This report covers San Francisco Department of the Environment updates for the period of September 1, 2019 – October 31, 2019. Glossary of acronyms at bottom of report.

Residential Programs

- OUTREACH (SCHOOL ED): Gave 19 Assemblies, Trainings, and Presentations to 14 Schools. Reached 2507 students and 38 staff members.

- OUTREACH (SCHOOL ED): Held Teacher Workshop in partnership with the San Francisco Public Utilities Commission (SFPUC) presenting curriculum and field trip logistics. Reached 7 teachers.


- OUTREACH (SCHOOL ED): Sponsored a STEM focused Urban Agriculture Day at Alemany Farms in partnership with San Francisco Recreation and Parks and the UC Cooperative Extension. Reached 156 participants.

- OUTREACH (SCHOOL ED/COMMUNITY RELATIONS): Hosted SFUSD high school students from Abe Lincoln High School as part of the Green Academy Career Pathways Program. Reached 2 students.

- OUTREACH (SCHOOL ED): Tabled at San Francisco’s Recreation and Parks EcoCenter Playday Event at Heron’s Head Park. 136 participants.

- OUTREACH (SCHOOL ED): Participated in the Coastal Cleanup Day: Battle for the Bay Event as part of the Department. 3,011 participants within San Francisco.

- TOXICS REDUCTION: Tabled at Sunday Streets in Western Addition on Safer Cleaning practices, household hazardous waste and safe medicine disposal. Reached 40 attendees.

- TOXICS REDUCTION: Provided five Healthy Homes presentations at Richmond/Senator Senator Marks Library Branch and two Tenderloin Neighborhood Development Corporation residential sites. Reached 80 attendees.

- TOXICS REDUCTION: Tabled with Recology at Potrero Hill Street fair. Reached 70 attendees.
- **TOXICS REDUCTION**: Presented on the Safe Medicine Disposal Program at the Felton/Family Service Agency’s Senior Companion Program monthly meeting and the West Bay Filipino Multi-Service Center’s Senior Program meeting. Reached 40 attendees.

- **TOXICS REDUCTION & ZERO WASTE**: Tabled on Earthquake debris recycling potential and household hazardous waste disposal as part of emergency preparedness activities at the Loma Prieta 30th Anniversary Community Preparedness Fair at the Marina Green.

- **COMMUNITY RELATIONS** partnered with MTA staff to present on the City’s climate goals to Balboa High School students participating in a multi-disciplinary Science/Social Studies program.

- **COMMUNITY RELATIONS** was a guest lecturer in the SF State Sustainability program.

- **TOXICS REDUCTION**: Tabled at the Rec & Park Department and the Public Works Employee Health Fairs on Household Hazardous Waste and Safe Medicine Disposal. Reached 200 attendees.

**OUTREACH (CLEAN TRANSPORTATION)**: In honor of California Clean Air Day (CCA) on October 2nd, partnered with BayWheels to offer SF residents and CCSF employees a free first month of service with the bike share provider. Coinciding with CCA, SFE also hosted an Electric Cars 101 workshop, a Healthy Homes Workshop, and conducted school-based outreach for Walk & Roll to School Day.

- **OUTREACH/ZERO WASTE/EJ/TOXICS REDUCTION**: RESULTS of the multi-family (apartment) mailer: Sent a mailer to nearly 200,000 apartment units in SF to update residents on what goes where, given recent changes in our recycling system, while increasing awareness about the bulky item recycling and household hazardous waste pickup programs. To complement the resident mailer, we sent a letter to property managers reminding them of their responsibilities under the Mandatory Recycling and Composting ordinance and directed them to visit our property manager toolkit landing page for additional support and resources. The mailer and letter were extremely successful; the following results emerged from the post-campaign audience survey, as compared with the baseline pre-campaign survey:
  - 21% increase in residents’ awareness of where to find information about zero waste
  - 10% increase in composting frequency by residents (residents composting more frequently when compared with pre-survey data)
  - 24% increase in residents’ awareness of the Bulky Item Recycling (BIR) pick-up program
  - 35% increase in residents’ awareness of the HHW pick-up program
  - 300 new BIR pick-ups/week added by Recology to accommodate the 27% increase in demand for the program. Recology added these pick-ups on Saturdays and are paying their drivers time and a half.
  - 190% increase in visits to the property manager toolkit landing page

- **ENERGY**: The BayREN San Francisco Multifamily Team collaborated with the Mayor’s Office of Housing and Alameda County to produce and release the BayREN Multifamily Case-study Video. **Video Links**
  - Facebook: [https://www.facebook.com/BayRENSanFrancisco/videos/2658990014328629/](https://www.facebook.com/BayRENSanFrancisco/videos/2658990014328629/)
- **ENERGY:** The BayREN San Francisco Multifamily Team is on track to meet its program goal of renovating 1,300 units by December 16.

