIRONMENT NOW/SCHOOL ED/ENERGY: Tabled at the Neighborhood Empowerment Network awards ceremony
 - o ENVIRONMENT NOW/SCHOOL ED/ENERGY: Launched the new 0-80-100-Roots framework for tabling at the California Academy of Sciences Family Night. Reached 350 people.
 - o SCHOOL ED: Tabled at the SF Citywide Summer Resource Fair for parents seeking summer programs for their children. Reached 250 people.
 - o SCHOOL ED: Tabled at Betty Ong Rec Center for the Summer Resource Fair. Reached 15 people.
 - o ENVIRONMENT NOW/EDUCATION/ TOXICS REDUCTION: Staff members tabled at the Martin Luther King Jr. Health and Wellness Fair at the Yerba Buena Center on January 21, 2019.

- ZERO WASTE: Completed rollout of smaller trash and larger recycling bins to 80% of city, with 113,592 bins exchanged. Replaced stickers with Outreach on 204,460 residential and 141,243 apartment and commercial bins. Removed contamination charge at 2 apartment buildings. Increased recycling or composting, completed door to door outreach and/or reduced contamination at 8 other apartment buildings. Identified and Salesforce coded the over 350 affordable housing properties in San Francisco. Facilitated EcoSafe compostable bag pilot results to Recology. 130 apartment buildings are utilizing the compostable bags with dispenser system and 85% will reorder after pilot ends.

Commercial Programs

- **OUTREACH / TOXICS:** Outreach worked with Toxics to execute a social media series in the month of January highlighting the impact of the Flame Retardant Ordinance, which went into effect on January 1st. As part of the ongoing #FacesofSF series, the campaign featured various stakeholders who stand to benefit from the ordinance. Featured community members included a retired firefighter and cancer survivor; a maternal and fetal health specialist at UCSF; a mother; and a children's product business store owner.
- **TOXICS REDUCTION/ENVIRONMENT NOW:** There are 53 recognized Healthy Nail Salons in San Francisco and five in process, out of a total of approximately 250 nail salons in San Francisco. To date, approximately 540 nail salon technicians have been trained. The program goal is to recognize and maintain 55 salons in the program at any given time.
- **TOXICS REDUCTION:** Green Business Program recognized 100 businesses from March 1st, 2018 to Feb. 28th to meet the deliverables for a Cal EPA grant. This is the most businesses the Green Business Program has recognized in a one year period.
- **ZERO WASTE/OUTREACH:** Created outreach materials, including landing page, visual guides and mailed letter/FAQ to over 9000 commercial customers for the Single-Use Food Ware Plastics, Toxics and Litter Reduction Ordinance and over 400 large refuse generators for the Refuse Separation Ordinance (aka Zero Waste Facilitator ordinance).
- **ENERGY:** Continue to ensure that the BayREN Commercial Program, serving Small and Medium Businesses, remains on track to launch in April.
- **ENERGY:** Continuing to working with Mission Asset Fund to develop the expanded Microloan for Small Businesses to support BayREN Commercial program.
- **ENERGY:** On February 28th the Department hosted PG&E's Regional Local Government Partnership meeting. Together with PG&E, members from the region's Energy Watch partnerships presented their current program statuses and discussed plans for 2019 and beyond.
- **ZERO WASTE:** Reviewed and approved 8 demolition debris recovery plans (D1, 4, 8, & 10) resulting in 1,214 tons of material recovered at an average of 73%. Met with SFPW and received tentative commitment on implementing permit system for debris transporters. Worked with Outreach to create mailing, web information and other collateral for over 9,000 businesses on Single-Use Food Ware Plastics, Toxics and Litter Reduction Ordinance and over 400 large refuse generators for Refuse Separation Ordinance (aka Zero Waste Facilitator ordinance). Contacted 24 commercial accounts regarding compliance with AB 341 (mandatory recycling service) and assisted 5 in starting service. Provided technical assistance to 10 large commercial accounts to right-size service and improve source separation. Worked with Environment Now to improve source separation at 28 small commercial accounts.
- **GREEN BUILDING:** Completed multi-year project to create building specific EBO Scorecards and a live PowerBI San Francisco Existing Building Ordinance data visualization reporting tool.

