



CITY OF  
**FOLSOM**  
CREATED BY NATURE

## Folsom City Council Staff Report

<b>MEETING DATE:</b>	1/26/2021
<b>AGENDA SECTION:</b>	Old Business
<b>SUBJECT:</b>	Presentation Regarding the Impacts of Organics Recycling Mandated by SB1383 and Direction to Staff
<b>FROM:</b>	Public Works Department

### **BACKGROUND / ISSUE**

The Public Works Department will make a presentation about the impacts of SB 1383 and request direction to staff. The presentation includes updates since it was originally presented to Folsom City Council on November 11, 2019.

Submitted,

---

Dave Nugen, Public Works Director

This page is intentionally left blank.



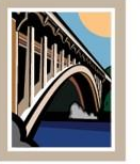
# Update on Impacts of State Residential Organics Recycling Mandate SB1383

January 26, 2021



CITY OF  
**FOLSOM**

# Presentation Overview



CITY OF  
FOLSOM



- Background of SB1383
- Requirements and Timeline for Implementation

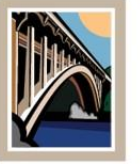


- Organics Capacity Procurement
- Strategic Plan

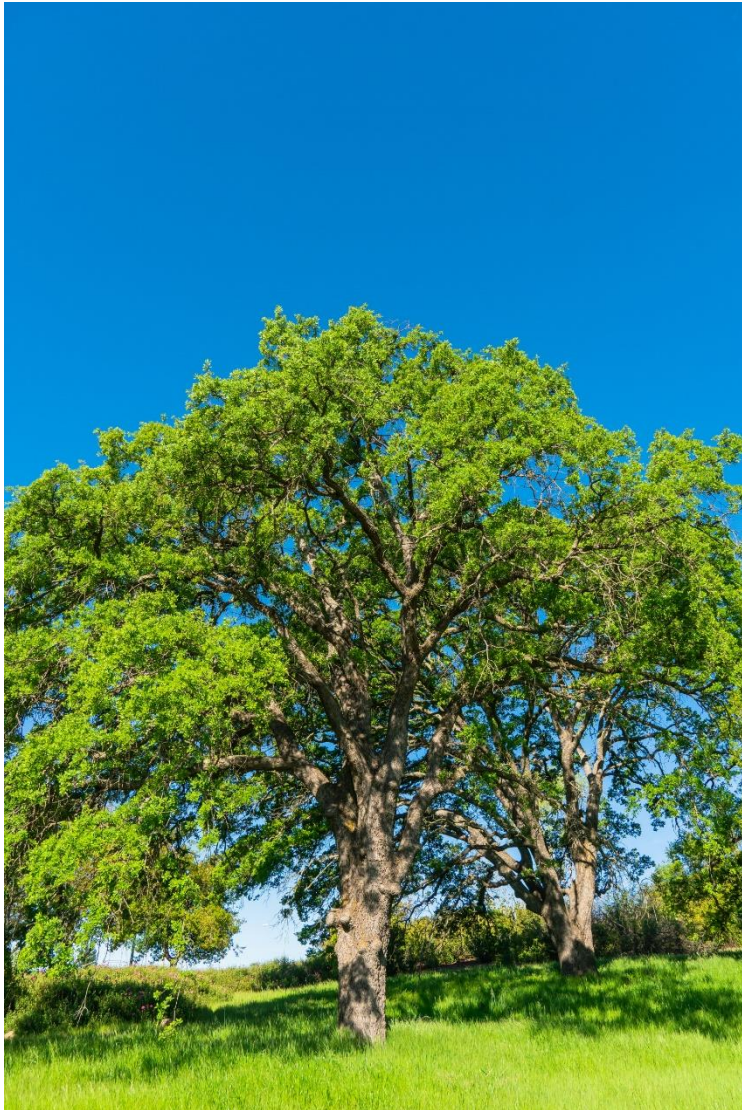


- Impacts to Jurisdictions

# This is a Climate Protection Law

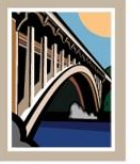


CITY OF  
FOLSOM

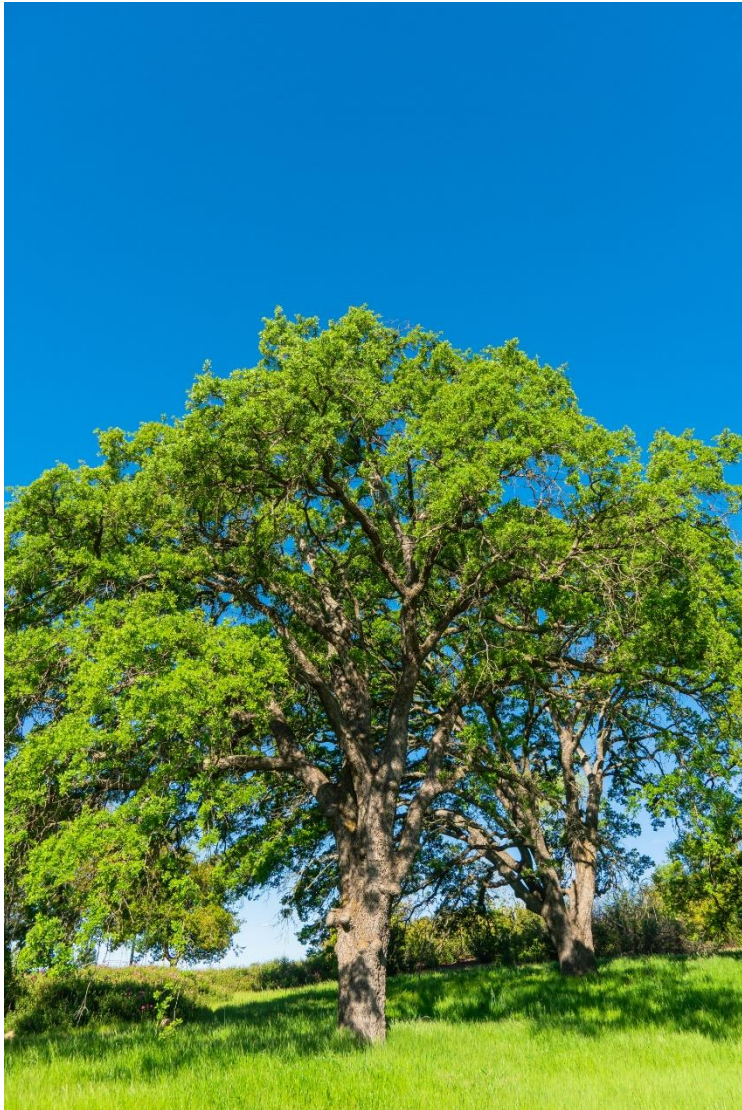


- In 2016, Governor Brown signed SB 1383 to reduce emissions of short-lived climate pollutants (methane).
- Regulations were finalized November 3, 2020 and take effect on January 1, 2022.

# SB 1383 Goals

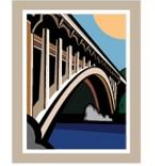


CITY OF  
FOLSOM



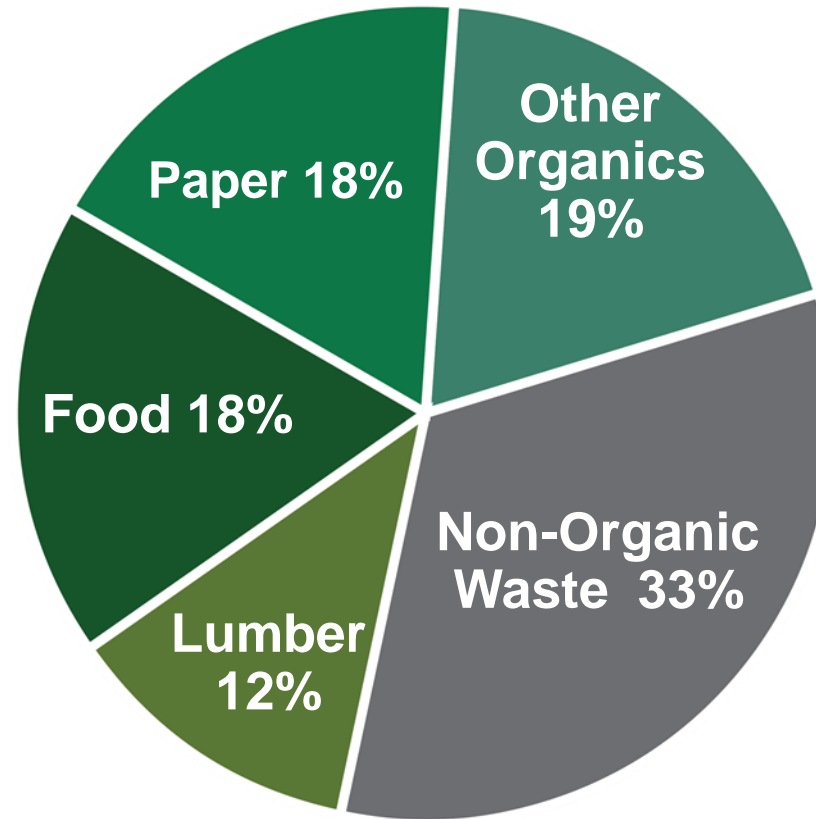
- Reduce organic waste disposal 75% by 2025.
- Rescue at least 20% of currently disposed surplus food for people to eat by 2025.

