

*Los Angeles County*  
*2018 Annual Report*  
*Countywide Organic*  
*Waste Management Plan*

PRESENTED BY:  
TRISHENA ROBINSON

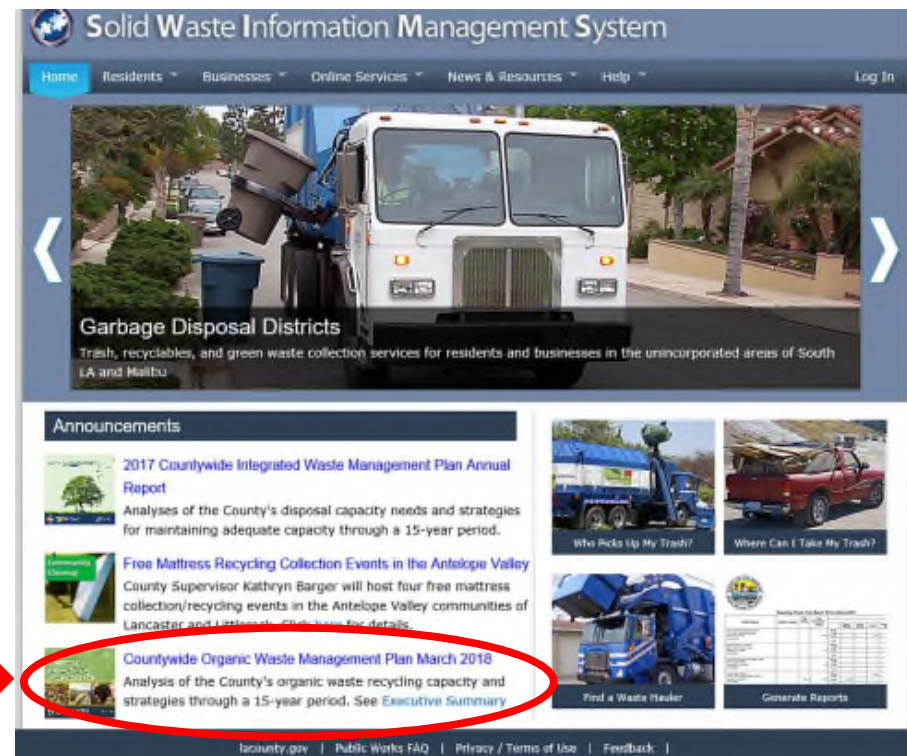
# Background

## FPRS - September 15, 2016

- Draft Regional/Countywide Organic Waste Management Plan

## Task Force - October 20, 2016

- Regional/Countywide Organic Waste Management Plan Presentation



# Driver for the Report - *Assembly Bill (AB) 876*

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A county shall include, in its annual report:

- (1) The amount of organic waste that will be disposed in the county in the 15<sup>th</sup> year of the planning period;
- (2) The amount of additional organic waste diversion capacity needed to process that waste; and
- (3) Areas identified as locations for new or expanded organic waste recycling facilities



# Driver for the Report - *Assembly Bill (AB) 876*

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**Initial Reporting Date:** August 1, 2017 (*Data is submitted annually in the Electronic Annual Report*)

**Reporting Period:** 15<sup>th</sup> year of a 15-year planning period

**Materials Analyzed:** Food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste.

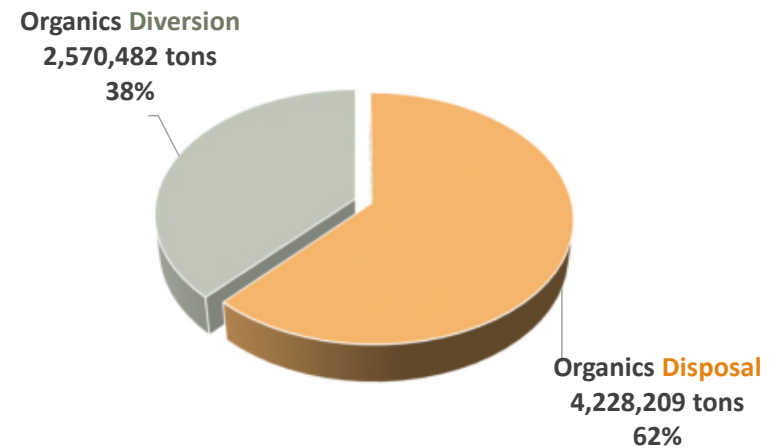
**Percentage of Organics:** 40.3% (based on Statewide Waste Characterization Study, 2014)