City Department Programs

- OUTREACH (SCHOOL ED): Gave 42 Assemblies, Trainings, and Presentations to 37 Schools. Reached 3011 students and 15 staff members.
- BIODIVERSITY: Delivered presentation on Yerba Buena Island Ecology, Habitat Restoration and Stewardship to 100 Department of Labor Job Corps staff on Treasure Island campus.
- BIODIVERSITY: Installed a fourth local native plant demonstration garden at the ShipShape, the Treasure Island community center, working with One Treasure Island, Rubicon Landscaping and Treasure Island Development Authority.
- BIODIVERSITY: Convened environmental education workshop at the new site of the Literacy for Environmental Justice Native Plant Nursery on Treasure Island. Students and members from Life Learning Academy and Job Corps transplanted native plants and learned about island ecology.
- TOXICS/IPM: Co-organized annual IPM trainings February 26th and 27th for ~220 Recreation and Park Department gardeners.
- TOXICS/IPM: Held cross-department meeting to organize pilot test of a contraceptive product for controlling rodents, most likely at Pier 96 and Portsmouth Square.
- TOXICS/GREEN PURCHASING: Launched City Sustainable Purchasing Committee with first meeting on February 5th. Speaker was Matt Henigan, Deputy Secretary for Sustainability for California DGS/Governmental Operations.
- ZERO WASTE: Met with War Memorial operations staff on Refuse Separation Ordinance and improvements to zero waste programs. Presented on zero waste to 148 Laguna Honda Hospital, DPH, SF Environment staff and Zero Waste Coordinators. Met with Municipal Toxics Reduction team and Office of Contract Administration to discuss consultant recommendations on green purchasing. Participated in City Sustainable Purchasing Committee meeting.
- GREEN BUILDING: Municipal Green Building task Force meeting on January 9, 2019 attended by 30 people. Guest presenters were USGBC national and regional staff on the new LEED ZERO program and LEED v4.1 beta rating systems.
- GREEN BUILDING: Waiver Request was approved for SFO Passenger Boarding Bridges.
- CLIMATE/GREEN BUILDING: Hosted kick-off monthly meeting with Mayor's Office of Housing and Community Development designed to share key information about SFE initiatives with a focus on building efficiency/decarbonization efforts.
- CLIMATE/GREEN BUILDING: Helped to plan and hold a very successful Portsmouth Square Green Charrette with the Sustainable Chinatown Steering Committee.

- GREEN BUILDING: Presented BayREN Energy Targeting and Performance Verification tool upgrades that have been developed San Francisco Environmental Code Chapter 7 at BayREN Codes & Standards program annual kickoff. The updated tool is now available to help San Francisco agencies set an energy performance target and measure whether the target is met, and will be tested on municipal ZNE pilot projects in other jurisdictions with BayREN funding.

Citywide/Cross-Sector Programs or Initiatives

- ENERGY: On February 7th, Debbie convened the Mayor's EVWG and provided a detailed overview on the development of the "EV Roadmap," its strategic areas of focus and actions, and outlined the next steps. The "EV Roadmap" will be presented to the Mayor.
- ENERGY: The EV Team hosted EV 101 workshops at the Richmond Branch Library on January 9th and at the BC3 Full Council Meeting on February 20th. The Team also hosted a Hydrogen Fuel-cell workshop at the Bernal Heights Branch Library on January 30th.
- COMMUNITY PARTNERSHIPS coordinated 5 international delegations visits:
 - o Community Partnerships delivered its 6th annual presentation to State Department Humphries Fellows program, which brings NGO and municipal leaders from countries around the world to study in the US
 - o Community Partnerships hosted a Chinese delegation interested in the City's climate work
 - o Community Partnerships presented to municipal energy leaders from Seoul
 - o Community Partnerships/Zero Waste met with Japanese grantmakers on BMP's for environmental grantmaking.
- CLIMATE: Worked with Zero Waste to conduct research and prepare a briefing for USDN on Compost Sequestration benefits to city's GHG accounting.
- GREEN BUILDING: Co-hosted PACE update webinar with ABAG/BayREN and CSCDA on January 8th. Focused on changes in residential program market and new legislation.
- CLIMATE: Participated in CNCA's Climate Budget and Embodied Carbon Working Group launch conversations.
- CLIMATE/GREEN BUILDING: Commented on draft studies examining cost-effectiveness of energy requirements beyond California Title 24 2019 Energy Code - including electrification, efficiency, solar PV, and battery storage.
- CLIMATE/GREEN BUILDING: Received Radiant Labs' initial draft analytics for San Francisco, identifying which residential buildings have installed solar, replaced water heaters, etc since 2000- and estimating when those systems will need to be replaced. This is a key opportunity for decarbonization.