- **TOXICS REDUCTION:** Added three additional pharmacies to the Safe Needle Disposal Program in Districts 2, 5, and 6. There are now 74 drop-off locations for unwanted sharps available to residents through the Safe Needle Disposal Program.

- **ZERO WASTE:** Completed bin labeling and posters following behind smaller trash and bigger recycling rollout to residential customers. Produced, delivered, and began test servicing a limited number of 16-gallon composting bins to accounts requesting them.

- **OUTREACH/COMMUNITY RELATIONS:** On October 17 over 30 SFE Team members and Environment Commissioners participated in the Battle for the Bay clean-up event, which was coordinated to coincide with International Coastal Clean-Up Day. The SFE team kicked off the event with Mayor Breed and hundreds of other volunteers at Islais Creek Park and continued on to Heron’s Head Park to pick up litter and recyclable items that were discarded in the area.

- **OUTREACH (ENVIRONMENT NOW)** - On October 2, Environment Now participated in the first-ever Transit Day event at Lowell High School, organized by the Safe Routes to School (SRTS) partnership. Since this was the first event of its kind with a high school audience, the SFE team developed an electronic survey to learn more about high school students’ transportation habits, values and interest in sustainable modes of transportation. Students were given a reusable water bottle in exchange for their participation in the survey. Over 160 surveys were completed at this pilot event and because the event was such a success, the SFMTA and Safe Routes to School partners plan to replicate this approach and distribute surveys in the other high schools and middle schools throughout the SFUSD.

**Commercial Programs**

- **TOXICS REDUCTION:** SF Giants/Oracle Stadium signed up to certify as a Green Business and had a site-visit with Green Business staff.

- **TOXICS REDUCTION:** The Green Business Team partnered with the Golden Gate Restaurant Association to host an event at Manny’s called “Greening Your To-Go Ware.” The event featured an overview of the Single-Use Plastics, Litter and Toxics Reduction ordinance and a display of different types of foodware products (compostable, recyclable, and reusable) for attendees to peruse.

- **ZERO WASTE:** Reviewed and approved 19 Refuse Separation Compliance Ordinance audits (11 passed and sent notice & order to 8). Met with 2 Large Refuse Generators to review and approve their Refuse Separation Compliance Plans. Provided staff training at 3 Chipotles and improved source separation. Worked with EN to improve source separation at 33 small commercial accounts. Facilitated annual Program Update hosted by Recology with consultants and staff in attendance. Coordinated 3 zero waste trainings for over 100 office building tenants. Collaborated with Green Business to host Greening Your To-Go Ware event and presented to more than 20 businesses. Reviewed and approved 11 demolition debris recovery plans (D2, 3, 5, 6, 8 & 10) resulting in 6,053 tons of material recovered at an average of 88%. Participated in Fleet Week Full Scale Exercise as a member of the Interagency Debris...
Management Task Force to test city’s Disaster Debris Management Plan. Participated in 30th Anniversary Loma Prieta Resource Fair at Marina Green, hosted by Supervisor Stefani (D2), and engaged with over 100 residents and visitors, informing them of SFE’s role in coordinating recovery of disaster debris.

**City Department Programs**

- **TOXICS REDUCTION:** Integrated Pest Management Technical Advisory Committee (IPM-TAC) meeting September 12: Presentation and discussion on Marin County Parks IPM program by Kat Knecht.

- **TOXICS REDUCTION:** IPM TAC meeting September 12: Presentation and discussion on soilborne diseases in woody plants by Dr. Steven Swain, Univ. of California.

- **ZERO WASTE:** Presented municipal construction & demolition debris recovery requirements to 50 attendees at Pier 70 Waterfront Improvement Project pre-bid meeting. Provided overview of Single-Use Food Ware Plastics, Toxics and Litter Reduction Ordinance to city departments. Trained 223 Contract Monitoring Division, de Young Museum, Digital Services System, DPH and SFMTA staff on zero waste. Began converting Main Library to centralized refuse bins.

- **BIODIVERSITY:** Led students from the Life Learning Academy charter school on Treasure Island on a tour of biodiverse natural areas on Yerba Buena Island.

- **URBAN FORESTRY:** Urban Forestry Council approved at its October 22 meeting both the Annual Urban Forest Report and the new and improved 2019 Street Tree List.

**Citywide/Cross-Sector Programs or Initiatives**

- **ENERGY:** Nine electric vehicle charging equipment providers submitted project abstracts to the Department of the Environment, Rec & Park Department and the SFMTA. Each abstract describes how the respondent would build out EV charging infrastructure at up to 38 municipal parking garages and lots. Together, the three agencies will partner with the SFPUC to evaluate each abstract and determine next steps to get chargers installed.

- **ENERGY:** Continue to ensure that the BayREN Commercial Program, serving Small and Medium Businesses, is on track to meet its 2019 objectives and 2020 energy savings goals.