# How much organic waste in 2018?

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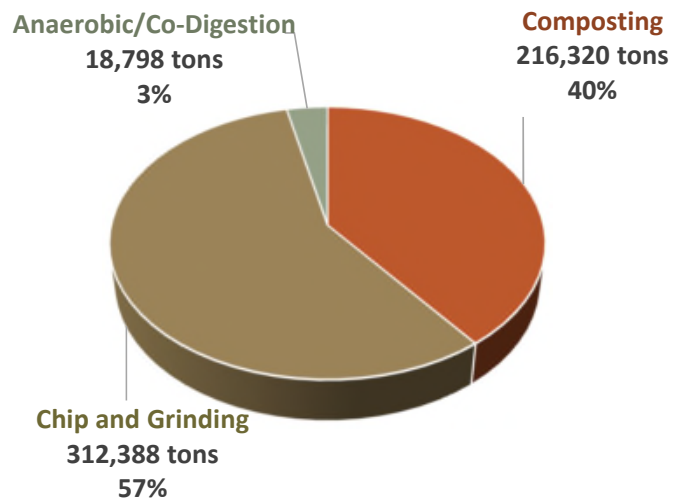
Waste Stream	Amount of Organic Waste (tons)
Generation	6.8 million
Disposal	4.2 million
Diversion*	2.6 million

\*Please note that “diversion” is estimated by deducting the disposal tonnage from the calculated generation. This value represents the organic waste that was diverted via both source reduction and recycling.



# Organics Capacity in 2018 (In-County)

**Total Available Capacity in 2018**  
≈ 550,000 tons



Facility/Operation Type	Available* Organics Capacity (tons per year)
Composting	≈ 216,000
Chip and Grinding	≈ 312,000
Anaerobic/Co-Digestion	≈ 19,000

\*Available capacity is based on survey responses received from facility operators.

# Organics Capacity in 2018 (Out-of-County)

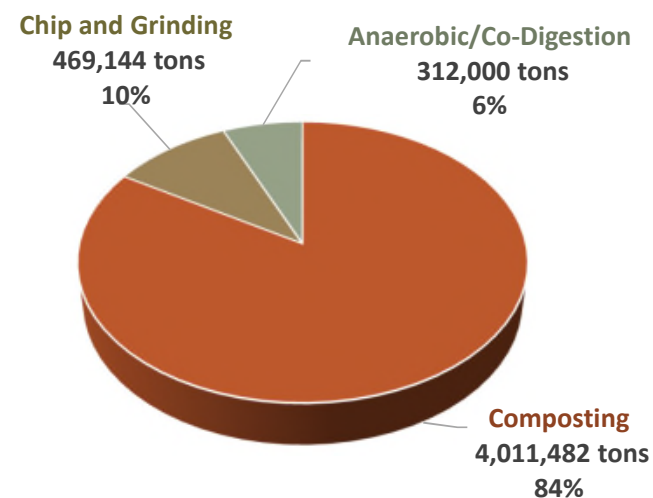
(Kern, Orange, Riverside, San Bernardino & Ventura)

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Facility/Operation Type	Available* Organics Capacity (tons per year)
Composting	≈ 4.0 million
Chip and Grinding	≈ 469,000
Anaerobic/Co-Digestion	≈ 312,000

\*Available capacity is based on survey responses received from facility operators.

**Total Available Capacity in 2018**  
≈ 4,800,000 tons



# Base Year (2018) Analysis

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Year	Actual Disposal (tons per year)	Additional Unused Capacity (tons per year)		Potential Shortfall* (tons per year)
		In-County	Out-of-County	
2018	<b><u>4.2 million</u></b>	0.5 million	1.1 million (25% utilization)	<b>2.5 million</b>
		0.5 million	2.3 million (50% utilization)	<b>1.4 million</b>

\*“Potential Shortfall” represents the shortfall in organic waste recycling capacity that Los Angeles County would have experienced, had the unused In-County and the respective portions of the unused Out-of-County capacity been utilized in 2018.



# Scenarios 1 & 2

## Projected Organics Capacity Needed

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### **Assumptions:**

- 100% Reduction in Organic Waste Disposal
- Utilizing all In-County Capacity
- Utilizing **25%** of Out-of-County Capacity

Year	Estimated Additional Capacity Needed (w/In- and Out-of-County) (tons)
2020	2.6 million
2025	2.8 million
2033	3.3 million

### **Assumptions:**

- 100% Reduction in Organic Waste Disposal
- Utilizing all In-County Capacity
- Utilizing **50%** of Out-of-County Capacity

Year	Estimated Additional Capacity Needed (w/In- and Out-of-County) (tons)
2020	1.4 million
2025	1.6 million
2033	2.1 million