# Organic Waste Is the Largest Waste Stream in California



CITY OF  
**FOLSOM**

CALIFORNIA  
DISPOSED OF  
APPROXIMATELY  
**27 MILLION TONS**  
OF ORGANIC  
WASTE IN 2017



**California's Waste Stream**

**IN CALIFORNIA, MILLIONS ARE**

## **FOOD INSECURE**

**1 IN 8 CALIFORNIANS**

**1 IN 5 CHILDREN**



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

# CLIMATE CHANGE NEGATIVELY IMPACTS CALIFORNIA



CITY OF  
**FOLSOM**

- 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 Jurisdiction Responsibilities



CITY OF  
**FOLSOM**

**Provide Organics Collection  
Services to All Residents and  
Businesses**



**Conduct Education and  
Outreach to Community**



**Secure Access to Recycling and  
Edible Food Recovery Capacity**



**Establish Edible Food  
Recovery Program**



**Procure Recyclable and  
Recovered Organic  
Products**



**Monitor Compliance  
and Conduct  
Enforcement**



# Major City Staff Involvement



CITY OF  
**FOLSOM**

SB 1383 IN ACTION

INSPECTION AND  
ENFORCEMENT  
REQUIREMENTS



**Monitor Compliance and  
Conduct Enforcement**

## JURISDICTION REQUIREMENTS

**Ordinance  
2022**



Adopt an Ordinance  
(Enforceable  
Mechanism)  
Including  
Enforcement

**Compliance  
Monitoring &  
Education  
2022-2024**



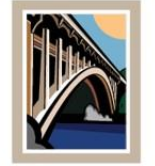
Annual Compliance  
Reviews, Route  
Reviews,  
Inspections  
  
Educate Violators

**Compliance  
Monitoring &  
Enforcement  
2024**



Annual Compliance  
Reviews  
Route Reviews,  
Inspections,  
Notice of Violations,  
Penalties for Violators

# Extensive Recordkeeping



CITY OF  
**FOLSOM**

## **SB 1383 IN ACTION**

JURISDICTION  
REQUIREMENTS



**Maintain Records and Report  
to CalRecycle**

### Recordkeeping Requirements:



Organic  
Collection  
Services



Hauler Program



Contamination  
Minimization



Waivers



Education &  
Outreach



Edible Food  
Recovery  
Program



Recycled Organic  
Waste  
Procurement



Recycled Paper  
Procurement

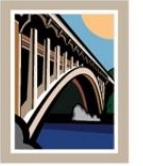


Commercial  
Edible Food  
Generators



Jurisdiction  
Inspection &  
Enforcement

# CalRecycle Will Enforce the Law



CITY OF  
**FOLSOM**



STATE  
ENFORCEMENT



## CALRECYCLE OVERSIGHT (BEGINS IN 2022)



### 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

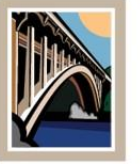
- Conduct joint inspections with jurisdictions
- Review Implementation Record



### 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

# Planning



CITY OF  
FOLSOM



- SB 1383 is an unfunded mandate.
- Current rates include funding for one administrative employee and drivers.



- Other program costs are not included in the scheduled rate increases.



- Additional rate increases will be unavoidable.

