



CITY AND COUNTY OF SAN FRANCISCO
COMMISSION ON THE ENVIRONMENT DIRECTOR'S REPORT

September 25, 2018

This report covers San Francisco Department of the Environment updates for the period of July 1, 2018 – August 31, 2018. Glossary of acronyms at bottom of report.

Residential Programs

- TOXICS REDUCTION: Oversaw the MED-Project medicine stewardship organization as they added 14 CVS Pharmacies to the Safe Drug Disposal Program. The Program now operates 45 drop-off kiosks at San Francisco pharmacies, hospitals, clinics, and police stations.
- TOXICS REDUCTION: Oversaw the MED-Project medicine stewardship organization as they implemented special mail-back programs for medical inhalers (e.g. asthma), pre-filled injector products (e.g. Epi-Pens), and iodine-containing medications. Residents can now request mail-back packages through the MED-Project website and call line that allows them to mail in these unwanted products for proper disposal free of charge.
- TOXICS REDUCTION: Added Alto Pharmacy, located in the Dogpatch neighborhood, to the network of Safe Needle Disposal Program locations. There are now 72 pharmacies where residents can pick up safe needle containers and return full containers for safe disposal, free of charge.
- CLIMATE (Environmental Justice): Healthy Homes presentations narrated in English, Spanish, Cantonese, and Russian are now published on SFE's Youtube channel (<https://www.youtube.com/playlist?list=PLP4sVwNXI-BvUKbfkaZE7auOLskd0UavN>) as a free resource for residents and multi-unit facilities staff to learn about Integrated Pest Management (IMP) and other tips to reduce indoor air pollutants.
- CLIMATE (Environmental Justice): Conducted Healthy Homes Presentations in English and Spanish at Holly Courts, a BRIDGE Housing site; in English at Kennedy Towers, a Mercy Housing site; and in English, Chinese, and Russian at 2698 California, a Mercy Housing site.
- CLIMATE (Environmental Justice): Conducted Zero Waste Training for Recycling Ambassadors & Tzu Chi Volunteers at Alice Griffith, a HOPE SF site attended by 75 people.

- OUTREACH (SCHOOL ED): Gave 14 Assemblies, Trainings, and Presentations to 9 schools which reached 918 students.
- OUTREACH (SCHOOL ED): Tabled at 5 events to promote Zero Waste. Reached 515 students, family members, and community members.
- COMMUNITY RELATIONS/OUTREACH: SFE Staff from the Climate-EJ team, Environment Now, School Ed and Toxics participated in more than 15 events including science events, back-to-school community festivals and Sunday Streets. Highlights include:
 - o Sunday Streets-the Toxics Team tabled at the SOMA event.
 - o Teen Night Life at the Academy: Community Relations and School Ed (including youth works interns) participated.
 - o Mayor's Annual 3 on 3 Basket Ball Tournament--Environment Now brought out our new basketball game that teaches residents about the new bin system.
 - o Back-to-School events--School Ed, EJ, Community Relations and Environment Now worked at Backpack Giveaways and Health Fairs.
- ENERGY/OUTREACH: Community workshops were held with over 100 attendees to establish awareness of the Home Upgrade program.
- ZERO WASTE: Started single-family small trash bin rollout in Recology Golden Gate service area. Referred the last 6 accounts (single room occupancy hotels) lacking adequate refuse service to Public Works. Issued 65 warning letters and added 11 contamination charges to apartment accounts. Worked with contractors to implement zero waste plans at 14 multi-family properties resulting in adjusted service levels, increased recycling and composting participation, and reduced contamination. Also Implemented zero waste plans at Central Waterfront Navigation Center and 250 Kearny (formerly homeless veterans), which included conducting assessments, installing internal bins and signage, and Environment Now providing staff and resident training. Increased composting service at rebuilt Alice Griffith Apartments, installed signage in 23 refuse rooms and worked with EJ to implement outreach. Housing Authority agreed to conduct Sunnydale outreach, audit bins and issue warning letters. Installed compostable bags in 52 more apartment buildings and completed outreach. Park Merced committed to compostable bag test in their towers.
- ENERGY: The BayREN Multifamily program is on track to exceed its goal of retrofitting 1,466 units in 2018.

