

CITY AND COUNTY OF SAN FRANCISCO  
**COMMISSION ON THE ENVIRONMENT DIRECTOR'S REPORT**  
May 23, 2017

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

**Residential Programs**

- ZERO WASTE: Conducted Zero Waste Event Workshop with 45 event producers and 2 trainings for 110 caterers. Zero waste grantee surpassed goal by placing 55 textile collection boxes in public and apartment settings, collecting 466 tons. Received 22 zero waste grant applications requesting \$2.4 M. Communicated with over 100 apartment building managers that had more than 64 gallons/unit of trash. Provided assistance to Kirkland, WA on starting their apartments composting collection program.
- OUTREACH: 25 Staff, 4 interns and 60 volunteers participated in 40 events during this quarter including more than 30 Earth Day events and activities throughout the month of April. Staff gave presentations, introduced films and tabled at neighborhood festivals. In addition:
  - TOXICS REDUCTION: Gave presentations on safer cleaning practices to the Bayview Hill Neighborhood Association, Mo'Magic community group and the Mission YMCA Senior Group. Also presented on Safer Cleaning & Integrated Pest Management to residents at Rosa Parks Housing, Westside Courts, Clementina Towers, and 430 Turk public housing sites
  - SCHOOL ED: Tabled at 6 school fairs and events reaching 530 students, adults, and community members.
  - ENERGY: Staff attended the SF Apartments Association's Spring Fling Trade Show event at Fort Mason. This annual event is open to the public and brings vendors, service providers and lenders together with multifamily building owners, operators and other stakeholders. Within two hours of tabling, Staff gathered nearly 30 program (e.g., BayREN) leads.
- SCHOOL ED: Gave 42 Assemblies, Trainings, and Presentations at 33 schools. Reached 3,180 students and 400 adults.
- SCHOOL ED: Participated at 2 school panels reaching 95 students participating in a pathway for environmental careers.
- TOXICS REDUCTION: Made site visits to 28 retail motor oil, battery, and paint take-back partners.
- TOXICS REDUCTION: Ran a month long mobile targeted outreach ad targeting San Francisco car owners who change their own motor oil and filter. Over 5 million impressions were served on mobile phones and computers.
- ENVIRONMENTAL JUSTICE/TOXICS REDUCTION: Translated Healthy Homes presentation into Chinese, Russian, and Spanish and created narrated PowerPoint presentation videos in multiple languages that can be used by property managers at tenant meetings.

- ENVIRONMENTAL JUSTICE: Coordinated bed bug canine inspections and thermal treatment at Hunters View Public Housing site in preparation for resident relocation to newly constructed units at HOPE SF Hunters View, managed by John Stewart Co.
- ENERGY: Energy's Zero Emission Vehicle program partnered with Outreach to develop a social campaign to increase awareness of the availability and incentives for electric cars. The campaign was extremely successful. In March, final project analytics were reviewed and found the project resulted in over 2.7 million impressions, 11,000 page hits, and 850 link clicks to individual incentives.

### Commercial Programs

- ZERO WASTE: Provided technical assistance to improve source separation at Employment Development Department, Neiman Marcus, China Live, Square, Chinese WWII Museum, Mercedes Benz, Burma Superstar's multiple restaurants, Richmond YMCA, Beloved Café, Canessa building and 106 other accounts. Advised Transbay project management team on mandatory ordinance requirements and provided suggestions for compliance. Gave Warriors project management team a tour of various facilities utilizing zero waste facilitators. Processed 3 demolition debris recovery plans (D6 & 10) resulting in 2,821 tons of material recovered at an average rate of 82%. Met with City of Oakland to discuss a regional approach to debris management. Assisted Port staff on presentation to their Commission on proposed relocation of Recology debris recovery facility to Pier 96 adjacent to Recycle Central. Advised Port on bag and expanded foam policies in connection with proposed regulations for fishing vessels selling product directly to the public. Advised Maui County on their proposed foam ordinance. Coordinated training by EPA Region 9 on new Energy Star waste tracking portfolio manager.
- ENERGY/CLIMATE: Staff has secured additional Strategic Energy Resource funding through the City's SFEW program partnership with PG&E for the San Francisco Energy Watch Microloan, and is now working with Mission Asset Fund (lender) on enhanced San Francisco marketing and outreach, as well as with East Bay Energy Watch (EBEW) to pilot expansion to their territory.
- ENERGY/GREEN BUILDING: Staff is partnering with the U.S. EPA to provide Energy Star support to faith-based organizations. Data analysis was conducted (e.g., past SFEW participation, Existing Commercial Building Ordinance (benchmarking) requirements, SF Data, and PG&E's Energy Insight) to identify contacts. The main criteria of targeting congregations were an electric bill expense of greater than \$500 a month. This outreach effort is will continue until the end of the year.
- OUTREACH/ENVIRONMENT NOW/ZERO WASTE: The Outreach and Zero Waste team worked collaboratively to implement the Food Service and Packaging Waste Reduction Ordinance that went into effect on January 1, 2017. To prepare businesses most impacted by the ordinance, the department launched a multi-faceted outreach campaign in October 2016. The Department's outreach and zero waste teams developed on-line and print resources, mailed over 8,000 letters in three languages, and visited 847 businesses throughout all supervisorial districts.
- ENERGY/GREEN BUSINESS: Staff conducted District 4 business outreach on Energy and Green Business Program services. SFEW staff discussed program details with 33 unique businesses which generated 4 program leads.

