

# SB 1383

## Reducing Short-Lived Climate Pollutants in California

California Bioresources Alliance Symposium

November 19, 2021



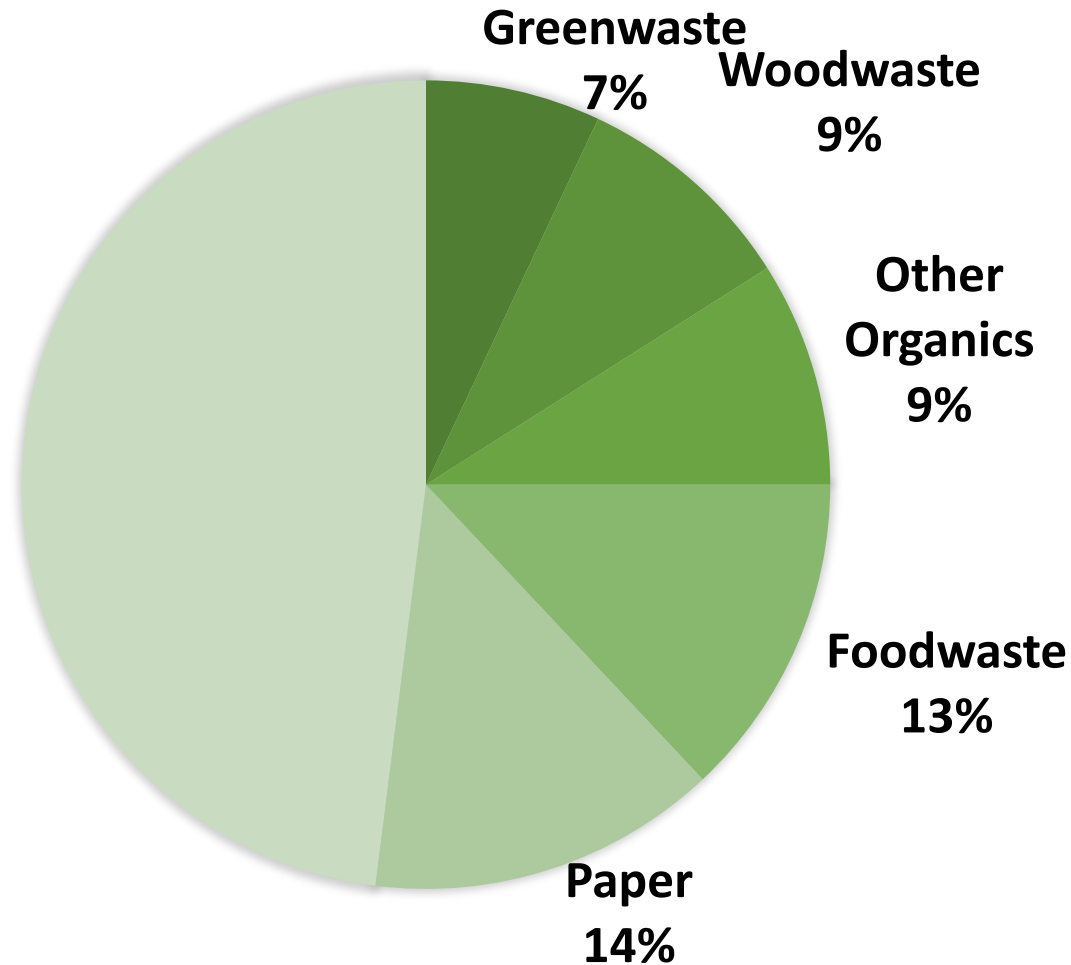
# Organic Waste Is the Largest Waste Stream in California

1 IN 5 CALIFORNIANS ARE  
**FOOD INSECURE**



Non  
Organic  
waste  
48%

**CALIFORNIA THROWS  
AWAY MORE THAN 6  
MILLION TONS OF  
FOOD WASTE EVERY  
YEAR!**



**CALIFORNIA  
DISPOSED OF  
APPROXIMATELY 24  
MILLION TONS OF  
ORGANIC WASTE IN  
2018**

# CLIMATE CHANGE NEGATIVELY IMPACTS CALIFORNIA

Landfilled Organic Waste Emits  
**Methane Gas—**  
**A Super Pollutant**  
More Powerful than CO<sub>2</sub>

