

Sustainable City Action Plan

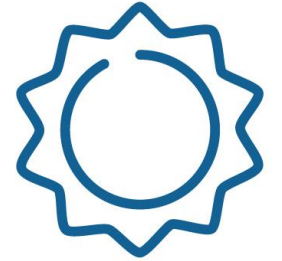
10 Year Report – Preliminary Results
Sustainable City Commission
1/28/21



Buildings &
Neighborhoods



Water



Energy &
Climate



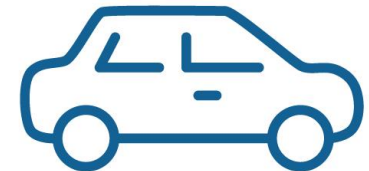
Waste
Reduction



Urban Nature



Green Economy



Transportation



Buildings & Neighborhoods

SCAP Goals

- 100% of major city facilities are LEED certified (or equivalent) by 2020

Accomplishments

- 9 City Projects:
 - Mark Twain Branch Library
 - Long Beach Fire Station No. 12
 - Gas and Oil Engineering Building
 - Long Beach Airport Terminal Improvements
 - Orizaba Park Community Building
 - Michelle Obama Library
 - Long Beach Main Library
 - City Hall
 - Houghton Park Community Center
- 10 POLB Projects

SCAP Goals

- At least 5 million square feet of privately developed LEED certified (or equivalent) green buildings by 2020
- Double the number of LEED accredited professionals (or equivalent) in the City and community by 2012

Accomplishments

- As of 2020 there are 11,519,016 square feet across 95 LEED certified projects
- There are 221 people currently certified within the Long Beach community

SCAP Goals

- Create at least 6 new community gardens by 2012
- Plant at least 10,000 trees in Long Beach by 2020

Accomplishments

- 6 new community gardens and 5 teaching/therapy gardens were opened between 2010 and 2020
- Neighborhood Services has planted 6,726 trees through *I Dig Long Beach*
- Sustainability programs have planted 2,296 street trees and fruit trees



Energy & Climate

SCAP Goals

- Reduce GHG emissions from City facilities and operations by 15% by 2020
- Reduce community natural gas use by 10% by 2020

Accomplishments

- 16% reduction between 2008 and 2015
- Natural gas usage is up 2% since 2010

SCAP Goals

- Facilitate the development of at least 2 Megawatts (MW) of solar energy on City facilities by 2020
- Facilitate the development of at least 8 Megawatts of solar energy within the community by 2020

Accomplishments

- Solar installed at new Civic Center totaling 930 KW
- City entered PPA for 3 MW on Convention Center. Separate PPA for 10 City facilities totaling 6MW to be installed by Q3 2021
- 44 MW of solar energy are currently installed in Long Beach



Green Economy & Lifestyle

SCAP Goals

- Enroll 100 green businesses in the Long Beach Green Business Certification Program by 2012

Accomplishments

- 169 businesses were enrolled in the new Green Business Program by the end of 2020. 52 businesses have been certified, and 3 recognized at the Efficiency level



Transportation

SCAP Goals

- Increase the average fuel efficiency of the gasoline-powered City fleet to 35 mpg by 2020
- 100% of the city fleet is alternative fuel and/or low emission by 2020
- Reduce vehicle emissions by 30% by 2020

Accomplishments

- The Average 2020 MPG of the City Fleet: Pending data
- Alternative fuel vehicles in City's motorized Fleet: 47.6%
- Electric Vehicles: 66
- Electric Vehicle Fleet Charger count in 2020: 80
- There was a 49% reduction in GHG emissions in City Fleet between 2010 and 2020

SCAP Goals

- Increase city employee average vehicle ridership to 1.5 by 2012
- Increase bike ridership from 1% to 10% by 2016

Accomplishments

- The City's Employee Commute Reduction Plan was introduced in 2017 creating a \$30/month incentive for alternative transportation
- 21% of City Employees arrived at work by ZEV, walking, biking, transit, or carpool
- 171 City Hall employees are members of the bike storage room
- Bike share was launched in 2016 and shared e-scooters were launched in 2018
- City employees get a \$5 per month discount on bike share

SCAP Goals

- Create a system of at least 200 miles of interconnected bike routes (Class 1-3) by 2020