# Scenarios 3 & 4

## Projected Organics Capacity Needed

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### **Assumptions:**

- 50% and 75% Reductions in Organics Disposal
  - (SB 1383 targets)
- Utilizing all In-County Capacity
- Utilizing **25%** of Out-of-County Capacity

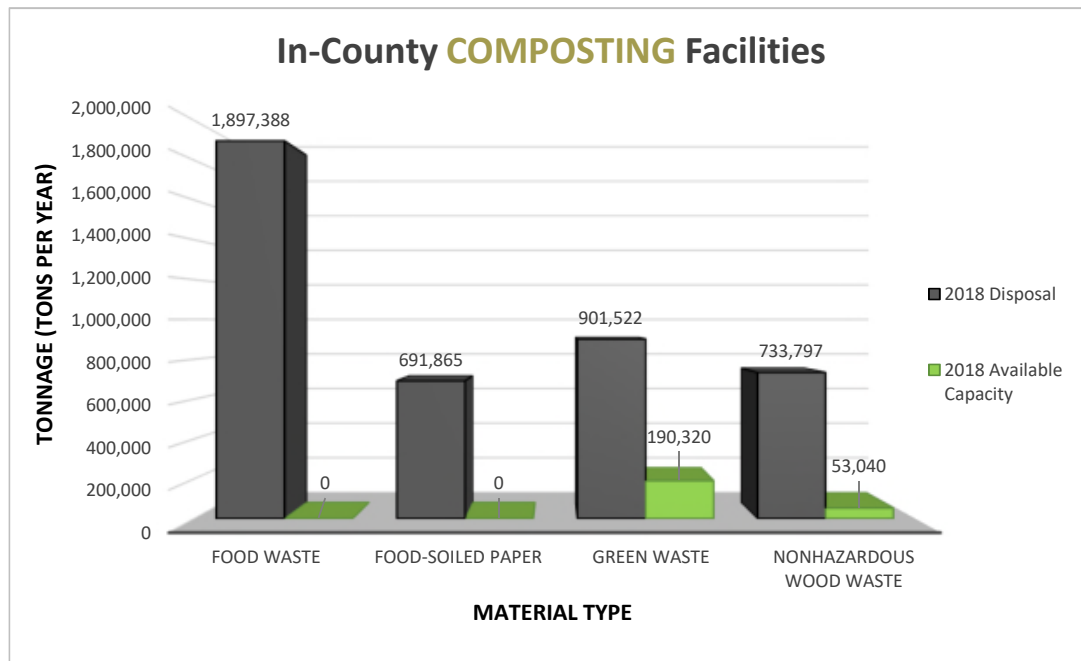
Year	Estimated Additional Capacity Needed (w/In- and Out-of-County) (tons)
2020	0.9 million
2025	1.9 million
2033	2.4 million

### **Assumptions:**

- 50% and 75% Reductions in Organics Disposal
  - (SB 1383 targets)
- Utilizing all In-County Capacity
- Utilizing **50%** of Out-of-County Capacity

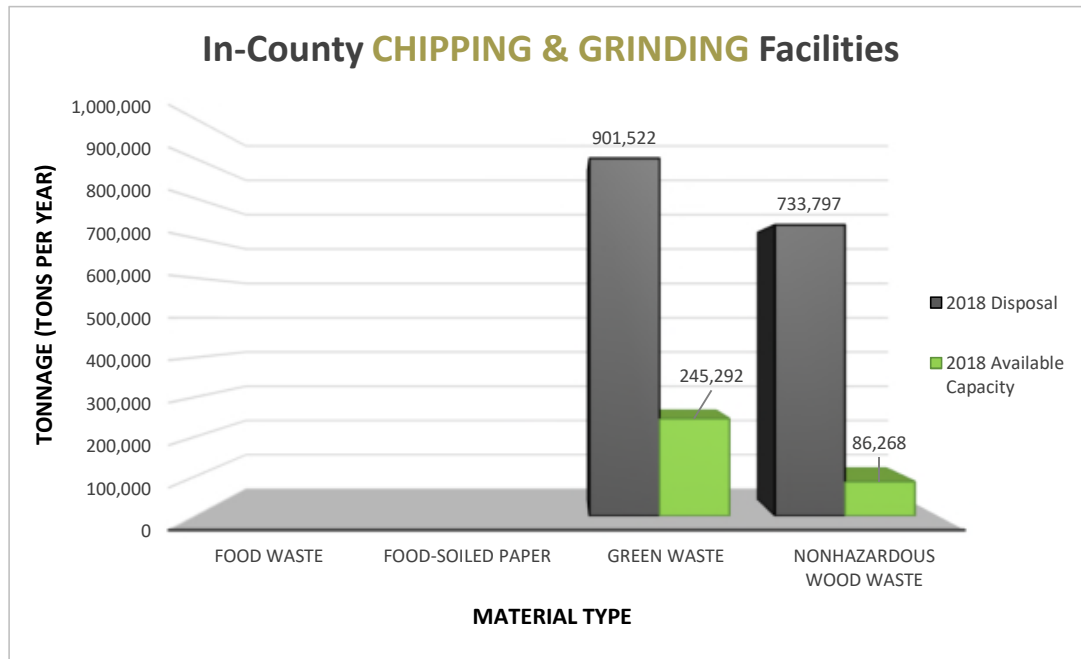
Year	Estimated Additional Capacity Needed (w/In- and Out-of-County) (tons)
2020	0
2025	0.7 million
2033	1.1 million