- TOXICS REDUCTION: There are now 39 recognized Healthy Nail Salons in San Francisco and 15 in process, out of a total of approximately 300 nail salons in San Francisco. We have a goal of 50 recognized Healthy Nail Salons by the end of June 2017. To date, approximately 450 nail salon technicians have been trained in San Francisco. Three nail salons have signed up for a microloan working with Bay Area non-profit lenders and the California Healthy Nail Salon Collaborative from a grant they received from the Environmental Protection Agency. Our goal is to have five salons sign up for the microloan helping them become healthier nail salons.
- TOXICS REDUCTION: 52 furniture retailers in San Francisco have now pledged to sell furniture that is free of chemical flame retardants, out of approximately 170 furniture retailers in the City. We are working toward a goal of 50 pledged retailers. There are total of 189 furniture retailers in California who have pledged to sell furniture that is free of chemical flame retardants.
- TOXICS REDUCTION: Ongoing outreach to small and medium businesses throughout San Francisco about hazardous waste disposal and the Very Small Quantity Generator Program which allows qualifying businesses to properly dispose of hazardous waste. So far, Environment Now has interacted with 53 business owners in the last two months.
- ENERGY: Staff worked with Ryder Transportation to adopt Renewable Diesel (RD) at its San Francisco fueling station, which dispenses 15,000 gallons per month (gpm) to its leasing customers. Ryder will likely expand to their Hayward and San Jose facilities, which collectively dispense 65,000 gpm. This work was initiated by a request from Earl's Organic Produce (who leases vehicles from Ryder) to staff in assisting them in adopting RD in their leased truck fleet.
- ENERGY: Staff participated in "Learnings from the South Airport Blvd Hydrogen Fueling Station Project," a meeting organized by the Hydrogen Safety Panel (HSP) to obtain feedback from code officials and project proponents about the operation of the hydrogen fueling station near SFO. The meeting was attended by HSP, the CEC, Governor's Office of Business Development, the station developer, and South San Francisco code officials. This convening supports deliverables in SFE's USDOE Hydrogen grant which is working to streamline permitting and inspection processes for hydrogen fueling stations throughout the Bay Area.
- ENERGY: Staff participated in BOMA's member open house reaching 40 attendees. These community outreach events reach business owners and property managers to procure SFEW program leads.
- ENERGY: Staff collaborated with TOXIC/GREEN BUSINESS team on identifying businesses that are members of Fisherman's Wharf Community Benefit District (FWCDB). The goal is to prioritize constituents for SFEW program engagement. In total, 264 businesses were identified as potential SFEW targets (about 80% of FWCDB members). FWCDB is reviewing 264 businesses to identify how many of those they have current contact information for. FWCDB will then work with SFEW to make introductions (email, site visits or arranging a meetings).
- ENERGY: SFEW staff attended the Interfaith Council's Breakfast which had approximately 50-70 attendees. Staff networked with attendees and reconnected with 2 old projects and 2 new congregations.
- ENERGY: SFEW staff attended the Small Business Council of Merchant Association's awards ceremony. At this event staff spoke about the SFEW program with Presidents of multiple Merchant Associations including the Fillmore, Noe Valley and Bernal Heights associations. Staff

will schedule follow up presentation on the SFEW programs at their individual meetings. Staff were also introduced to new small business owners including startups.

