



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

July 28, 2020

This report covers San Francisco Department of the Environment updates for the period of May 1, 2020 – June 30, 2020. Glossary of acronyms at bottom of report.

Residential Programs

- ENERGY: Both BayREN Single Family and Multifamily have resumed construction and project recruitment. Both programs have safety and health protocols to protect residents, contractors and program staff.
- ENERGY: SFE and PG&E entered into a new contract for 2020-2023 Local Government Partnership. The partnership, known internally as strategic energy resource ("SER"), will fund a brand new program called "EnergyAccessSF." In its first year, EnergyAccessSF will exclusively focus on recruiting residents from the Bayview-Hunters Point neighborhoods into energy efficiency programs.
- ENERGY: DPH, SFE and OEWD formally initiated a collaboration to reduce lead paint contamination in San Francisco. Using funds from the Lead Paint Suit Settlement, the collaboration aims to conduct a pilot program in the first year. Afterwards, a broader, city-wide program will open for enrollment. With DPH as lead, SFE will administer and implement the day-to-day activities. Additionally, SFE staff will also bring energy efficiency programs and rebates into projects to build comprehensive retrofits.
- TOXICS REDUCTION & OUTREACH: The Used Oil Program wrapped up their outreach campaign targeting English and Chinese speakers. The campaign directed attention to the dangers of used oil in the environment when improperly disposed of. It generated over 16 million impressions from the campaign ads, had over 35K unique visits to our Used Oil landing page, and distributed 1,000 oil drain pans.
- TOXICS REDUCTION & OUTREACH: The Safe Medicine Disposal Program has operated throughout the Shelter in Place Order, with only minor disruptions to Program services. 42 of the 44 medicine collection kiosk locations remain available for San Francisco residents to drop off their unwanted medicine. The program operator MED-Project has also increased promotion of the Program's mail-back services, which allow residents to request medicine mail-back envelopes be sent to their homes free-of-charge. MED-Project reports that requests for mail-back envelopes have increased substantially since March. The Department received the 2019 Program Annual Report on April 25, 2020. The total weight of medicine collected increased to 29,156 lbs. in calendar year 2019 from 22,929 lbs. in calendar year 2018, representing a 27% increase.

- TOXICS REDUCTION: Recology reports that San Francisco residents have been using their time at home under SIP to properly dispose of toxics. The number of Household Hazardous Waste (HHW) Home Collection Service appointments increased 36.5% in April-June 2020 compared to the same period in 2019. The number of residents delivering their HHW to the permanent collection facility at 501 Tunnel Avenue is also up 33% for the last week of June 2020 compared to the weekly average of facility users for April-June 2019.
- OUTREACH (SCHOOL ED): Our School Education team delivered 2 live virtual presentations on water pollution prevention to 2 schools. We reached 40 students and 2 teachers (District 3, 5).
- ZERO WASTE: Called and/or emailed 97 property managers regarding zero waste best practices during covid. Corrected SIC codes for 326 affordable housing buildings, and updated parent company and linkages in CRM. Increased composting and recycling service at 2 properties in response to tenant complaints. Emailed courtesy notice to 1 account failing Refuse Separation Compliance Ordinance (RSO) audit, and met with the property manager virtually to discuss implications and tailor solutions for property. Emailed good job letters to 3 accounts passing RSO audits. Analyzed event data and made recommendations for sponsored, unsponsored and non-compliant events. Provided information to GAIA on pay-as-you-throw and feedback to Zabble with Outreach regarding former's Personal Protective Equipment (PPE) signs.