# Composting Capacity Deficit



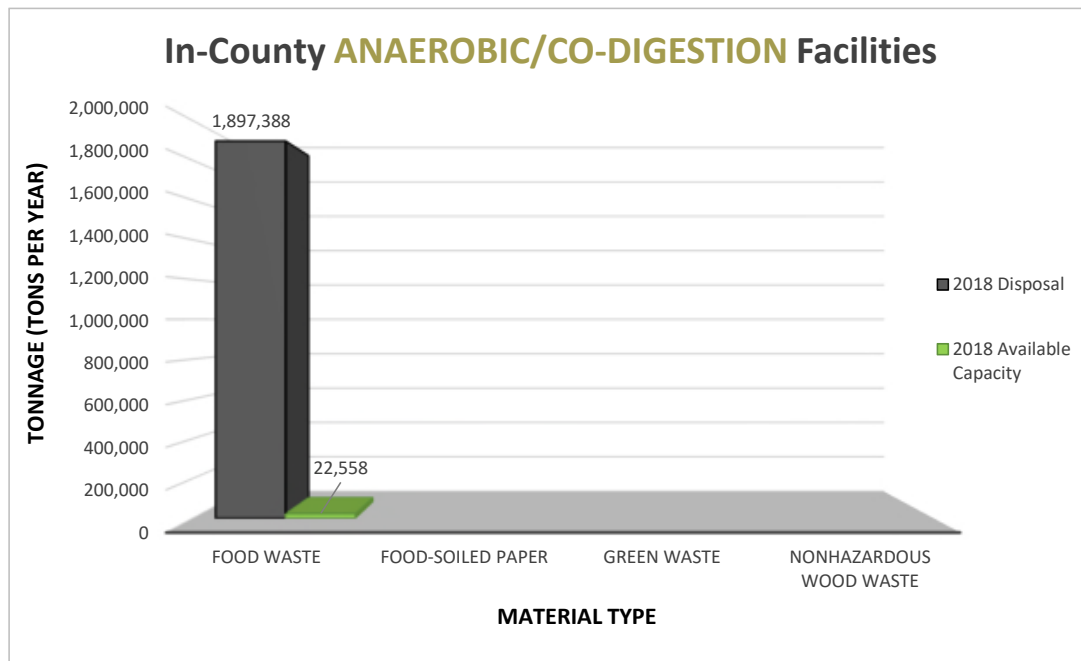
Material Type	Capacity Deficit (tons per year)
Food Waste	1.9 million
Food-Soiled Paper	691,865
Green Waste	711,202
Nonhazardous Wood Waste	680,757
<b>Overall Deficit</b>	<b>~4.0 million</b>

# Chipping & Grinding Capacity Deficit



Material Type	Capacity Deficit (tons per year)
Food Waste	Not Applicable
Food-Soiled Paper	Not Applicable
Green Waste	656,230
Nonhazardous Wood Waste	647,529
<b>Overall Deficit</b>	<b>~1.3 million</b>

# Anaerobic/Co-Digestion Capacity Deficit



Material Type	Capacity Deficit (tons per year)
Food Waste	1,874,831
Food-Soiled Paper	Not Applicable
Green Waste	Not Applicable
Nonhazardous Wood Waste	Not Applicable
<b>Overall Deficit</b>	<b>~1.9 million</b>

# What's next?

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- New Organic Waste Regulations (Senate Bill 1383)
  - Expected to be finalized soon
  - Organic Waste Recycling Capacity Planning
  - Consult with the Local Enforcement Agency and the local task force

# Review and Comment Period

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- Please submit comments to:  
[cslythe@pw.lacounty.gov](mailto:cslythe@pw.lacounty.gov) and CC: [trobenson@pw.lacounty.gov](mailto:trobenson@pw.lacounty.gov)
- Please submit comments by:  
**Thursday, January 16, 2020**

Thank you