Accomplishments

- Total bicycle facility mileage is currently 168 miles, including 13.6 miles of protected bike lanes (Class IV)
- The 2017 Bicycle Master Plan was adopted by Council with a focus on creating a connected bike network for people of all ages and abilities
- The 2020 Safe Streets Long Beach Action Plan was adopted by Council to eliminate serious injury collisions and fatalities on Long Beach roadways

SCAP Goals

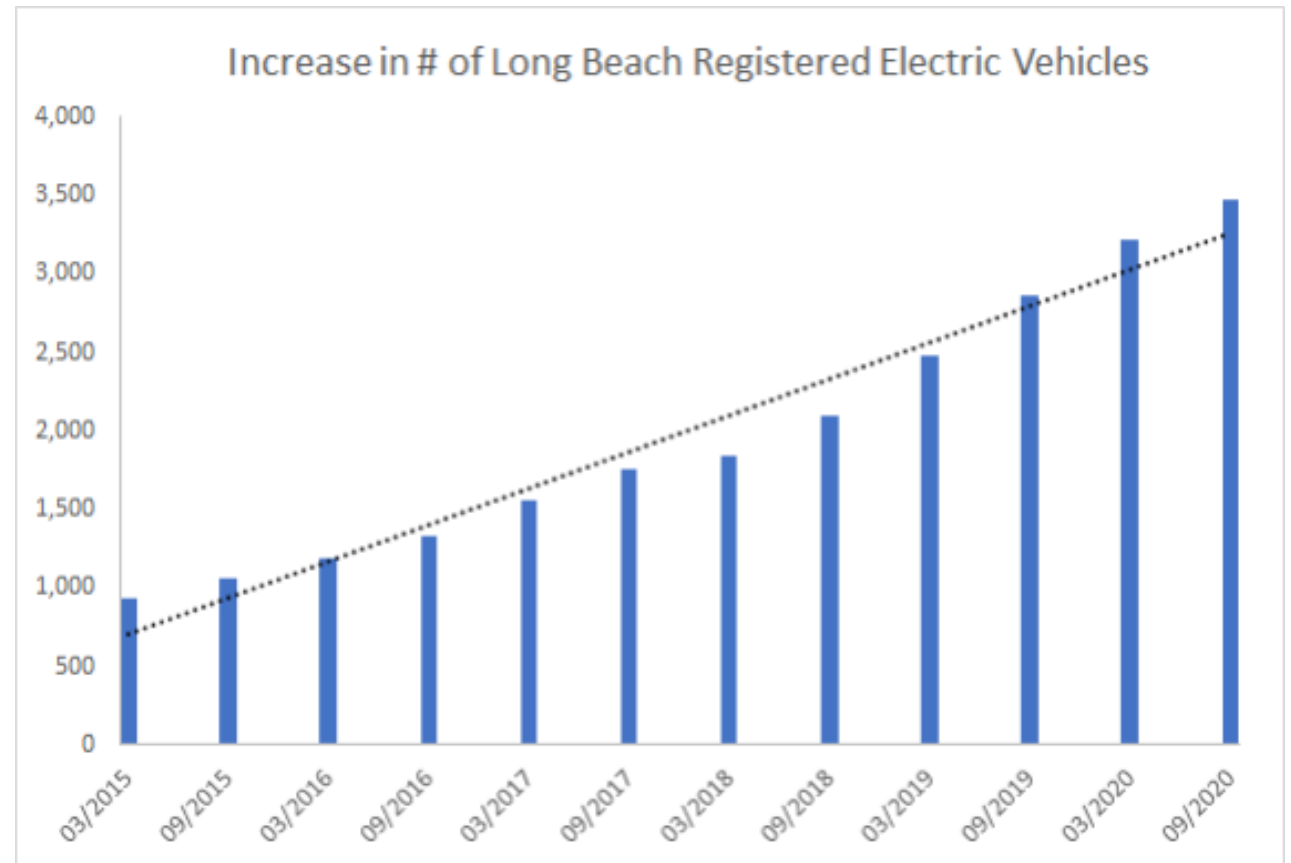
- Reduce future port-related emissions by:
 - 47% reduction in DPM,
 - 45% reduction in NOx, and
 - 52% reduction in SOx

Accomplishments

- Between 2005 and 2019, there have been these decreases:
 - PM10 (87%)
 - PM2.5 (86%)
 - DPM (88%)
 - NOx (58%)
 - SOx (97%)
 - CO (39%)
 - HC (59%)
 - CO2e (19%)

Additional Accomplishments

- EV ownership has increased in Long Beach
- EV Charging Infrastructure Ordinance passed in 2016 requiring more EV ready parking spaces in new development
- 180 EV chargers installed by the City of Long Beach