- ENERGY: Energy Efficiency Program Administrators were directed by the CPUC to develop and submit new Business Plans that explained at a high level how they would plan to align and support the State's Energy Efficiency Strategic Plan. Staff worked with ABAG to expand the BayREN program through the submittal of a BayREN Commercial Business Plan in January. A long-awaited response from the CPUC was issued via a Scoping Memo on April 24, 2017. This memo sets the perimeters on how the Commission plans to weigh the merit of each plan to form a decision to allow Program Administrators to move forward with their Plans in 2018. The memo included nearly 300 questions to all Program Administrators. BayREN received 10% of the questions, and answers from the Department are due May 15, 2017. ENERGY and CLIMATE staff are preparing the response.
- ENERGY: Related to the item above, staff continued to participate, as a core member, in the California Energy Efficiency Coordinating Committee. This Committee was developed per the direction of the CPUC in 2016 to oversee the process that led to development of Energy Efficiency Program Administrators' Business Plans.

### City Department Programs

- ZERO WASTE: Met with The Arc of San Francisco to discuss implementing a training program for client/employees, and improving and expanding zero waste services they provide to city departments. Established protocol, processes and waiver requirements for the Package-Free Water Ban with Rec & Park, Port, San Francisco Municipal Transportation Agency, Entertainment Commission and Department of Public Health. Finalized carpet regulations for Environment Code Chapter 7, that included recycled content and recycling requirements. Conducted site visits at Sunset, Minnie & Lovie Ward, Gene Friend, Hamilton, Tenderloin, Potrero and Harvey Milk 7 recreation centers, made recommendations for improvement, rolled-out new recycling and composting bins, smaller trash bins and better signage. Presented to 162 employees from Department of Public Health, Department of Emergency Management, Human Services Agency and SFE on zero waste.
- GREEN BUILDING: New LEED certifications this reporting include SFO Security Access and US CBP Offices, and 1155 Market Street-Floors 1,2,3,4,5,7,8 which are all now LEED Gold certified. To date there are 53 SF municipal buildings that are LEED certified totaling 7.3 million square feet.
- GREEN BUILDING: Municipal LEED projects certified during Fiscal Year 2017 diverted 93% of Construction and Demolition Debris (6808 tons) from landfill.
- GREEN BUILDING: 53 LEED certified municipal construction projects average 27% energy savings over the minimum building code requirements.
- GREEN BUILDING: Municipal Green Building Task Force recommended 2 green building requirements waiver requests for approval: GSA shops at Toland and Selby - both of which were granted by Director Raphael.
- GREEN BUILDING/CLIMATE: Staff coordinated review by key staff of the Mission Rock Sustainability Strategy and submitted review comments to OEWD; attended follow up meeting with Port, Planning, and project sponsor to discuss integration of recommendations.

- CLIMATE/ENERGY/TOXICS/GREEN BUILDING: Staff continue to participate in the SF Port's Waterfront Land Use Plan Update, including attending Steering Committee meetings, Subcommittee meetings and public workshops, and providing review and comment on proposed policy language.
- CLIMATE/ENERGY: Staff attended a Mayor's Office-sponsored San Francisco District Energy and Water Workshop where City departments and private developers shared knowledge, best practices, benefits, and models for district scale system implementation.
- TOXIC REDUCTION: Staff coordinating with New York City, Contra Costa County, Boston and other stakeholders to push for legal path for using dry ice for rat control in urban areas - an effective alternative that does not endanger wildlife.
- TOXICS REDUCTION: Completed bid process (with Office of Contract Administration) for new citywide IPM services contract - now being awarded.
- TOXICS REDUCTION: Held annual IPM & pesticide safety trainings for SFPUC and Rec Park employees - about 300 trained.
- TOXICS REDUCTION: Finalizing regulation for environmentally preferable carpeting, and finalizing specifications for new citywide lighting contract.
- TRANSPORTATION: Staff presented to new employees and tabled at the City's Fitness Fair.
- ENVIRONMENTAL JUSTICE: Staff working with Department of Public Health and Public Works to address illegal dumping in Bayview, and supported San Francisco Public Works' removal of 488 tons of abandoned materials from an undeveloped open space area at the end of Van Dyke Avenue in Bayview, near Yosemite Slough.
- ENERGY: Staff organized kick off meeting with SFPUC, SFUSD, Human Services Agency and Department of Emergency Management to discuss the installation of energy storage at Thurgood Marshall High School (TMHS). This group is engaged in project planning to ensure that the power generated by the system is accessible and gets used during an emergency. The site was selected by the SFPUC to host the battery storage pilot because it's designated as community refuge site, and already has a 87 kilowatt solar array. Additional attributes include completed modernization upgrades including seismic (auditorium), a new roof with solar, new field surface, ADA compliance. Goal is to complete the system design in summer 2017 with installation in early 2018. Work is supported by the USDOE Solar + Storage grant.
- ENERGY: Staff convened interdepartmental stakeholders (SFO, Real Estate, MTA, TIDA, ADM, etc.) to identify BAAQMD Charge! eligible projects. The BAAQMD Charge! program provides funding for publicly accessible EV charging stations. Due to limiting requirements tied to the funding (e.g., chargers must be publicly accessible 365 days/year, at least 8 hours a day), the Treasure Island Development Authority was the sole City department / agency to pursue this funding opportunity. Staff worked with TIDA and BAAQMD to outline proposal development next steps.