Methane Gas Contributes to  
Climate Change in California



**CALIFORNIA**  
is already experiencing  
the impacts of  
**CLIMATE CHANGE**

IN 2015 THE DROUGHT COST THE  
AGRICULTURE INDUSTRY IN THE  
CENTRAL VALLEY AN ESTIMATED  
\$2.7 BILLION & 20,000 JOBS

# SB 1383 Requirements

**2020**

**50% REDUCTION IN LANDFILLED ORGANIC WASTE**  
(11.5 Million Tons Allowed Organic Waste Disposal)

**2022**

**REGULATIONS TAKE EFFECT**

**2025**

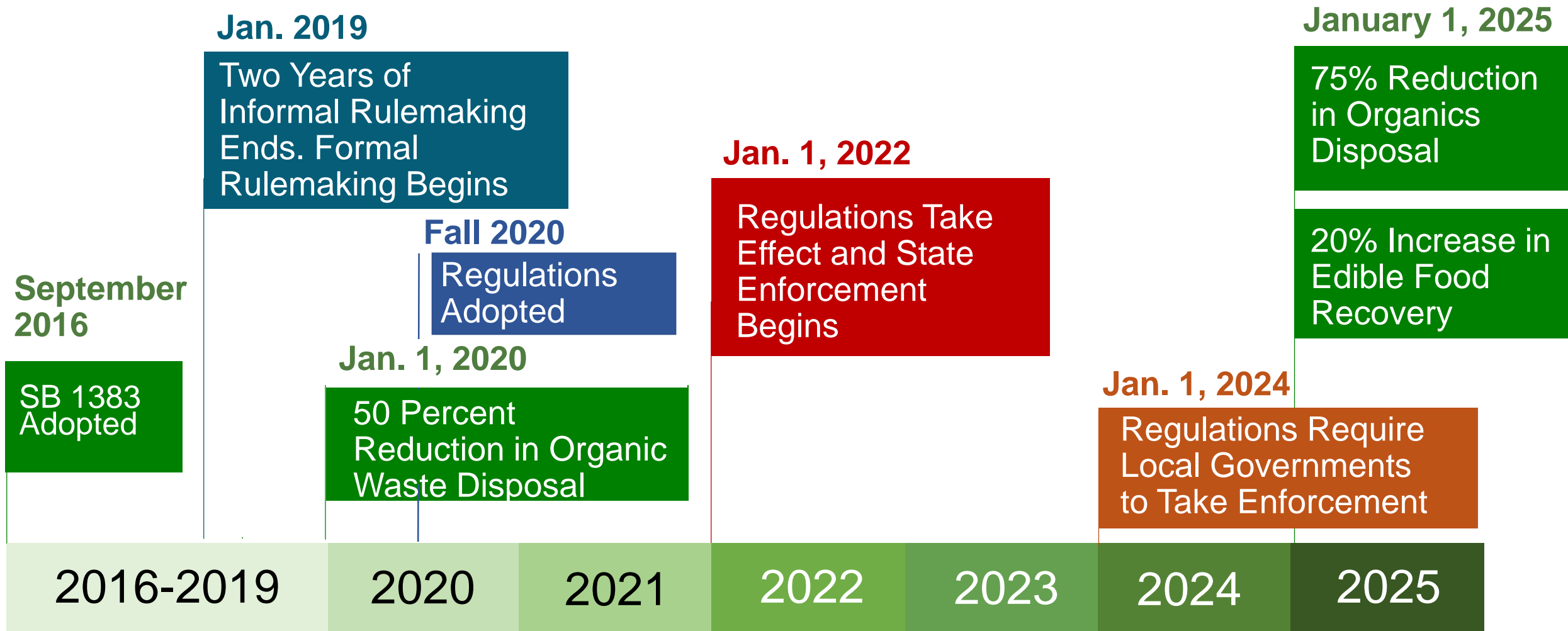
**75% REDUCTION IN LANDFILLED ORGANIC WASTE**  
(5.7 Million Tons Allowed Organic Waste Disposal)

**2025**

**20% RECOVERY OF CURRENTLY DISPOSED EDIBLE  
FOOD FOR HUMAN CONSUMPTION**



# SB 1383 Key Implementation Dates



# Article 2. Landfill Disposal and Reductions in Landfill Disposal

- Section 18983.1 identifies activities that constitute landfill disposal or reductions in landfill disposal
- Reductions in landfill disposal include:
  - Recycling Centers
  - Compostable Material Handling Facilities
  - In-Vessel Digestion Facilities
  - Biomass Conversion Facilities
  - Soil amendment for erosion control, revegetation, slope stabilization, or landscaping at a landfill
  - Land application
  - Animal feed

# Article 2. Landfill Disposal and Reductions in Landfill Disposal

- Section 18983.2 provides a pathway for technologies *not identified* in the regulations
- The process or technology must result in permanent life cycle emission reductions equal to or greater than composting (0.30 MTCO<sub>2</sub>e/short ton of organic waste)
- Examples of projects that may apply:
  - Pyrolysis
  - Gasification
  - Liquefiers
  - EMSW

# Application Requirements

- General Information
- Summary of project
- Mass of organic waste and end use
- Calculation of emission reduction factors
- Scientifically vetted supporting documentation



# RECOVERED ORGANIC WASTE PRODUCTS

Mulch



Renewable Fuel



Renewable Heat



Compost



Renewable Elec



Renewable Biomass



# PROCUREMENT OPTIONS

## Direct Procurement

Jurisdictions can procure recovered organic waste products directly for use or giveaway.