- CLIMATE/GREEN BUILDING: C40 agreed to continue analysis of portfolio-level trends in building-level energy use, using city benchmarking programs data from the US, Canada, Australia, Japan, and Singapore.

New/Revised Legislation and/or City Hall activity

- BIODIVERSITY: California Invasive Plant Council organized an advocacy day at the state capitol, where we lobbied the legislators to keep \$3 million in the budget for the statewide Weed Management Areas Program.
- TOXICS REDUCTION: Provided public comment regarding CA Safer Consumer Products Program, and to the Bureau of Household Goods & Services in support of eliminating a flammability standard.
- ZERO WASTE: Met with Supervisor Brown on possible plastic reduction strategies. Met with SFPW director and Recology on Tunnel Avenue modernization plans, and Mayor's office and SFMTA on transportation plans around facility. Toured Recycle Central after third recent upgrade to increase material recovery, product quality and efficiency. Recommended another upgrade to SFPW.
- CLIMATE: Supervisor Mandelman introduced a Climate Emergency Resolution and held a press conference prior to introduction.

Press and Media Highlights

- TOXICS REDUCTION: California State Department on Toxic Substances Control (DTSC) and California Environmental Protection Agency held a press conference at a certified San Francisco Healthy Nail Salon (New York Nails) on February 15th to announce that DTSC plans to list nail products containing the chemical toluene as a Priority Product under its Safer Consumer Products program. Pauli Ojea and Megan Kalsman from the Toxics Reduction team spoke at the event which had multiple media outlets covering the story.
- ZERO WASTE: Debbie was interviewed by CNN Travel in October 2018 for a story on San Francisco's goal of achieving zero waste. In late January, the [video](#) aired for more than a week in airports throughout the United States (think of all those TV screens as you wait in the terminal). The story brought national attention to the importance of recycling and composting and San Francisco's zero waste leadership.
- ZERO WASTE: Debbie was interviewed by the Washington Post and featured in a story published on February 13, 2019 titled "[In a world drowning in trash, these cities have slashed waste by 80 percent](#)" which highlighted San Francisco's zero waste leadership and progress in reducing waste to landfill.
- CLIMATE: San Francisco Supervisor Rafael Mandelman (District 8) held a press conference at City Hall on February 26th to announce introduction of a resolution declaring a climate emergency in San Francisco. Debbie spoke at the press conference, which was covered by SFGate, SF Examiner, KCBS, KOED, and Sing Tao. Commissioners Sullivan and Hoyos attended. The press conference was recorded and is available on [Youtube](#).

- ENERGY: On 01/17, the American Council for an Energy Efficient Economy (ACEEE) recognized the BayREN Multifamily Program as a “National Exemplary Energy Efficiency Program,” based on its innovative design, high-performance energy savings, and outstanding contribution to an energy efficient economy.

Staff Changes

- TOXICS REDUCTION: Coline McConnel and Adam Weber were hired as interns for the Toxics Reduction and Healthy Ecosystems Program hired interns. Andrew Lin was hired as an intern for the Healthy Nail Salon Program.
- ENERGY: Lowell Chu (formerly Senior Energy Efficiency Specialist) was hired as the new Interim Energy Program Manager.
- OUTREACH (SCHOOL ED): Tamar Hurwitz, 5642 School Education Manager/Senior Environmental Specialist, retired from the Department.
- ZERO WASTE: Daniella Menendez was hired as new City Government Zero Waste Assistant Coordinator.