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

- ZERO WASTE: Worked with Outreach and Mayor's Office to submit letters of support for AB 319 regarding bottle lid leashes and AB 1158 regarding carpet stewardship reform. Participated in

a working group with the California Product Stewardship Council, Californians Against Waste, CalRecycle and carpet recyclers, and made recommendations for amendments to AB 1158 to improve carpet recycling in California. Met twice with Supervisor Fewer's office, Recology and Public Works to discuss litter related policies and programs, and prepare for a hearing on the subject. Met with Supervisor Fewer, along with Clean Water Action and Upstream who proposed a disposable cup reduction policy in part to address the Supervisor's litter concerns. Signed onto group letter opposing AB 1659 regarding industry sham foodware "stewardship" and sent letter of support on SB 705 regarding a polystyrene foam foodware ban.

- GREEN BUILDING: LEED v4 Gold amendment to San Francisco Environmental Code Chapter 7 became effective April 17, 2017. Includes provisions for Zero Net Energy and Solar plus Energy Storage.
- GREEN BUILDING/CLIMATE: New residential PACE resolutions to opt-into three new programs and sign-on to ABAG's Regional Collaborative Services Agreement was introduced to the Board of Supervisors (sponsored by Mark Farrell).
- TOXICS REDUCTION: Submitted first Biennial Report on Implementation of the 2015 Safe Drug Disposal Stewardship Ordinance to the Board of Supervisors.
- ENERGY: The Board of Supervisors unanimously approved the EV Readiness Ordinance and Mayor Lee signed the legislation.
- ENERGY: Staff supported requests from Supervisor Tang's office to assist in the revision in a Budget and Legislative Analyst report that outlined the costs associated with the Supervisor's EV Fleet Ordinance.
- ENERGY: Staff worked with the City Attorney's office on comments related to the PG&E Diablo Canyon proceeding at the CPUC. PG&E is proposing to develop a new energy efficiency program, outside of the energy efficiency Business Plan proceeding noted above, with over \$1 billion investment. Comments to the CPUC proposed that any energy efficiency related program design under the Diablo proceeding should be moved to the energy efficiency proceeding as a parallel energy efficiency program designed and implemented by PG&E is a conflict of interest.

### **Press and Media Highlights**

- ZERO WASTE: Interviewed by the Arizona Republic newspaper on San Francisco's zero waste program.
- ENERGY: Mayor Lee, Supervisor Katy Tang, and the Department hosted a press conference at the end of February announcing the introduction of the EV Readiness Ordinance. ([SF Examiner](#), [SF Gate](#), [KTVU](#), [NTDTV](#))
- CLIMATE: Debbie was interviewed by the Associated Press in response to President Trump's Executive Orders to scale back environmental regulations. ([USA Today](#))
- CLIMATE: Mayor Lee announced that San Francisco reduced greenhouse gas emissions by 28% from 1990 levels. ([CBS](#), [Hoodline](#), [Bay City News](#))

- EARTH DAY/ENERGY: Mayor Lee reaffirmed San Francisco's commitment to taking bold climate action and announced a new goal of reaching 50% renewable energy by 2020. ([ABC 7, SF Chronicle](#))