Commercial Programs

- ENERGY: BayREN Business and Microloan Programs have resumed construction and project recruitment. Both programs have safety and health protocols to protect residents, contractors and program staff.
- ENERGY: Funded by the European Commission, the Institute for European Energy and Climate Policy (IEECP) published a detailed report about the BayREN Business Program. The report highlighted BayREN's innovative features, and explained how similar programs may scale in the European Union.
- ENERGY: Assisted the BayREN Program implementer, the ABAG, in preparing for filing the 2021 Annual Budget Advice Letter ("ABAL"). The ABAL filing informs the California Public Utilities Commission of BayREN's proposed 2021 budget and energy savings goals.
- ENERGY: The San Francisco Energy Watch program is officially closed. Since 2006, SF Energy Watch has been the cornerstone of energy efficiency programs at SFE. SF Energy Watch primarily serves the commercial sector, with projects in every corner of San Francisco. The final energy savings numbers are not available yet because the last cohort of projects are nearing completion.
- ENERGY: The International Council on Clean Transportation (ICCT) finished its study on electric vehicle infrastructure needs to inform the Climate Action Plan. Also, the Harvard Kennedy School finished its policy study/report on EV adoption in San Francisco.

- ENERGY: SFE, C40 and SFMTA have initiated discussions on a curbside electric vehicle pilot project.
- ENERGY: The California Energy Commission ("CEC") recommended San Francisco as a potential participant in the 2022 California Electric Vehicle Infrastructure Project (CALeVIP) grant. CALeVIP offers incentives for the purchase and installation of electric vehicle charging infrastructure at publicly accessible sites throughout California. Upon approval by the CEC, CALeVIP will bring millions of CEC funding to build charging infrastructure in San Francisco.
- ENERGY: Initiated a working group to prepare an application for CEC funding to develop a blueprint document to expand charging infrastructure for medium- and heavy-duty EVs. Elements of the application will focus on last-mile and urban freight, workforce development, and serving disadvantaged communities.
- ENERGY: Continue to explore SFE's role in SFMTA's plan to bring on-demand electric shuttles to serve residents of the Bayview-Hunters Point neighborhoods.
- TOXICS REDUCTION (Green Business): The GB team implemented a "prebate" and rebate program, helping 19 small recognized or in-process Green Businesses purchase items required for Green Business recognition, such as safer cleaning and disinfecting products, recycled content paper products, and energy efficient lighting.
- TOXICS REDUCTION (Green Business): The GB team kicked off a paid advertising campaign on Facebook. Individual advertisements were created for 25 self-selected Green Businesses, with information on how to support them during this time.
- ZERO WASTE: Finalized RSO audit procedure document and quality assurance inspection process with Recology. Provided Chase Center failed trash inspection and received commitment from operations manager to improve source separation. Informed 17 commercial accounts of compliance verification approval delay (due to covid), and emailed courtesy notices to 3 accounts failing audits and congratulatory emails to 2 passing. Met with DPH to coordinate food donation in preparation for SB 1383 requirements. Contacted 15 large commercial kitchens to recruit them as KitchenZeroSF food donors. Approved 5 demolition debris recovery plans (D6, 8, 10 & 11) recovering 14,760 tons at 94%, and 1 final material reduction & recovery plan (D2) recovering 121 tons at 76%. Finalized agreement to secure a Climate Corps Fellow September 2020 to July 2021. Met with Tishman Speyer, Turner Construction, Webcor, BCCI Construction, GCI General Contractors and other construction industry global leaders to launch SFE-led surplus construction materials reduction & redistribution study. Helped procure, through SCRAP, 1,100 recovered cloth handmade facemasks to be distributed to nonprofits. Got agreement from DPH to reverse health order disallowing customers to bring their own bags, if they follow Cal/OSHA guidelines.

City Department Programs

- TOXICS REDUCTION (Green Purchasing): Updated and further developed the "Safer COVID-19 Cleaning Products and Disinfectants" [web tool](#). Obtained DPH approval for related [factsheet](#) aimed at businesses.

- TOXICS REDUCTION (Integrated Pest Management): Completed rebuild of the Pesticide Use Reporting System web database, which is used to track all pesticide use on City properties. Rollout scheduled for September.
- OUTREACH (School Ed): The School Education team awarded 5 individuals and their school communities for their leadership in youth climate justice. In partnership with KQED, the team created 5 awardee videos: <https://bit.ly/2CNxY7P>
- ZERO WASTE: Created a recorded zero waste presentation and quiz for Animal Care and Control. Created a general virtual zero waste presentation and delivered it to 241 staff at DPH and SFE new employee orientations, Laguna Honda Hospital and SMFTA sites. Ordered adequate refuse service by suspending, adding and/or lowering service levels and frequency at 1 SFMTA and 26 Rec & Park locations. Ordered additional bins, signs and stickers for Laguna Honda Hospital, SF General Hospital, 2 SFMTA locations and new building at 49 S. Van Ness. Provided feedback on PPE signage at SF General Hospital. Provided information regarding zero waste and green purchasing to SFPW employees, Denver Sustainability Office and the public.

