SB 1383
Reducing Short-Lived
Climate Pollutants in
California

CASA
January 21, 2021

An Overview of SB 1383’s
Organic Waste Reduction
Requirements
Organic Waste Is the Largest Waste Stream in California


CalRecycle

In California, millions are food insecure:

1 in 5 Californians

California throws away more than 6 million tons of food waste every year!
CLIMATE CHANGE NEGATIVELY IMPACTS CALIFORNIA

Landfilled Organic Waste Emits
Methane Gas—A Super Pollutant
More Powerful than CO2

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
<table>
<thead>
<tr>
<th>Year</th>
<th>Requirement Description</th>
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</table>
| 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 |
New Statewide Programs to Reduce Super Pollutants

Food & Organics Waste Collection
27 million tons of organic waste not landfilled

Edible Food to Food Insecure
Millions of meals to 1 in 5 food insecure in CA

New and Expanded Recycling
15,000 green jobs

Recycled Organics Products
10,000 refuse trucks or 5,700 buses powered by renewable fuels

Lower GHGs = 1.7 million fewer cars a year
SB 1383 Key Implementation Dates

- **September 2016**: SB 1383 Adopted
- **January 1, 2019**: Two Years of Informal Rulemaking Ends. Formal Rulemaking Begins
- **November 2020**: Regulations Adopted
- **January 1, 2020**: 50 Percent Reduction in Organic Waste Disposal
- **January 1, 2022**: Regulations Take Effect and State Enforcement Begins
- **January 1, 2024**: Regulations Require Local Governments to Take Enforcement
- **January 1, 2025**: 75% Reduction in Organics Disposal, 20% Increase in Edible Food Recovery

Jurisdiction Responsibilities

- Provide Organics Collection Services to All Residents and Businesses
- Establish Edible Food Recovery Program
- Conduct Education and Outreach to Community
- Procure Recyclable and Recovered Organic Products
- Secure Access to Recycling and Edible Food Recovery Capacity
- Monitor Compliance and Conduct Enforcement
SB 1383 doesn’t just apply to waste management and recycling departments. Every local department plays a role in SB 1383 implementation.
**SB 1383 IN ACTION**

**JURISDICTION REQUIREMENTS**

- Provide organics collection service to all residents and businesses

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**Organic Waste Collection Services**

**Three-Container “source separated” Collection Service**
- Organics prohibited from black container
- All organic waste segregated for collection and recycling

**Two-Container Collection Service**
- One container for collection of segregated organic waste
- One container for collection of mixed waste (subject to 75% organic content recovery standard)

**One-Container Collection Service**
- One container for collection of mixed waste (subject to 75% organic content recovery standard)

- Minimum contamination monitoring and reduction requirements
- Collection waivers authorized for certain documented circumstances
COMMERCIAL EDIBLE FOOD GENERATORS (ARTICLE 10) (SECTIONS 18991.3 – 18991.5)

**Tier 1**
- Wholesale Food Vendors
- Food Service Providers & Food Distributors
- Grocery Stores
  - Facilities ≥ 10,000 sq. ft.
- Supermarkets

**Tier 2**
- Restaurants
  - Facilities ≥ 5,000 sq. ft.
- Hotels
  - with on-site food facility and ≥ 200 rooms
- Local Education Agencies
  - with on-site food facility
- Large Venues and Events
- Health Facilities
  - with ≥ 100 beds and on-site food facility
- State Agencies with cafeterias

*Starts 2024*

*Federal Facilities*

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SB 1383 IN ACTION

PROCUREMENT REQUIREMENTS

Procure Recycled and Recovered Organic Products

JURISDICTION REQUIREMENTS

COMPOST, RNG & ELECTRICITY
- Minimum Procurement

PAPER PROCUREMENT REQUIREMENTS
- Recycled Content
- Recyclability

Close the Loop

01 Collection
02 Recycling/Recovery
03 Procurement
04 End-Use
SB 1383 Expands California’s Closed Loop Organics Recycling Economy

Demand for Recovered Organic Waste Products Drives Infrastructure Investments

Procuring Recovered Organic Waste Products is Vital to Closing the Loop
RECOVERED ORGANIC WASTE PRODUCTS

- Mulch
- Renewable Fuel
- Renewable Heat
- Compost
- Renewable Elec
- Elec from Biomass
**CalRecycle Will Calculate a Procurement Target for Jurisdictions**

**Jurisdictions Customize Procurement**

<table>
<thead>
<tr>
<th>Jurisdiction’s Procurement Target (tons of raw organic feedstock)</th>
<th>Conversion Factor for Products</th>
<th>Procurement of Recovered Organic Waste Products</th>
</tr>
</thead>
</table>