- **ENERGY:** Continue to work through the contract with Mission Asset Fund (MAF) to develop the expanded Microloan Program for small and micro-businesses in the Bay Area region.

- **ENERGY:** PG&E confirmed the budget, conditions and terms for 2020 SF Energy Watch extension. PG&E provided a 6-months extension with a slight decrease in staff budget. A local government partnership with PG&E since 2006, SF Energy Watch is tracking to meet its electricity-savings goal in 2019, and will continue to provide energy efficiency services to commercial and multifamily sectors for six months in 2020.

- **ENERGY:** On October 23, the California Public Utilities Commission mailed its proposed decision on “Frameworks for Energy Efficiency Regional Energy Networks and Market Transformation.” The proposed decision established that 1) Regional Energy Networks, such as BayREN, SoCal
REN and the Central Coast REN affirmed their status of Program Administrators of California ratepayer funds, 2) unlike the investor owned utilities, are not held to a cost-effectiveness requirement, 3) their original charters from 2012 are still relevant and sound, 4) are means for local governments to build energy efficiency capacity, and 5) new RENs are allowed to apply to become Program Administrators in the future.

- **COMMUNITY RELATIONS** is representing SFE on SFUSD’s committee to design comprehensive climate curriculum for district schools.

- **CLIMATE:** On October 31 San Francisco received a score of A characterizing SF a “Leadership” city as a result of reporting to Carbon Disclosure Project (CDP). An A is the highest score a city can receive in which only about 40 cities in North America have received this designation. By reporting to CDP we continue our annual climate mitigation and adaptation disclosures since 2011 and by scoring high we continue our commitment to climate action and leadership globally. Tantamount, credit rating agencies such as Moody’s recently began integrating climate risk disclosures in determining credit ratings. Ultimately, the Climate teams’ reporting to CDP, in part, aids the city in improving the City’s credit rating when issuing debt.

- **BIODIVERSITY/IPM:** Hosted a pivotal meeting to revive the multi-stakeholder San Francisco Weed Management Area, following the inclusion of base funding in the State budget for WMAs statewide.

### New/Revised Legislation and/or City Hall activity

- **ENERGY:** September 24, Introduce Municipal Building Natural Gas Ban

- **ENERGY:** September 24, Introduce Private Sector building Code Update for Natural Gas

- **ENERGY:** September 24, Announce intention and a process to Ban Natural Gas in all new construction

- **ENERGY:** September 23, Barry presents at Land use & Transportation Committee hearing for Building Renewable Energy Requirements

- **ENERGY:** September 30, Charles present at Committee hearing on EV Parking Requirement Legislation

- **ADMIN:** October 21, Civil Grand Jury Presentation

- **ZERO WASTE:** Successfully supported AB 54 (Ting) with Mayor’s office to provide up to $5,000,000 additional funding for SB 458 recycling redemption convenience pilot. Attended Small Business Commission on proposed reuse ordinance.

### Press and Media Highlights
- TOXICS REDUCTION: The Green Business Program partnered with other Green Business Programs around the Bay Area to produce advertisements for KQED and accompanying social media ads. The campaign ran from approximately October 5th - 19th.

- TRANSPORTATION: September 11, CITYLAB, “America’s Transportation History is Full of Mistakes. Let’s Not Make Another One.” By Commissioner Tiffany Chu.

- CLIMATE: September 11, SF Weekly, “San Francisco Knows How to Stop Global Warming — Will It?” By Richard Procter

- ENERGY: September 28, SF Examiner, “Charging ahead to combat climate change.” By Joshua Sabatini

- ENERGY: September 30, SFBAY, “SF could soon require charging stations in about 300 parking lots, garages.” By Jerold Chinn

- POLICY AND ENERGY: September 30, KQED, “EV Charging Stations”

- TOXICS REDUCTION: October 6, SF Examiner, “Study to determine if rodents and other pests eradicated from rehabbed public housing.” By Joshua Sabatini

- TOXICS REDUCTION: October 8, Waste360, “California’s Problem with Waste Marine Flares.” By Arlene Karidis

- EDUCATION: October 18, AmericanTowns, “SFUSD Celebrates National School Lunch Week with Grand Opening of McAteer Culinary Center.” By SFUSD

- EDUCATION: October 18, SF Examiner, “SFUSD going back to basics with school lunches made from scratch.” By Laura Waxman


- TOXICS: October 29, Sierra Club, “Is It Time for a Ms. Green?” By Jessian Choy

- ZERO WASTE: Interviewed by French journal Sud Ouest. Assisted with 2 SF Examiner articles regarding SB 458 pilot. Helped Hilton Hotel with SF media day, meeting with 8 local media outlets, social media influencers and freelancer content producers. Interviewed by Politico for their What Works series,