Citywide/Cross-Sector Programs or Initiatives

- OUTREACH (Sustainable Transportation): The [Essential Worker Ride Home](#) program received additional funding approved by SFCTA Board on May 19, which extends the program through September 31, at a minimum. Since launch, SFE has conducted comprehensive, equitable, citywide outreach in collaboration with City partners, Supervisor Offices, and CBOs to reach communities of color with limited access to transportation. This has resulted in 8K+ total pageviews and 6.7K unique pageviews, and as of June 29, the program has received 398 applications, 143 of which have been approved. Outreach will continue with a targeted paid social media campaign, slated to launch in July.
- TOXICS REDUCTION (Integrated Pest Management) and ENVIRONMENTAL JUSTICE: Pest inspections in low-income RAD housing projects have been put on hold due to COVID-19 concerns. This is a state-funded project to evaluate the effectiveness of IPM and pest prevention measures installed in RAD developments.
- OUTREACH (School Ed): SF Children and Nature collaborative, a cross-sector collaborative providing nature access to every child every day, provided 3363 seed planting kits to families in vulnerable and low-income communities through a literacy kit distribution. SF Environment, via our School Ed program, is a participating member of this collaborative.
- ZERO WASTE: Cool Climate Network at UC Berkeley completed a production and consumption-based greenhouse gas inventory for SF at our request. Provided administrative support for Community Branch at the Emergency Operations Center, and assisted at a covid test site and hotel as Disaster Service Workers.

New/Revised Legislation and/or City Hall activity

- ZERO WASTE: Reviewed final draft SB 1383 regulations (organics recovery) and submitted comments on draft SB 1335 regulations (sustainable packaging). Surveyed over 30 construction & demolition (C&D) contractors/transporters to confirm proposed C&D ordinance

transporter permit fees would have a negligible cost and perceived leveling of the playing field benefit for construction projects. Got input from DPH and SFPW on the proposed ordinance.

Press and Media Highlights

- ADMIN: [This year's Earth Day celebration was quiet, but determined](#) "When multiple counties come together it makes communications easier, and policies are more defensible and scalable," Raphael told me. "I am curious to see how we can do the equivalent of a regional health order for the environment."
- CLIMATE: [Think Global, Act Local: San Francisco's Carbon Policy](#)
To completely decarbonize buildings in San Francisco by midcentury, "we need to redouble our efforts," says Barry Hooper, senior green-building coordinator with the city's Department of the Environment. "The next 10 years will be critical."
- OUTREACH: [San Francisco To Offer Free Taxi Rides To Essential Workers](#)
For now, the program is only accepting 70 applications, but city spokesperson Joseph Sweiss says that while late night commuters in need are the current priority, the hope is to expand the program soon.
- COMMISSION: [In A Pandemic, Transportation Ushers In A New Age Of Agile Experimentation](#)
Because we're in an emergency, city departments are collaborating in more nimble, cross-functional ways than ever before. Wherever we land, our cities must adapt, pushing beyond our traditional transportation paradigm, building back better and more resilient than before. Our lives depend on it. Article written by Commissioner Tiffany Chu.

Staff Changes

- ENERGY - Warren Seto, PE, 5640 Environmental Specialist, has moved to PG&E. In his role, Warren will review energy efficiency project savings and rebates for compliance to rules set by the California Public Utilities Commission and PG&E.
- ENERGY - Joanna Bell, a recent graduate from the Harvard Kennedy School, joined the Clean Transportation Team as a Clean Cities Intern in June. Joanna co-authored the policy study on EV adoption in San Francisco for SFE. In her role, Joanna is charged with implementing Clean Cities activities and providing research support for other EV-initiatives, such as the MD/HD Blueprint application. Joanna is anticipated to remain with SFE until the end of December, 2020.
- TOXICS REDUCTION - Alain Perez has joined the Toxics Reduction team for the summer as part of Stanford's Haas Center for Public Service's Undergraduate Fellowships Program. He is working on a guide for greening the film industry in San Francisco, researching specific standards for new sectors of the Green Business Program, and researching recycling efforts for electronic cigarettes.