Proposals submitted and grants and contracts awarded to the Department

- ENERGY: On 01/14, the Department submitted a proposal to PG&E’s “Request for Abstracts for 2020-2023 Energy Efficiency Programs.” The response reflects the Department strong commitment to serve our Small and Medium Businesses. The proposed program provides critical energy-efficiency services to facilities and sites serving the most vulnerable populations, such as the homeless and those that experience chronic food-insecurity, and local businesses, especially those that are located in our disadvantaged communities.
- COMMUNITY PARTNERSHIPS/ZERO WASTE submitted a proposal to Cal Recycles for \$500,000 to provide programming to reduce upstream waste among large generators such as hospital cafeterias. The bulk of funding will go to partnering organizations and consultants.
- ZERO WASTE: Submitted \$500,000 CalRecycle grant application with Cascadia Consulting to install software to track food purchases and increase donations from government, university and corporate cafeterias. Provided information to Japanese national grant making organization on best practices.

Requests for Proposals issues, Contracts and grants awarded from the Department

- As the lead agency of the BayREN Commercial Program, SFE worked with the Office of Contracts Administration to launch two “Request for Proposals” (RFP). One solicited a program implementer and the other solicited for up to two program “allies,” energy service companies to market and deliver energy-savings projects to the program. Both RFPs closed at the end of January and responses are being reviewed and scored by an independent review committee comprised of SFE staff and BayREN members.
- ZERO WASTE: Conducted site visits at zero waste grantee UCSF, where Toolworks has been successfully facilitating source separation at Mission Bay Housing (1,800 residents), and SFSU textile collection program.

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

- OUTREACH (SCHOOL ED): Staff members participated in mock interviews for high school students at Galileo and Mission High Schools through San Francisco Unified School Districts' Career Technical Education, Energy, Environment, and Utilities Pathway program. (Districts 2, 8)
- TOXICS REDUCTION: The Green Business Program held a Green Business Panel titled Healthy Homes, Healthy Workplace for Green Businesses and the public to identify ways to reduce toxics in the workplace and home. The speakers were Arlene Blum (Green Science Policy Institute), Chris Geiger (SFE), and Debra Baida (Liberated Spaces).
- COMMUNITY PARTNERSHIPS hosted a meeting in the EcoCenter of the Net Impact group
- COMMUNITY PARTNERSHIPS /SCHOOL ED participated in the Mayor's Opportunities for All youth outreach day.
- DIRECTOR/STAFF participated in the annual Celebration of Black American History
- DIRECTOR/COMMUNITY PARTNERSHIPS participated in the MLK Day Labor Breakfast (SFE was a sponsor of the event)
- DIRECTOR/COMMUNITY PARTNERSHIPS participated in the Sankofa by the Bay environmental justice climate weekend which featured the SFE series African American Environmental Champions (SFE was a sponsor of the event)
- COMMUNITY PARTNERSHIPS attended the CEC's EPIC (Electric Program Investment Charge) conference which highlighted various EPIC-funded projects
- COMMUNITY PARTNERSHIPS represented SFE as a judge at the City-wide Middle School Science Fair for the 8th year.
- COMMUNITY PARTNERSHIPS represented SFE at a faith-based forum on "Creating a New Climate Vision"
- COMMUNITY PARTNERSHIPS met with staff from the group EcoPeace, an organization representing environmental projects in Jordan, Palestine and Israel
- TOXICS/GREEN PURCHASING: Presented on San Francisco's pioneering purchasing requirements for carpet at the Healthier Flooring Information Exchange conference, organized by Green Science Policy Institute and attended by many of the country's major carpet and flooring manufacturers.
- TOXICS/GREEN PURCHASING: Presented as part of the Cities Panel at Carbon Disclosure Project Supply Chain Conference in Las Vegas.
- ZERO WASTE: Presented on San Francisco zero waste to more than 100 Scoop Technologies employees. Helped draft and testified at Berkeley City Council in support of a comprehensive Single Use Disposable Foodware and Litter Reduction Ordinance that was adopted and will require reusable foodware for on-site dining and 25 cent charge for single-use cups plus most

