

# Department of Public Works: Environmental Services Bureau, Waste Diversion & Recycling Division

Long Beach Sustainable City Commission January 27, 2022



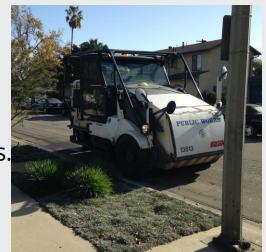
#### **Presentation Overview**

- Environmental Services Bureau and Waste Diversion and Recycling Division Overview
- Waste Diversion and Recycling Division 2021 Highlights
- SB 1383 Overview
- SB 1383 Implementation Efforts
- Priorities for 2022

#### **Environmental Services Bureau (ESB)**

#### What is ESB?

- Provides direct services for:
  - Refuse to all single-family homes and some commercial & multifamily properties.
    - Food Scraps Only Pilot Program for Commercial accounts
  - Manages contract for recycling for all city-serviced accounts.
  - Street Sweeping and Parking Enforcement.
  - Citywide Clean Team program.
- Manages Private Waste Hauler Contracts
  - Services commercial and multi-family locations for trash, recycling, and organics.
- Work to comply with State laws.
- Lead City-wide efforts to reduce waste and implement programs and policies to work towards achieving zero waste.











## Waste Diversion and Recycling Division

- Implement State laws and report annually to CalRecycle.
- Administer City Serviced Residential Recycling Contract and the Citywide Commercial nonexclusive franchise agreements for the collection of recycling, organics and solid waste.
- Develop & implement City's Residential recycling, organics, waste reduction and household hazardous waste programs.
- Provide public outreach and education to residents, businesses, schools and City staff.
- Implement City polices to reduce waste, such as the Expanded Polystyrene Ordinance.





## Continuation of Recycle Right Campaign







### Recycle Right



**YES: RECYCLE** these items in your purple recycling cart. Place directly into cart. Do not put in plastic bags.

#### Plastic Bottles, Jugs and Tubs

Bottles: Water, Soda, Juice

Jugs: Laundry Detergent, Milk

Tubs: Margarine, Yogurt, Sour Cream

Lids on!

#### **Metal Cans and Aluminum**

Cans: Soda, Soup, Meat, Juice, Vegetable, Pet Food, Aerosol (tip removed)

Aluminum: Trays, Pie Tins, Clean Foil

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#### Paper and Cardboard

**Paper:** Newspapers, Magazines, Catalogs, Brochures, Office, Envelopes

Cardboard/Boxes: Cereal, Shoe, Tissue, Shipping Boxes, Paper Tubes

Flatten Boxes!



#### Glass Bottles and Jars

**Bottles:** Wine, Beer, Oil, Soda **Jars:** Sauce, Pickle, Preserves





**ONLY REFUSE** goes in your gray refuse cart. No recyclables or hazardous waste.

#### Refuse/Trash



Plastic and Plastic-Lined Cups, Plates, Containers



Plastic Bags, Plastic Wrap, Snack Bags, Candy Wrappers



Beverage and Food Cartons, Pouches, Freezer Boxes



Padded Envelopes, Foam Packaging Material



Plastic and Foam Containers, Utensils, Cups, Lids, Straws, Compostable Plastics



Diapers, Pet Waste



Hoses, Wires, Cords, Hangers, Strapping



Ceramics, Broken Glass



#### LB Recycler

#### Launched 2021







## Virtual Workshops

## Waste Reduction and Recycling Public Education

- Topics:
  - Composting at Home
  - Do It Yourself (DIY) Green and Safe Cleaning
  - Recycle Right LB
  - Reduce Waste at Home: Kitchen Edition
  - Reduce Waste at Home: Holiday Edition
- Reached 251 people in CY 2021

#### VIRTUAL WORKSHOPS

Recycling, Waste Reduction, and More!



The City of Long Beach Environmental Services Bureau (ESB) is hosting free virtual workshops to help residents reduce waste and recycle right.

Register now: longbeach.gov/lbrecycles

#### **Workshops Offered**

Composting at Home:

Learn how to turn your food scraps and yard debris into a valuable soil amendment for

your garden or landscap

Do It Yourself (DIY)
Green & Safe Cleaning

Recycle Right LB:

Learn how to make non-toxic cleaning supplies with safe, natural ingredients while

Learn about the City's curbside recycling program! We'll teach you what can and cannot be recycled and how to prepare your trash and recyclables.

Reduce Waste at Hon Holiday Edition Celebrate sustainably this holiday season! We'll teach you how to reduce food waste, give gifts with little to no packaging, and sustainable ways to decorate your home for the holidays.

Reduce Waste at Home: Kitchen Edition

Learn strategies to reduce food waste and packaging

waste in the kitchen.

#### Workshop Schedule



Reduce Waste at Home: Holiday Edition Saturday, 11/6/21 Saturday, 11/13/21 Composting at Home Composting at Home Saturday, 1/8/22 Recycle Right LB Thursday, 1/13/22 Reduce Waste at Home: Kitchen Edition Thursday, 2/10/22 Composting at Home Saturday, 2/12/22 Composting at Home Saturday, 3/12/22 Do It Yourself (DIY) Green & Safe Cleaning Thursday, 3/17/22 Composting at Home Saturday, 5/14/22 Recycle Right LB Saturday, 5/21/22

21 10:00 am - 11:00 am
/21 10:00 am - 11:00 am
2 10:00 am - 11:00 am
2 6:00 pm - 7:00 pm
22 6:00 pm - 7:00 pm
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24 10:00 am - 11:00 am
25 6:00 pm - 7:00 pm
26 10:00 am - 11:00 am

10:00 am - 11:00 am

Have questions or need more information? Visit longbeach.gov/lbrecycles or call 562-570-2876



To request this information in an alternative format or to request a reasonable accommodation, please contact Department of Public Works at Ibrecycles@longbeach.gov or 562-570-2850. A minimum of three (3) business days is requested to ensure availability. Reasonable attempts will be made to accommodate requests made within less than three (3) business days.