### **Staff Changes & Programs**

- OUTREACH/ENVIRONMENT NOW: Doug Streblov was hired as the new Environment Now Coordinator.
- TOXICS REDUCTION: Mei Ling Hui (Urban Forestry Coordinator) accepted position at Recreation and Parks Department as their Urban Agriculture Coordinator. The Department is working actively to hire a replacement.
- ENERGY: Jessica Tse was hired as the new Distributed Energy Resources Coordinator

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

- ENERGY: Contract with Newcomb Anderson and McCormick (NAM) fully executed. NAM provided professional services to support implementation of the SFEW program.
- ENERGY: As needed contract with Arup fully executed. Arup provides professional services to support SFEs USDOE Solar + Storage grant work.
- ZERO WASTE: Released RFP to select grantees to support the City's Zero Waste goals.

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

- ZERO WASTE: Met with a representative from an East Timor refuse collection NGO and the City of Portland, OR to discuss San Francisco's zero waste program. Presented at UC Berkeley law school. Toured Strategic Materials new glass recycling facility in Fairfield and Napa Compost facility. SC
- CLIMATE/ENERGY: Staff attended the California-China Collaboration on Clean Air and Climate Change which served as launch for the report: [A Clear Opportunity: U.S.-China Collaboration on Clean Air](#).
- CLIMATE/ENERGY: Staff was invited to participate in the Founding Meeting for UNLEASH event, which aims to bring 1000 young global talents to address the UN's Sustainable Development Goals. The meeting gathered different academic, public and corporate representatives to explore San Francisco as a host city, as well as potential themes for UNLEASH 2018.
- CLIMATE/ENERGY/OUTREACH: Staff attended Environmental Science Associate's Forum on Planning and Climate Change which analyzed (1) best practices in community planning, (2) how to streamline CEQA review for development projects into a city's Climate Action Plan, and (3) funding opportunities to address challenges.
- COMMUNITY RELATIONS: Staff presented to 6 international delegations, including
  - Goldman Prize winner and team from Slovenia.
  - Netherlands to discuss zero waste strategies and technologies.
  - Two French delegations interested in energy policies and overall CCSF climate work
- COMMUNITY RELATIONS: Staff introduced the film "An Inconvenient Sequel" at private screening for Bay Area policy makers.

- COMMUNITY RELATIONS: Staff presented on the City's the 0-50-100-Roots Climate goals at the final film of SF Green Film Fest.
- DIRECTOR: Director Raphael spoke at the monthly breakfast of the SF Interfaith Council and promoted the Department's comprehensive 0-50-100-Roots support for Faith Based Organizations.
- GREEN BUSINESS: Staff presented at the California Green Business Network meeting on SF Green Business proposed tiered certification standards.
- TRANSPORTATION: Department participated in San Francisco's Walk to Work day, and encouraged staff to walk at least 15 minutes of their commute. To facilitate, Department Walking Champions gathered colleagues at four locations throughout the city so groups could walk in together. Over 30 employees walked, accounting for over 25% of the department.
- ENERGY: Staff participated in an invitation only workshop hosted by the California Department of Transportation entitled "Learning from California: Alternative Fuels, Vehicles, and Infrastructure". The workshop objective was to highlight best practices and emerging technologies in California, and was attended by other state and local government agencies. Among the topics discussed were alternative fuels policy drivers, aggregated procurement, EV consumer research and coordinated infrastructure planning.
- ENERGY: Staff attended the annual, invitation only, California Energy Storage Alliance Forum in Berkeley. This event brings together 200 executives and key decision-makers for an intimate meeting focused on growing the ecosystem for grid-connected energy storage in the state.
- ENERGY: Staff presented at the Young Professionals in Energy convening. A total of 50 attendees learned about the City's work on Distributed Energy Resources.
- ENERGY: Staff attended the Local Government Sustainable Energy Coalition's quarterly meeting.
- ENERGY: Staff attended a two-day conference on the Cannabis Industry Energy Challenge, A Utility View of Cannabis Industry Energy Issues. Participation was enabled by Strategic Energy Resource funding via the SFEW partnership with PG&E. Recreational use of cannabis will be legal in January 2018 and the Mayor's office is in the process of developing local licensing regulations. Staff is working to understand the potential energy impacts of indoor cultivation and extraction businesses so that we can serve this new business sector.
- OUTREACH: Mayor's Earth Day Breakfast 2017 - Celebrating 20 Years of the Commission on the Environment. Theme: Resiliency in San Francisco - symbolized by the California Poppy breaking through concrete. It was an elegant, moving and charged event that was attended by almost 300 guests including a dozen elected officials. In addition to Mayor Ed Lee and Debbie Raphael celebrating the Commission on the Environment's leadership and the need for continued environmental action in San Francisco, guest speaker Congressman Pete McCloskey entertained the crowd with a rousing story about the creation of Earth Day here in San Francisco. The Commission on the Environment received a resolution from Assembly Member Phil Ting for their service and "California Rising" artwork by local artists from 3 Fish Studios