1 ton of organic waste =

- 1 ton of Mulch
- 0.58 tons or 1.45 cu yrds of Compost
- 21 DGE of Renewable Fuel
- 242 kWh of Renewable Elec
- 22 therms of Renewable Heat
- 650 kWh of Elec from Biomass

- Mulch
- Compost
- Renewable Fuel
- Renewable Elec
- Renewable Heat
- Elec from Biomass
Article 12 Section 18993.1(h): POTW renewable gas may count toward a procurement target if:
- POTW receives organic waste from eligible facilities
- POTW is in compliance with exclusion described in Section 17896.6(a)(1)
- Jurisdiction receives records from POTW
- Amount of renewable gas procured doesn’t exceed production capacity
- POTW transported less than 25% of biosolids to landfill disposal activities
Article 12 Section 18993.1(f)(1):
- Must meet definition of compost
- Must be produced at either:
  - Compostable material handling operation or facility permitted or authorized under Chapter 3.1
  - Large volume in-vessel digestion facility as defined and permitted under Chapter 3.2 that comports on-site
Utilizing Recovered Organic Waste Products

**Compost**
- City Parks
- Landscaped Center Divides
- Community or School Gardens

**Mulch**
- Erosion Control Along Roadways

**Renewable Fuel**
- City-owned Vehicles
- Contracted Waste Haulers
- City Bus System

City Hosted Compost and Mulch Giveaways
Utilizing Recovered Organic Waste Products

**Renewable Elec**
- Organics Recycling Facility
- Buildings or Infrastructure
- Public Wastewater Treatment Plant

**Renewable Heat**
- Anaerobic Digester
- Space Heating
- Cooking

[CalRecycle Logo]
**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 Purchased!**

Jurisdictions that own an organics recovery facility can procure end products for city/county use.

**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**

There are no requirements that a jurisdiction’s procurement must be of products produced within your jurisdiction or produced from organic feedstock materials collected within your jurisdiction.
# Recovered Organic Waste Product Procurement Record Keeping

Jurisdictions Must Maintain Records so CalRecycle Can Verify Compliance

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## SB 1383 Compliance Checklist

<table>
<thead>
<tr>
<th>CHECKLIST REQUIREMENTS</th>
<th>COMPLIES</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Procurement Requirements</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>a. A written description for complying with the procurement requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Name, physical location, and contact information of the entity from which the products were procured</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Invoices or similar records of procurement for both direct procurement and direct service provider</td>
<td></td>
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</tbody>
</table>
Model Water Efficient Landscape Ordinance (MWELO) requirements for compost and mulch application.

Recycling organic waste commingled with C&D debris, to meet CalGreen 65% requirement for C&D recycling in both residential and non-residential projects.
SB 1383 IN ACTION

INFRASTRUCTURE REQUIREMENTS

Evaluating Current Infrastructure and Planning New Compost and AD Facilities and Edible Food Recovery
**SB 1383 in Action**

**Inspection and Enforcement Requirements**

- **Ordinance 2022**
  - Adopt an Ordinance (Enforceable Mechanism)
  - Including Enforcement

- **Compliance Monitoring & Education 2022-2024**
  - Annual Compliance Reviews, Route Reviews, Inspections
  - Educate Violators

- **Compliance Monitoring & Enforcement 2024**
  - Annual Compliance Reviews
  - Route Reviews, Inspections, Notice of Violations, Penalties for Violators

**JURISDICTION REQUIREMENTS**

Monitor Compliance and Conduct Enforcement
The Implementation Record must be stored in one central location, physical or electronic, that can be readily accessed by the Department.

Upon request by the Department, the jurisdiction must provide access to the Implementation Record within 10 business days.

All records and information must be included in the Implementation Record within 60 days of the creation of the record or information.

All records shall be retained by the jurisdiction for 5 years.
**CALRECYCLE OVERSIGHT (BEGINS IN 2022)**

**State Enforcement**

- Authorize Waivers
  - Low Population
  - Rural Areas
- Emergency Circumstances
- Oversee and Monitor
  - State Agencies and Facilities
  - Local Education Agencies

**Oversee and Monitor for Compliance**

- Jurisdiction Review
  - Conduct joint inspections with jurisdictions
  - Review Implementation Record

**If Violations**

- Issue Notices of Violation
- May Authorize Corrective Action Plan
- Allows up to 24 months to address barriers outside of a jurisdiction’s control
Model Implementation Tools

- Franchise Agreement
- Mandatory Organics Disposal Reduction Ordinance
- Procurement Policy
- Food Recovery Agreement
STAY ENGAGED

https://www2.calrecycle.ca.gov/Listservs/Subscribe/152

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

For further questions email: SLCP.Organics@calrecycle.ca.gov