## Food Scraps Only Commercial Pilot Program



- Initial pilot launch severely delayed due to impacts of Covid.
- Available to City-serviced trash customers.
  - City identified high generators of food scraps to participate.
- \*\*Customers with Private Hauler service, already have the service available to them.



#### **Business Outreach and Education**

#### May 2021

- City met with all pilot customers.
- City provided multi-lingual in person and virtual training.
- City staff delivered:
  - One (1) indoor container.
  - One (1) 95-gallon outdoor green collection cart.
  - Initial roll of clear bag for lining carts.
  - Multi-lingual educational materials.



## Food Scraps Commerical Collection Pilot Program

#### Commerical Pilot Began June 2021

- Wednesday & Thursday service days
- Approx. 110 service locations
  - Servicing approx. 130 restaurants/locations that generate food
- Material hauled to Puente Hills Material Recovery Facility
- Pilot length TBD





## Where Do Our Food Scraps Go?

#### Puente Hills Material Recovery Facility (MRF)

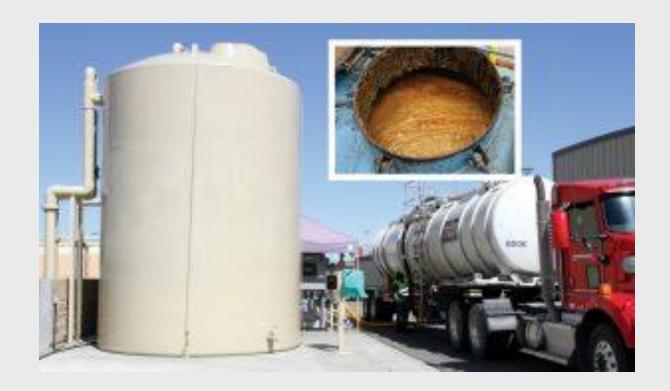
- Processes up to 30 tons per day (tpd) of source separated food waste.
- Contaminants are removed from food waste and created into a slurry.
- Delivers up to 165 tpd of slurry is to JWPCP.



## Where Do Our Food Scraps Go?

#### Joint Water Pollution Control Plant (JWPCP)

- Owned and operated by the Los Angeles County Sanitation Districts (LACSD).
- Converts slurry into renewable energy through anerobic digestion.
- Digests 300 to 550 tpd of source separated food waste.
- Produces 760,000 gasoline equivalent gallons of renewable natural gas per year.



## **Food Scraps Pilot**

#### **Program Status**

- The program continues to divert food scraps.
- As of 1/13/22, 145 tons have been diverted.
- LGX has onboarded all 6 of their restaurants and began participating in the program in the end of December 2021.
- City is in process of identifying next round of pilot customers.
- City staff continues to monitor containers for contamination and plans to provide another educational blitz to all customers in early Spring of 2022.



#### SB 1383 Overview

## Short-Lived Climate Pollutants: Organic Waste Methane Emissions Reductions

- SB 1383 is the most significant waste reduction mandate to be adopted in California in the last 30 years.
- Requires the state to reduce organic waste [food waste, green waste, paper products, etc.] disposal by 75% by 2025.
- Requires the state to increase edible food recovery by 20 percent by 2025.
- This has significant policy and legal implications for the state and local governments.





### SB 1383

#### City's Efforts towards Compliance

- Citywide Interdepartmental Task Force
- Contracted with Consultants to develop work plans for impacted Departments
- Lead a Study Session with City Council on 8/3/21
  - Reviewed requirements of the law
  - Highlighted lack of funding and infrastructure in the state to meet program requirements
- Developed and implemented required municipal code changes
  - First reading 11/16/21; Second reading 12/7/21
  - Municipal Code updated 1/1/22 to reflect the requirements of SB 1383 for managing organics and recycling.
- Developed and launched commercial food scraps pilot program
  - Supports both SB 1383 and AB 1826



### SB 1383

#### Timeline for full implementation

- City is developing a tentative timeline to fully implement SB 1383.
- City must implement several program and practices that do not have direct impacts on residents.
  - City hopes that most of these programs will be implemented by the end of 2022.
- City is working to estimate a timeline for the beginning of residential collection of food scraps and yard debris.
  - Challenges:
    - Limited infrastructure
    - Long timeline to obtain new trucks to provide the service
    - Ongoing staffing impacts due to Covid
    - Development of rate for service

## Waste Diversion and Recycling Division

#### **2022 Priorities**

- Continue efforts to implement SB 1383.
- Increase staffing to implement required programs due to SB 1383.
- Continue virtual bi-lingual workshops.
- Implementation of a Master Recycler and Composting Program
- Educate residents:
  - LB Recycler
  - Focus on Multi-Family properties through new education packet to be mailed
  - Increase followers and subscribers to our virtual platforms
- Increase partnerships with non-profits and local community groups









#### **Public Education - Virtual**

#### LB Recycles on Social Media

@LBRecycles followers:

f Facebook: 5,234

Twitter: 2,790

Instagram: 2,503





#### **Monthly EcoGuide**

The EcoGuide is a monthly newsletter to keep community members informed of upcoming events, service changes, waste reduction tips, and any other news from the Environmental Services Bureau.

- 9,170 subscribers
- 29% email open rate
- 4% click rate