Commercial Programs

- TOXICS REDUCTION / OUTREACH: From July 23rd to August 24th, re-launched the "Pretty Shouldn't Stink" marketing campaign promoting the Healthy Nail Salon program. Media channels included Facebook, Instagram and transit shelters throughout Districts 6, 10, and 11 to promote awareness among residents and support recruitment in these districts, with

additional transit shelters near newly certified salons. Environment Now supported grassroots outreach to prospective salons in Districts 10 and 11. There are now 52 recognized Healthy Nail Salons in San Francisco and four in process, out of a total of approximately 250 nail salons in San Francisco. To date, approximately 520 nail salon technicians have been trained. Our program goal is to recognize and maintain 55 salons in the program at any given point in time.

- TOXICS REDUCTION / OUTREACH (ENVIRONMENT NOW): Environment Now conducted 50 follow-up outreach visits to retail stores in San Francisco who sell covered products under the Flame Retardant Chemicals in Upholstered Furniture and Certain Juvenile Product ordinance. The purpose of this visit is to ensure that the manager understands the ordinance and answer any questions she/he may have about it. These visits are follow-ups to the 149 visits that Environment Now conducted in February and March of this year.
- TOXICS REDUCTION: There are now 276 certified Green Businesses in San Francisco and 96 businesses in process of becoming certified.
- OUTREACH (ENVIRONMENT NOW): Increased participation in the ZW program by training 630 staff at 370 small businesses in D1, D4, D7, and D11.
- COMMUNITY RELATIONS: Presented to McKinsey's San Francisco Office on the City's climate goals and how they can get involved in various initiatives attended by 50 people.
- ZERO WASTE: Began implementing new construction & demolition debris recovery regulations, requiring 3rd-party verification at registered facilities. Facilities must provide letter of 3rd-party engagement by October 17th. Approved 5 demolition debris recovery plans resulting in 18,896 tons of material recovered at an average of 95%. Provided technical assistance to 6 medium/large commercial accounts to right size service and improve source separation. Worked with Environment Now to improve source separation at 18 small commercial accounts. Conducted staff training on zero waste and program changes at Northeast Medical Service which was projected to 14 offices with 700 employees.
- ENERGY: Prepared 2019 SFEW savings forecast plan, including annual cost-effectiveness calculations required for all programs in PG&E's energy efficiency program portfolio. Continued to collaborate with other long standing Local Government Partnerships programs statewide, and participate in regulatory proceedings at the CPUC, to secure ongoing funding for energy efficiency programs implemented by cities and counties.
- ENERGY: Prepared the new BayREN Commercial Implementation Plan for official filing to CPUC in September.
- ENERGY: BayREN completed a Joint Cooperation Memo with PG&E, describing to the CPUC how the programs will work together, rather than duplicate energy efficiency program delivery.

- ENERGY: The SFEW team collaborated with SFMTA to retrofit lighting at the 5th and Mission Streets garage, which will save approximately 1.1 MWh annually.