- ALL - For the 12th summer, SFE is hosting Opportunities for All Youthworks interns. This city-funded program matches high school juniors and seniors with mentors in city departments throughout the city. SFE is hosting 5 interns, who are working on virtual projects that not only support our work, but provide an education on how government works and the environmental challenges we address at SFE.
- ZERO WASTE: Alex Dmitriew retired after advancing zero waste for almost 17 years on the commercial team. He will be greatly missed.

Proposals submitted and grants and contracts awarded to the Department

- ENERGY: In collaboration with ICCT, SFE submitted a proposal to the Robert Wood Johnson Foundation on sustainable freight and charging infrastructure for San Francisco. ICCT is the lead on the \$600,000 request, which includes \$100,000 for SFE. The highly competitive grant opportunity from RWJF makes a total of \$3M available to US cities to bring the most impactful ideas from cities across the globe to address intertwined issues of health, equity, and climate change. Finalists will be notified in September and grants begin in November.
- CLIMATE/PARTNERSHIPS: SFE submitted a \$600,000 proposal to the Robert Wood Johnson Foundation to pilot a program to install heat pump hot water heaters in low-income housing. The 3-year project will draw on work completed in Vancouver and London. SFE is the lead on the project and will collaborate with SFDPH and SFORCP, as well as members of the Anchor Partner Network. As noted, this is a highly competitive process, with only \$3M available for all cities across the US. Finalists will be notified in September and grants begin in November.
- TOXICS/PARTNERSHIPS: SFE submitted a proposal to the US EPA for \$200k to launch a campaign about using safer cleaning and disinfecting products in low-income vulnerable communities, including Bayview Hunters Point, the Mission.
- CLIMATE/PARTNERSHIPS: SFE submitted two small proposals to the USDN to continue the work of the Anchor Partner Network. One for \$15K to continue piloting the APN's work in San Francisco on advancing equity and community engagement around building/energy policies and another for \$10K to host a virtual convening with the City of Portland to exchange practices and lessons learned through this APN process. Projects were not funded, however feedback from the USDN was positive and we were encouraged to incorporate the feedback and apply in the next round.
- TOXICS REDUCTION: The Commercial Toxics Reduction Program applied for and received a \$5000 grant from Healthy Babies, Bright Futures to amplify work already underway to exchange nap mats containing flame retardants for ones without at San Francisco childcare providers serving low-income families.
- ZERO WASTE: Received Notice to Proceed for \$500,000 from Beverage Container Recycling Fund to support SB 458 mobile redemption pilot. Submitted application for \$1,000,000 in AB 54 funds to support pilot.

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

- ZERO WASTE: Certified Replate, SF Market, San Francisco State University, SFUSD and UCSF grants. Created and populated grant tracker.

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

- ENERGY: On June 18, 2020, Tessa Sanchez, 5640 Energy Specialist, presented innovative elements of the BayREN Business program to members of the Association of Energy Professionals. The webinar, "Pay for Performance Pilot Programs," highlights leading performance-based energy programs from across the country.
- ZERO WASTE: Shared SF zero waste policy and programs with over 40 civic spark fellows from throughout Northern California. Participated in California Resource Recovery Association (CRRA) zero waste during covid webinar. Attended Sustainable Purchasing Leadership Council conference. Attended CRRA and Solid Waste Association of North America zero waste principles and practices webinars for certification exam. Participated in C40 Waste to Resources working group covid webinar. Joined San Francisco Lifelines Council for coordination of lifeline providers in disaster recovery and participated in meeting on refuse services. Participated in regional solid waste agencies policy call to kickoff collaboration advocating for zero waste policies at the state level.

COPY GLOSSARY FROM LAST REPORT

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
ORCP: SF Office of Resiliency and Capital Planning
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
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
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