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

- CLIMATE: Staff wrapped up its Civic Bridge Project coordinated by the Mayors' Office on Civic Innovation (MOCI). This private-public partnership helped build staff capacity and optimize climate workflows. Staff teamed with Google to optimize their GHG inventory data collection, analyzing and reporting procedures and improve SFEs municipal and community-wide climate action engagement model in which staff is currently implementing. On March 2, 2017 staff gave a presentation of their results to Mayor Ed Lee. The staff is currently working to present and share findings with peers and other local jurisdictions in the SF-Bay Area, California, and other major cities globally through peer networks.
- CLIMATE: Staff worked closely with Google since October to optimize their GHG Inventory data process and produce a new model on how to engage departmental and community-wide stakeholders. The project was coordinated through MOCIs Civic Bridge program. The staff has implemented or is currently implementing and operationalizing Google's recommendations. Most recently, staff have completed an emissions dashboard which helps the Department better communicate City emissions (discussed further below). The project capstone was a presentation at City Hall on March 2, 2017 to the Mayor, other departments and partners from the non-profit and business community. Staff is currently working on a replicability strategy by sharing best practices with counterparts in other local governments.
- CLIMATE and OUTREACH: Launched a new, easy to use community-wide emissions inventory dashboard that allows easy access to the City's emissions data and on the fly data visualization that was developed with a City Performance Team.
- GREEN BUILDING: City-wide, 463 buildings are now LEED certified totaling 106.5 million square feet.
- CLIMATE: Staff worked with a volunteer intern to complete and submit the City's annual voluntary climate action reporting to C40 and the Global Covenant of Mayors.
- CLIMATE: San Francisco was selected to receive direct technical assistance from C40 to help better understand how increasing bikeability will serve to achieve important citywide emissions, sustainability, public health and safety, livability and economic vitality goals.
- OUTREACH: Completed a successful Earth Month building social media content throughout April. Posted over 30 posts throughout the Earth Day Weekend reminding residents what steps they can take to help the environment. Examples include safe medicine disposal, textile recycling, 0-50-100-Roots climate actions, SFPlantfinder, pollinator gardening, etc. Attended and posted from the Mayor's signing of the EV Readiness Ordinance. Also supported the School Education Awards on May 3 sharing content throughout the day from our #EcoHero schools.
- OUTREACH: Increased webpage SFEnvironment.org's usability by creating short URLs and updating high-traffic pages with improved URLs.
- EQUITY/DIVERSITY/INCLUSION: In keeping with the Department's commitment to support Green 2.0 and the City's efforts in the area, selected staff continue to participate in the yearlong Racial Equity training program to learn how to advance racial equity through the Department's policies, programs, practices and budget decisions.

## **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  
EV: Electric Vehicle  
FAA: Federal Aviation Administration  
FCEV: Fuel Cell Electric Vehicles  
GHG: Green House Gas  
HOPE SF: Housing Opportunities for People Everywhere, San Francisco  
ILG: Institute for Local Governments  
IOU: Investor Owned Utility  
IPM: Integrated Pest Management  
HERO: Home Energy Renovation Opportunity  
LEED: Leadership in Energy and Environmental Design Green Building Rating System  
LGC: Local Government Commission  
LGSEC: Local Government Sustainable Energy Coalition  
NCRA: Northern California Recycling Association  
PACE: Property Assessed Clean Energy  
PEV: Plug-in Electric Vehicle  
PV: Photovoltaic  
RAD: Rental Assistance Demonstration  
SFEECC: SF Energy Efficiency Coordinating Committee  
SFEW: SF Energy Watch  
SFO: SF International Airport  
SFMTA: SF Municipal Transportation Agency  
SFPUC: SF Public Utilities Commission  
SFPW: SF Public Works  
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