Compost for City-Managed  
Public Landscaping

RNG for City-Owned  
Vehicles

POTW Renewable Gas for  
On-Site Electricity Needs

## Procurement Does NOT Necessarily Mean Purchase!

Products could be sourced from a jurisdiction's organics recovery facility or received in another way (e.g., free delivery through a hauler contract).

## Flexibility in Product Source and Use

There are no requirements that products procured must be produced within your jurisdiction or from organic waste collected within your jurisdiction.

## Direct Service Provider

Jurisdictions can meet their procurement requirement by contracting with a service provider that uses recovered organic waste products like compost or renewable natural gas.



Waste Haulers

Landscape Services

Transportation Services

## This Can Be a Paper Transaction

Energy products may be procured “on paper,” e.g., a jurisdiction procuring from the grid without a physical connection to the eligible producer.



# UTILIZING RECOVERED ORGANIC WASTE PRODUCTS

## Compost & Mulch

- City Parks
- Landscaped Center Divides
- Community or School Gardens
- Erosion Control Along Roadways
- City Hosted Compost and Mulch Giveaways

## Renewable Fuel

- City-owned Vehicles
- Contracted Waste Haulers
- City Bus System

## Renewable Elec

- Organics Recycling Facility
- Buildings or Infrastructure
- Public Wastewater Treatment Plant

## Renewable Heat

- Space Heating
- Cooking
- Digesters



# Procurement of Renewable Gas

**“Renewable gas”** means gas derived from organic waste that has been diverted from a landfill and processed at an in-vessel digestion facility that is permitted or otherwise authorized by Title 14 to recover organic waste.



# TOOLS FOR JURISDICTIONS

## Procurement Calculator Tool

<b>PROCUREMENT TARGET &amp; PLANNING</b>		
<b>STEP 1: Jurisdiction Name and Reporting Year</b>		
Jurisdiction Name (City, County, or City and County):	Reporting Year:	
City of Los Angeles	2022	
<b>STEP 2: Annual Procurement Target</b>		
The jurisdiction population equals the number of residents in a jurisdiction, using the most recent annual population estimate. <a href="#">Click here for the jurisdiction population estimates from the California Department of Finance.</a>		
Description	Data	Unit
Jurisdiction Population:	4,040,079	Residents
Per Capita Procurement Target:	0.08	Tons of organic waste
<b>Procurement Target:</b>	<b>323,206.3</b>	<b>Tons of organic waste</b>

- Webpage Resources
- Case Studies
- FAQs
- More to Come!

## Model Procurement Policy

### MODEL RECOVERED ORGANIC WASTE PRODUCT PROCUREMENT POLICY

#### SECTION 1. PURPOSE

- A. It is the policy of the Jurisdiction, applicable to all departments and divisions, to incorporate environmental considerations including recycled-content and recovered organic waste product use into purchasing practices and procurement. This Recovered Organic Waste Product Procurement Policy (Policy) will help the Jurisdiction to:
1. Protect and conserve natural resources, water, and energy;
  2. Minimize the Jurisdiction's contribution to climate change, pollution, and solid waste; and,
  3. Comply with State requirements as contained in 14 CCR Division 7, Chapter 12, Article 12 ("SB 1383 procurement regulations") to procure a specified amount of Recovered Organic Waste Products to support organic disposal reduction targets and markets for products made from recycled and organic waste materials, and to purchase Recycled-Content Printing and Writing Paper and Paper Products.



HF&H Consultants

# THANK YOU!

## Resources:

SB 1383 Home Page:

<https://www.calrecycle.ca.gov/organics/slcp>

To stay up to date, sign up for CalRecycle's "Short-Lived Climate Pollutants (SLCP)" listserv:

<https://www2.calrecycle.ca.gov/Listservs/>

## CalRecycle Contacts:

SLCP Inbox: [slcp.organics@calrecycle.ca.gov](mailto:slcp.organics@calrecycle.ca.gov)





# Disclaimer

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