Urban Nature

SCAP Goals

- Convert 1,200 front yards to native or edible landscape by 2016

Accomplishments

- 3,600 landscapes transformed across the city. 3.6 million square feet of turf removed
- 50 parkways converted across the city; 19,000 square feet of parkway grass replaced native plants
- 3 landscapes transformed in disadvantaged communities in North Long Beach through the DIG program

SCAP Goals

- Create 8 acres of open space per 1,000 residents by 2020
- Train 500 Habitat Stewards by 2016
- Establish one or more Nature Centers along the L.A. River by 2016

Accomplishments

- Current ratio is 5.78 acres/1,000 increased from 5.66 acres/1,000 in 2001
- 255 Habitat Stewards have been trained since 2003
- DeForest Park wetlands were restored in 2018 with a nature center facility planned

Additional Accomplishments

- Willow Springs restoration opened 12.5 acres of coastal sage scrub and riparian habitat open space in 2017
 - Sustainability Operations Yard was established in 2010 as base for the mulch program, tree plantings, educational workshops and green job training programs
 - Edible Garden and Native Plant Workshops went virtual in 2020
 - Monthly volunteer engagement events hosted at Willow Springs until paused by COVID-19
- The UAIZ program launched in 2018, currently there are 2 vacant lots under contract for urban agriculture



Waste Reduction

SCAP Goals

- Annual reduction in average pounds of solid waste generated per person per day

Accomplishments

- City of Long Beach residents generated 4.3 pounds of waste per person per day. This number has increased since 2010, but is still below the state mandated maximum of 7.6 pounds of waste per person per day

Additional Accomplishments

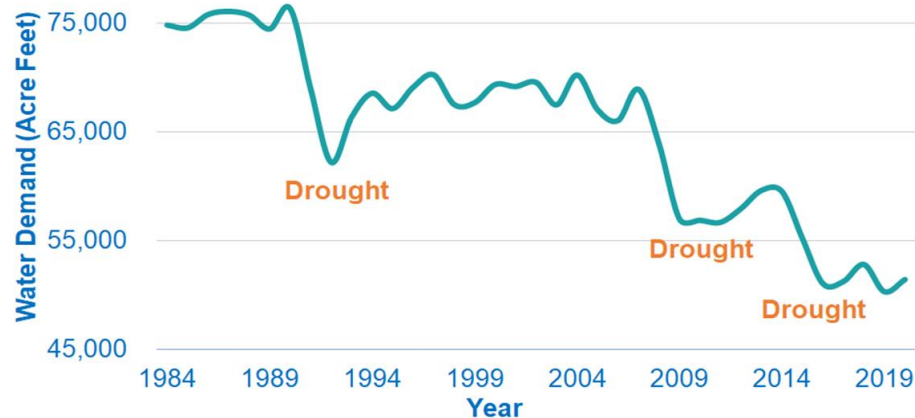
- ESB, in partnership with Energy Resources and the Water Department, developed and implemented K-8 school assembly program focused on resource conservation in 2019. This partnership reached 18,070 students, 686 teachers at 47 schools in 199 performances
- Compost workshops held since 2015 have taught over 1,350 residents to recycle food waste at home. In 2018 compost workshops were offered also in Spanish.
- Workshops expanded in 2020 to include Waste Reduction, DIY Green Cleaning, and Recycling 101. All workshops are presented in English and Spanish
- EDCO began monthly Household Hazardous Waste Collection Events in 2013, expanding to twice monthly in 2017. The program has collected 5,567,056 pounds of hazardous waste from residents across LA County



Water

SCAP Goals

- Reduce per capita use of potable water, exceeding the state mandate to achieve a demand reduction of 20% in per capita water use by the year 2020



Achievements

- 70 restaurants certified through Certified Blue Restaurants Program, 100 pre-rinse spray valves installed, 261 kitchen aerators installed, 140 bathroom aerators installed
- DIME Program completed 750 retrofits in multifamily dwelling units in disadvantaged communities across the city. Replaced 880 toilets, 752 showerheads, 1,260 faucet aerators, and 70 communal clothes washers

Additional Accomplishments

- Low Impact Development Policy adopted to require rainwater capture or infiltration designs in new development and major building additions
- Hosted 5 Rain Barrel events with Rain Barrels International during which 389 rain barrels were purchased by LB Residents



Thank You!
Questions?