of the provisions in San Francisco foodware ordinance adopted last year. Participated in 2-day national Break Free from Plastics campaign strategy session. Participated in UN Regional Stakeholder Single-Use Plastics Strategies Consultation. Presented on panel sponsored by SPUR on Zero Waste in Design and Construction. Spoke with Menlo Park and Township of Langley, British Columbia on San Francisco zero waste. Conducted Sister City discussion with Kiel, Germany to share best practices on waste avoidance, plastic reduction and deposit systems. Received invitation to visit Kiel facilities. Presented on zero waste and climate action at 2 Seminars with over 150 participants in Sao Paulo and Ubatuba, Brasil. Met with Sao Paulo mayor's office, and zero waste and C40 staff. Met with Observatorio do Clima (Brasil's leading climate analysis NGO) and Imafloa (Brasil's leading certification and carbon reduction NGO), coordinated by Polis Institut. Toured Morada da Floresta composting bin production facility and large scale composting operation at a 10 story commercial highrise in Sao Paulo.

- GREEN BUILDING: Met with Auckland Council's Energy & Sustainability Specialist for Community Facilities (New Zealand) to discuss municipal green building initiatives, as well as EV's and C&D and debris recovery.
- CLIMATE: Presented on GCAS commitments and Focus 2030 Emissions Pathway Report to Directors Working Group (1/16/19) with Debbie.
- CLIMATE: Presented to the Controller's Office on the role City departments play in climate action and the Municipal Climate Program.
- CLIMATE: Attended C40/CNCA Peer Learning Workshop in Philadelphia on Climate Action Planning w/a Building Sector deep dive. Other cities included: Philadelphia, Houston, and Toronto.
- GREEN BUILDING/ZERO WASTE: Presented on Zero Waste for C&D (and intro to construction surplus) to General Contractor sustainability leaders and on Zero Waste for C&D at SPUR, 60 attendees.
- CLIMATE/GREEN BUILDING: Attended SB 1477 workshop convened by NRDC to orient stakeholders about issues and opportunities to comment on new rule making for 4 year, \$200 million program to incentivize very low carbon technologies in new and existing residential buildings, with a 30% carve out for affordable housing.
- CLIMATE/GREEN BUILDING: Participated in Bldg Decarb Coalition Summit on Local Governments Legal Authority Regarding Natural Gas.
- EQUITY/ENVIRONMENTAL JUSTICE: Presented to over 40 City employees on SFE's Racial Equity Initiative at Citywide Racial Equity Workgroup Meeting.

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
CPSC: California Product Stewardship Council
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
DOT: U.S. Department of Transportation
ECBO: Existing Commercial Building (energy benchmarking) Ordinance
EJ: Environmental Justice
EPA: U.S. Environmental Protection Agency
EV: Electric Vehicle
EVWG: Electric Vehicle Working Group
FAA: Federal Aviation Administration
FCEV: Fuel Cell Electric Vehicles
FUF: Friends of the Urban Forest
GARE: Government Alliance on Race and Equity
GHG: Green House Gas
HERO: Home Energy Renovation Opportunity HOPE SF: Housing Opportunities for People Everywhere, San Francisco
HHW: Household Hazardous Waste
ILG: Institute for Local Governments
IOU: Investor Owned Utility
IPM: Integrated Pest Management
kW: Kilowatt
kWh: Kilowatt hour
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
NREL: National Renewable Energy Laboratory
PACE: Property Assessed Clean Energy
PEV: Plug-in Electric Vehicle
PV: Photovoltaic
RAD: Rental Assistance Demonstration
SFEECC: SF Energy Efficiency Coordinating Committee
SFEW: SF Energy Watch
SFO: SF International Airport
SFMTA: SF Municipal Transportation Agency
SFPL: San Francisco Public Library
SFPUC: SF Public Utilities Commission
SFPW: SF Public Works
SFUSD: San Francisco Unified School District
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
ZNE: Zero net energy
ZW: Zero Waste