- **ZERO WASTE:** September 12, *National Law Review*, “San Francisco’s Fluorinated Chemical Ban Limited to Compostable Food Service Ware.” By Packaging Law Keller & Heckman

- **ZERO WASTE:** September 17, *SF Examiner*, “Compostable containers don’t end up where you think they do.” By Robyn Purchia

- **ZERO WASTE:** October 20, *SF Examiner*, “Mobile recycling program could fill the gap left by facility closures.” By Joshua Sabatini

- **ZERO WASTE:** October 31, *Waste 360*, “Recology Adds Max-Al Technology to Pier 96 Recycling Center”

**Staff Changes**

- **TOXICS REDUCTION:** Completed hiring process for Jenn Monnet, the new Municipal Toxics Reduction Assistant. Jenn previously worked as a lawyer and also helped with the rollout of the Antibiotics Use in Food Animals Ordinance, and will be assisting with both the Green Purchasing and IPM programs.

- **COMMUNITY RELATIONS** hosted two emerging leaders from the State Department-sponsored Tech Women program, during the month of October. The program brings female STEM professionals from Africa, the Middle East and Central Asia to the Bay Area to be mentored by female STEM professionals. This is the 6th year of SFE participation and a record number of emerging leaders (20) requested to be placed here.

- **OUTREACH (ENVIRONMENT NOW)/COMMUNITY RELATIONS** Diedre moved on from the Environment Now program and was by the Community Relations team as the new 5638 to support the intern program and policy work.

**Proposals submitted and grants and contracts awarded to the Department**

- **TOXICS REDUCTION:** BOS approved $160,651 grant from the California Department of Pesticide Regulation for follow up studies on pest prevention efforts in City affordable housing projects.

- **ZERO WASTE:** USDN awarded $91,000 Innovation fund grant to SFE to develop a carbon sequestration calculator for jurisdictions to measure their drawdown potential in collaboration with 5 primary and 6 observer cities.

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

- None

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

- **TOXICS REDUCTION:** Staff from the Green Business team attended the California Green Business Network training and meeting in Half Moon Bay.

- **TOXICS REDUCTION:** Staff presented about the City’s ban on flame retardants in furniture at the Underwriters Laboratory (UL) Furniture Summit and the Business & Institutional Furniture Manufacturers’ Association’s Annual Meeting, both held in Grand Rapids, MI.
- **TOXICS REDUCTION**: Staff presented about SFE’s work on toxics in food service ware at San Francisco Estuary Institute’s Microplastics Summit held in Berkeley.

- **TOXICS REDUCTION**: Staff presented about PFAS to staff of the East Bay Municipal Utility District and StopWaste.

- **ZERO WASTE**: Presented on zero waste programs at Sister City Kiel, Germany and toured zero waste sites. Established circular economy partnership with Amsterdam via Dutch Consulate and Green Building. Presented to high school students from Atlanta Pace Academy. Attended ReFed Food Waste Summit and assisted in announcement of World Wildlife Fund, Albertsons/Safeway, Kroger, Save Mart and other markets as new partners in Pacific Coast Collaborative. Secured Hilton Union Square and Park 55 as locations to utilize Leanpath food waste tracking software. Attended event steering committee meetings and provided event data for analysis. Outside Lands reported over 10,000 attendees using reusable cups with a campaign we supported. Presented on SF experience with compostable plastics for international webinar sponsored by Federal University in Brazil. Presented at East Bay task force on SF reducing recycling contamination, upgrading processing and marketing clean commodities. Represented SF at C40 Waste to Recycling workshop in Tokyo, Japan to review progress on Global Climate Action Summit declarations. Led effort by cities to urge C40 promote producer responsibility. Presented on zero waste and climate at international conference in Portugal on integration of vegan principles in world economic and social systems, and at NOAA Boston University CO2 USA Workshop. Provided information on zero waste, including funding mechanisms and composting operations, to Tech Women visiting from Morocco and Sierra Leone.

- **COMMUNITY RELATIONS** was the keynote speaker presenting on the city’s climate goals at the Green Gala attended by approximately 150 residents and activists.

- **COMMUNITY RELATIONS** presented on the City’s climate goals at the annual Astronomers and Astrophysicists conference at SF State.

- **COMMUNITY RELATIONS** facilitated a panel of climate scientists and representative from Interfaith Power and Light in a post-Climate Music Project concert at the Exploratorium. attended by 100 residents.

- **BIODIVERSITY**: Co-hosted with the Treasure Island Development Authority two community ecological stewardship work days on Treasure and Yerba Buena Islands.

- **BIODIVERSITY**: Invited to present about the SF Biodiversity Program at the Biophilic Cities Summit in Singapore.

**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
BC 3: Business Council on Climate Change
C 40: C 40 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
LG C: Local Government Commission
LG SEC: Local Government Sustainable Energy Coalition