City Department Programs

- TOXICS REDUCTION/GREEN PURCHASING: Convened meeting of Citywide Custodial Product Green Team to plan for upcoming Training of Trainers for custodial supervisors on green cleaning, scheduled for October 16, 2019 with green cleaning consultant Stephen Ashkin.
- TOXICS REDUCTION/GREEN PURCHASING: Draft Citywide green purchasing policy for imaging equipment submitted for review by City information technology managers. Will be on agenda for Committee on Information Technology meeting in October.
- TOXICS REDUCTION/IPM: IPM Technical Advisory Committee discussion, together with DPH Vector Control, on the prospects of citywide digital mapping of rat, mosquito and other pest infestations, historical treatments for pests, and City infrastructure that relates to IPM efforts.
- CLIMATE (Municipal Green Building): The San Francisco Main Library earned a LEED Gold certification. This Building Operations and Maintenance project was a total of 376,000 square feet.
- CLIMATE (Municipal Green Building): SFO Firehouse No. 3 became the City's first municipal project to earn LEED Gold under the LEED version 4 rating system. This Building Design and Construction project was a total of 21,165 square feet.
- CLIMATE (Municipal Green Building): Central Vehicle Shop – Selby (63,193 square feet) and Central Vehicle Shop – Toland (42,948 square feet) earned LEED Gold for Building Design and Construction.
- CLIMATE (Municipal Green Building): There are now 61 LEED certified municipal projects totaling 8,130,684 square feet.
- CLIMATE: The Municipal Green Building Task Force approved a waiver request approved for a facility owned and operated by Animal Care and Control.
- CLIMATE: Held Municipal Green Building Task Force meeting at SFE featuring two fantastic presentations on building decarbonization - one by Peter Rumsey, Point Energy Innovations, and the other by Nate Kinsey, SFUSD. The meeting was well attended with approximately 80 participants.
- CLIMATE: Finalized DRAFT Municipal Climate and Sustainability Progress Report with support and assistance from SFE Program staff. DRAFT will be circulated to City department climate and sustainability staff prior to release.
- CLIMATE: Participated in an inter-departmental workshop on alignment of citywide climate, hazards and resilience projects and programs as part of ongoing coordination with Planning, Port and Office of Resilience and Capital Planning.

- ZERO WASTE: Presented on zero waste to 185 people at DPH Laguna Honda Hospital nutrition services and environmental services divisions, and SFE.
- ENERGY: Convened two inter-agency meetings to determine metrics for developing a first of its kind economic value of post-disaster resilience that the City would gain from installing Solar + Storage systems on municipal facilities designated to serve the community in time of emergency. A report on value of resilience is the final deliverable in a 4-year U.S. Department of Energy grant, and will be completed December 2018.
- ENERGY: Convened four meetings with co-chairs of the Mayor's EVWG Electric Mobility Subcommittee (SFMTA and SFPUC) to draft implementation steps for the citywide Electric Vehicle Roadmap for Private Sector Transportation (pending the Mayor's review).
- ENERGY: Led coordination of internal and external stakeholders on the feasibility of installing 3-6 high powered, fast EV Charging stations in Supervisor Yee's district. Site under consideration is a small, existing parking lot owned and managed by SFMTA, and is currently underutilized. Cost of project would be covered by charging network provider EVgo, and would be at no cost to the City. Supported SFMTA in meetings with Supervisor Yee's office to discuss this potential project.
- ENERGY: Continued to collaborate with internal stakeholders to spur development of high powered, fast EV charging infrastructure in a variety of municipal locations, including SFMTA garages, a RED parking lot, and a location on the curb in Civic Center plaza.

Citywide/Cross-Sector Programs or Initiatives

- BIODIVERSITY: Staff delivered presentation on July 26th to SF Port staff regarding the SF Plant Finder.
- BIODIVERSITY: Staff convened weekly inter-organizational collaborative meetings to plan and produce the BiodiverseCity Summit at the Global Climate Action Summit.
- BIODIVERSITY: Staff convened second interagency meeting to implement the Board of Supervisors Biodiversity Resolution.
- OUTREACH (TDM): Launched carpool encouragement initiative for the Mission Bay region in partnership with app provider Scoop on August 13th. Program will run until funds are expended, no later than September 30th.
- CLIMATE: Completed a greenhouse gas (GHG) emissions backcasting in order to make all inventory years prior to 2012 fully compliant with the World Resources Institute, C40 Cities Climate Leadership Group and ICLEI – Local Governments for Sustainability GHG Protocol standard for cities known as *Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (GPC)*.
- CLIMATE: Released updated GHG emissions numbers and published to SFE website and dashboard demonstrating we remain on track with a 30% reduction below 1990 levels in 2016.