# Organics Recycling Capacity



CITY OF  
**FOLSOM**

SB 1383 IN ACTION

INFRASTRUCTURE  
REQUIREMENTS



**Evaluating Current  
Infrastructure and Planning  
New Compost and AD Facilities  
and Edible Food Recovery**



# Selected Contractor

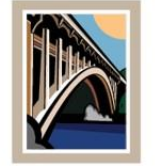


CITY OF  
**FOLSOM**



- Compost produced at existing facilities in the short term
- Vendor will provide compost to meet requirements of SB1383
- Compost, gas and digestate produced at new anaerobic digestion facility in the long term

# Our Current System Remains



CITY OF  
**FOLSOM**

SB 1383 IN ACTION

JURISDICTION  
REQUIREMENTS



**Provide organics collection  
service to all residents and  
businesses**

## Organic Waste Collection Services



### **RESIDENTIAL - Three-Container “source separated” Collection Service**

- Organics are prohibited from gray container
- Blue Recycling Cart stays the same
- Food waste and food soiled paper is placed in bags before placement in Green Cart
- All organic waste (bagged food waste and food soiled paper, green waste) goes in Green Cart for collection and recycling

- **Minimum contamination monitoring and reduction requirements**
- **Collection waivers authorized for certain documented circumstances**



# Interim Organics Management



CITY OF  
**FOLSOM**



	<b>PRIOR</b>	<b>CURRENT</b>	<b>SB 1383</b>
	Delivered to Kiefer Landfill and used as Alternative Daily Cover (ADC)	Delivered to Elder Creek Transfer Station and land applied at Silva Ranch	Delivered to Elder Creek Transfer Station destined for compost
	No Diversion Credit Effective Jan. 2020 - AB 1594	Diversion Credit Received Started July 2020	Diversion Credit Received
	Green Waste Only 9,000 tons	Green Waste Only 9,000 tons	Green Waste and Food Waste 10,500 tons
	\$30 per ton Rate study projected \$34.06 per ton in FY 22	\$50 per ton	\$97 per ton
	Contract expired June 30, 2020	Contract expires December 31, 2021	Starts January 1, 2022

# Cost Impacts



CITY OF  
FOLSOM



- Processing of organics from curbside collection.
- Edible food capacity.
- Staffing for program development and ongoing management including education, record keeping, inspections and enforcement.



- Collection staff for additional routes.
- Curbside containers for 3,500+ homes that currently do not have green waste collection.



- Collection vehicles to support weekly service (approximately 1,500 additional miles per week).
- Start up promotional supplies including compostable bags and kitchen food waste bins.

# Potential Rate Impacts



CITY OF  
**FOLSOM**

## On-Going Organics Management Expenses Not Included in Current Rates

Description	Current Interim Program	Annual SB 1383 (Based on FY 23 Estimate)
Tipping Fees	\$ 160,000	\$ 674,000
Additional Fuel Cost	2,000	18,000
Additional Maintenance (parts only)	3,024.0	23,000
Truck Replacement	N/A	208,000
Container Replacement	N/A	18,000
Procurement Requirements	N/A	TBD
Edible Food Waste Capacity	N/A	TBD
Education/Enforcement Materials	N/A	16,000
Senior Environmental Specialist (1)	N/A	264,000
Environmental Technician (1)	N/A	129,000
<b>Ongoing Program Costs</b>	<b>\$ 165,224</b>	<b>\$ 1,351,500</b>
Residential	\$ 165,224	\$ 1,147,000
Commercial	\$ -	\$ 204,500

## Preliminary Ongoing Monthly Rate Impacts

Residential	\$ 0.60	\$ 4.15
Commercial	N/A	\$ 29.03



# Potential Rate Impacts Cont.



CITY OF  
**FOLSOM**



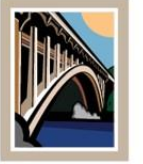
## One-time Implementation Costs

Residential Collection Trucks (4)	\$	1,500,000
Curbside Containers		179,000
Compostable Bags		36,000
Kitchen Containers		70,000
Educational Materials/Postage		32,000
Prop 218 Notice/Postage		21,000
<b>One-Time Startup Total</b>	<b>\$</b>	<b>1,838,000</b>



	Estimated One-Time Cost	Total per Account
<b>Residential</b>	<b>\$ 1,836,683</b>	<b>\$ 79.72</b>
<b>Commercial</b>	<b>\$ 1,317</b>	<b>\$ 2.24</b>

# Next Steps



CITY OF  
FOLSOM

- **Staffing**

- We are requesting the addition of two (2) Environmental Specialist positions to be added to the existing FY 21 Budget
- This staffing is necessary to meet the existing mandates in the Recycling Division to avoid regulatory fines from CalRecycle and will assist with the future policy and program requirements for SB 1383 regulations
- With your concurrence we will return to with the appropriate Resolution to authorize the additional staff

- **Proceed with Rate Study**

# Questions?



CITY OF  
FOLSOM



City of Folsom

Department of Public Works

Solid Waste Division

Division of Recycling

(916) 461-6730

solidwaste @ folsom.ca.us