Organic Waste and Recycling Infrastructure in California

Senate Bill 1383

50% Reduction in the statewide disposal of organic waste (from the 2014 level) **by 2020**
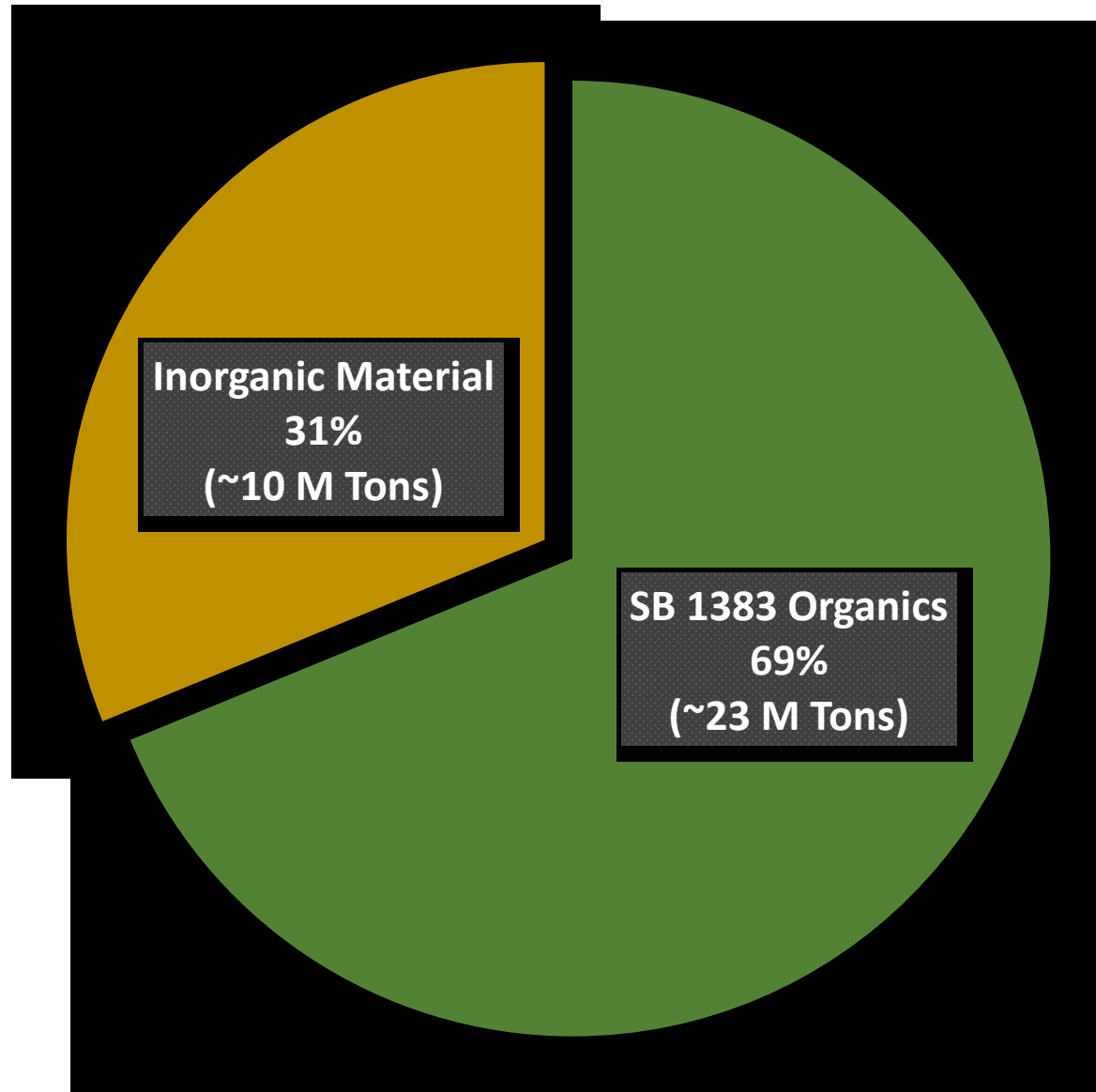
75% Reduction in the statewide disposal of organic waste (from the 2014 level) by 2025

20% Of currently disposed edible food must be recovered for human consumption by 2025

Composition of Municipal Waste Disposed at CA Landfills (2014 data)

Inorganic Material
31%
(~10 M Tons)

SB 1383 Organics
69%
(~23 M Tons)

Composition of Municipal Waste Disposed at CA Landfills (2014 data)