- CLIMATE: Received five submissions of interest for two City sites included in C40's Reinventing Cities Competition. Completed Phase I of the competition and are now entering into Phase II.
- CLIMATE: Completed a technical analysis of emissions reduction drivers for action across three sectors that demonstrates optional pathways to achieve net zero emissions by 2050 with support and assistance from SFPUC, MTA and SFE staff.
- CLIMATE: Harvard graduate student, Slava Derugin, completed and presented her research on Water Heaters: Balancing Decarbonization and Circular Economy Goals, a project completed to inform how future decarbonizing policies can complement (rather than conflict with) the City's zero waste goals.
- CLIMATE: Staff attended a Director's Working Group meeting on city equity programs and projects including presentations from the Human Rights Commission, Controller's Office and Planning.
- CLIMATE/OUTREACH (TDM): Building on the research report from UC Berkeley on gender, racial and socioeconomic inequalities in San Francisco biking, worked with C40 staff and researchers from University of London to translate the findings of the report into communications materials include web content, talking points, and a 2-page Case Study summary. San Francisco is one of the first cities to complete a Case Study as part of C40's Women4Climate initiative.

New/Revised Legislation and/or City Hall activity

- TOXICS REDUCTION: Staff continues to follow efforts to pass a statewide Flame Retardant Chemical bill (AB 2998) which would prohibit the sale of upholstered furniture, certain juvenile products, and mattresses containing flame retardant chemicals. The bill as currently written would not preempt San Francisco's Flame Retardant Chemical ordinance passed in 2017. Commercial toxics staff visited California Senate and Assembly offices in support of AB 2998 and shared San Francisco's story when working on a similar bill.
- ZERO WASTE: Mayor Breed committed San Francisco to new zero waste pledges of reducing generation 15% and disposal 50% by 2030, and challenged other cities to do the same. Single-Use Food Ware Plastics, Toxics and Litter Reduction Ordinance was adopted. Presented on ordinance at national large venue sustainability webinar.

Press and Media Highlights

- BIODIVERSITY: The September issue of The Potrero View features a story on the restoration of Starr King Open Space -- a Carbon Fund grant recipient -- and includes quotes from Peter Brastow (Senior Biodiversity Coordinator) about how the biodiversity of green spaces like Starr King can be inventoried and preserved.
- ZERO WASTE: San Francisco's zero waste efforts were chronicled in a national CNBC news story titled "[How San Francisco sends less trash to the landfill than any other major U.S. city.](#)" Debbie was interviewed and featured prominently in the story along with Recology's facilities.

- ZERO WASTE: Supervisor Tang and environmental advocates held a press conference and rally on the steps of City Hall on July 16th for the Plastics and Litter Reduction Ordinance, which includes a ban on plastic straws. Debbie served as the emcee and multiple local media outlets covered the story, including: [SF Weekly](#), [ABC-7](#), [China Economic Net](#). The legislation also received national media coverage by the [Associated Press](#).
- ZERO WASTE: In advance of the Global Climate Action Summit, Mayor Breed announced a new zero waste commitment for San Francisco focused on reducing waste generation and disposal. Debbie was interviewed by the SF Chronicle about the global commitment and San Francisco's zero waste progress: "[S.F. invites world to join in zero-waste initiative.](#)"

Staff Changes

- OUTREACH (SCHOOL ED): Miriam Palma-Trujillo is the new 9922 Associate.
- OUTREACH (ENVIRONMENT NOW): Eddie Ashley (9920) departed the team

Proposals submitted and Incoming grants awarded (from whom/amount/summary)

- COMMUNITY DEVELOPMENT/CLIMATE: Completed a successful Phase I submission to Bloomberg Philanthropies American Cities Climate Challenge (ACCC) with support and assistance from SFE, SFMTA, CTA and Planning staff. The City advanced to Phase II of the challenge and is preparing for a Challenge Team site visit to discuss selection as a ACCC city.
- ZERO WASTE: submitted a proposal to CalRecycles to do a pilot project to increase bottle and can recycling
- ENERGY: Led development of multi-city (San Francisco, Houston and Washington, D.C.) grant proposal submitted to USDOE that would identify policy, technical, and business model solutions for advancing high powered, fast EV charging to provide efficient mobility solutions for multi-unit dwelling residents in multiple U.S. markets.
- ENERGY: Led development of proposal to CARB to deploy charging stations, and medium and heavy-duty EVs engaged in delivery of produce along freight corridors in San Francisco and Sacramento.
- ENERGY: Collaborated with NREL on a proposal to USDOE to develop a Secure Energy Algorithm Testbed – which will enable NREL to help SFE identify energy efficiency opportunities while simplifying compliance with state privacy laws.
- ENERGY: There are currently no electric car share vehicles in the City and staff has been working with private sector partners to integrate EVs into their fleets. Submitted a funding proposal to SFCTA that would enable integration of charging stations a small number of existing car share spaces to electric car share options.
- ENERGY: ABAG increased SFE BayREN program budgets (Multifamily +\$75,000; Commercial +\$312,500).

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

- ZERO WASTE: Conducted site visit of grantee Recycle for Change. Submitted CalRecycle Beverage Container Recycling Fund Grant for SB 458 redemption convenience pilot funds.
- OUTREACH: Launched a new Marketing and Advertising Services RFP. Conducted an in-person pre-bid meeting with dozens of local marketing and advertising agencies. Currently waiting on RFP proposal submissions from agencies.

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

- TOXICS REDUCTION: Commercial toxics staff presented on the San Francisco Healthy Nail Salon Program and participated in a panel discussion at a Regional Microloan Convening event titled Expanding Access to Capital to Advance Healthy Nail Salons. The pilot program, supported by a grant from the Environmental Protection Agency, offered small business loans to nail salon owners who are working towards becoming recognized Healthy Nail Salons.
- CLIMATE: Co-led two "Green Features" preview tours of the Salesforce Transit Center (50 attendees total) with SF Public Works.
- CLIMATE: Spoke to over 150 attendees as a panelist at GreenerBuilder entitled "Future Proof Your Building with Circular Design" alongside co-panelists Lewis Perkins, Cradle to Cradle Products Innovation Institute, Jean Hansen, HDR, Miya Kitahara, Stop Waste, and Lisa Conway, Interface.
- CLIMATE: Attended the 2018 Climate Adaptation Forum to learn about best practices in adaptation and resilience. Topics addressed included: urban heat island; integrating energy efficiency and health, electrification; building resilience; wildfires and other extreme events and more.
- COMMUNITY RELATIONS/CLIMATE:
 - o Staff Presented on the City's Climate goals and SFE programs to fellows from the State Department's Mandela Fellows program.
 - o Staff Presented on Biodiversity, Climate and Zero Waste to the State Department-sponsored Chinese Emerging Leaders.
 - o CLIMATE presented to a CEC-sponsored group for China.
- COMMUNITY RELATIONS/ADMIN: Coordinated a Sister City MOU between Kiel, Germany and San Francisco focused on sharing best management practices on Zero Waste. The signing ceremony took place at City Hall and was attended by the Mayor and representatives from other sister cities.
- ZERO WASTE: Presented on zero waste and city climate action plan goals at Regional Town Hall Meeting on Climate Emergency in Berkeley. Developed and curated organics track, and

moderated and presented on foodware policy options at California Resource Recovery Association conference in Oakland. Hosted visit by Oregon Beverage Recycling Coop staff to introduce bag drop system and meet with city leaders, and key staff with CalRecycle and Senator Wiener. Met with Living Environment Division, Itami City Japan, to discuss San Francisco's zero waste efforts. Worked with C40 and other cities to draft Global Climate Action Summit (GCAS) Advancing Towards Zero Waste Declaration. Worked with GCAS event greeners on primary venues, and provided edits on sustainability report and toolkit for summit.

- ENERGY: Presented poster at American Council for an Energy Efficient Economy on collaboration between BayREN, LBL, and NREL that developed energy models for each office and retail building in San Francisco; identified opportunity for an average of 24% energy savings.
- ENERGY: Presented on San Francisco and battery storage permitting at CEC workshop informing development of guidebooks for permitting Energy Storage.
- ENERGY: Presented the City's climate and energy policies and programs at:
 - o 2018 Seoul Solar International Conference
 - o 2018 Zero Net Energy/Carbon Retreat.

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
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: Greenhouse 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
MWh: Megawatt hour
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
RED: SF Department of Real Estate
SFEECC: SF Energy Efficiency Coordinating Committee
SFEW: SF Energy Watch
SFO: SF International Airport
SFCTA: SF County Transportation Authority
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
TDM: Transportation Demand Management

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
ZW: Zero Waste