Pie chart:
- Inorganic Material 31% (~10 M Tons)
- Other SB 1383 Organics 28% (~9 M Tons)
- Traditional Organics 41% (~14 M Tons)
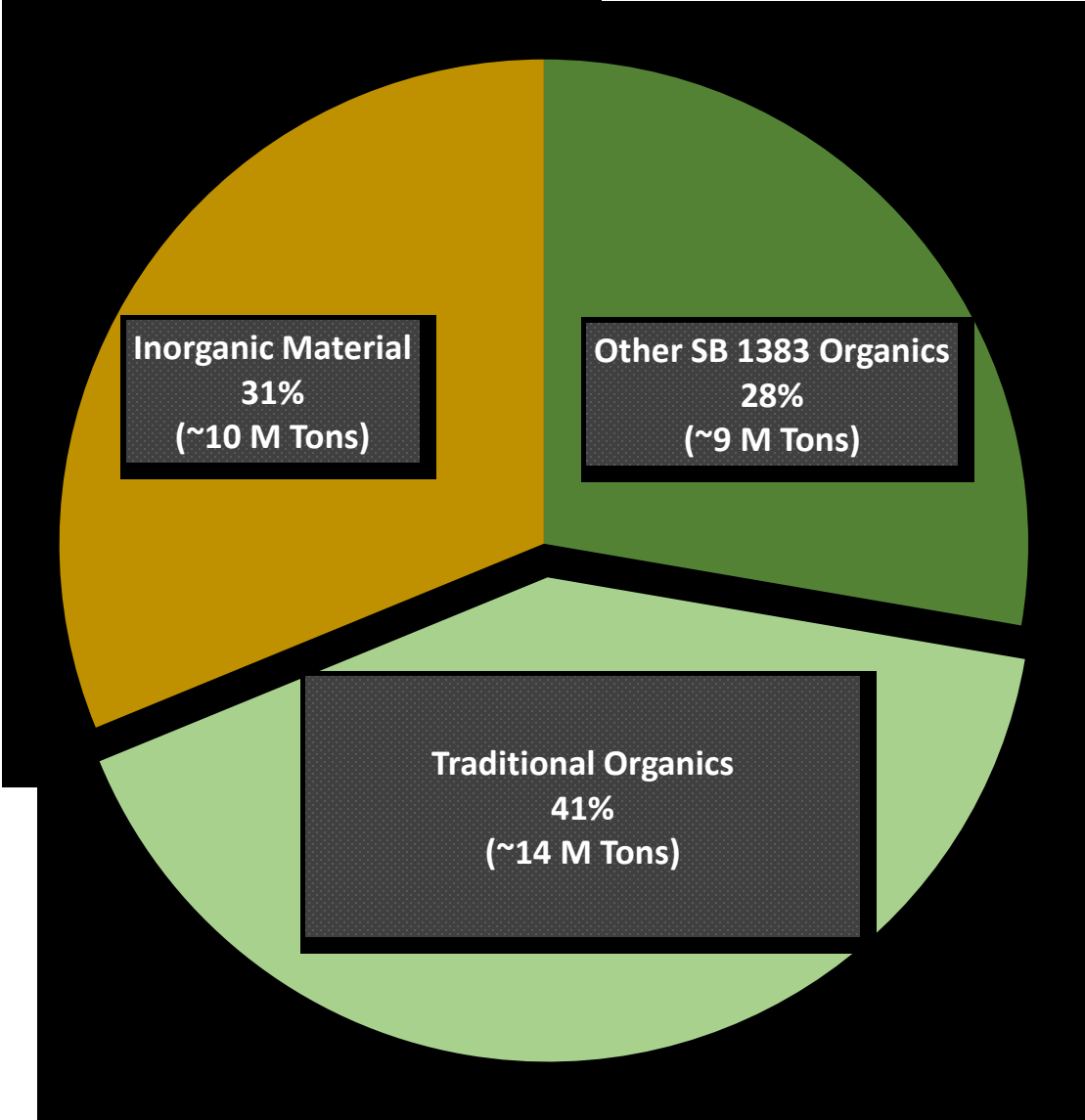
Table 33: Selected Compost/Mulch Material Types

Material	Percentage
Other Miscellaneous Paper - Compostable	0.2%
Remainder/Composite Paper - Compostable	6.6%
Food	18.1%
Leaves and Grass	3.8%
Prunings and Trimmings	3.1%
Branches and Stumps	1.7%
Manures	0.6%
Clean Dimensional Lumber	3.2%
Clean Engineered Wood	1.7%
Clean Pallets & Crates	2.1%

Component Percent of Traditional Organics

Clean Wood Waste
17%
(~2 M Tons)

Compostable Paper
17%
(~2 M Tons)

Yard Waste & Manures
22%
(~3 M Tons)
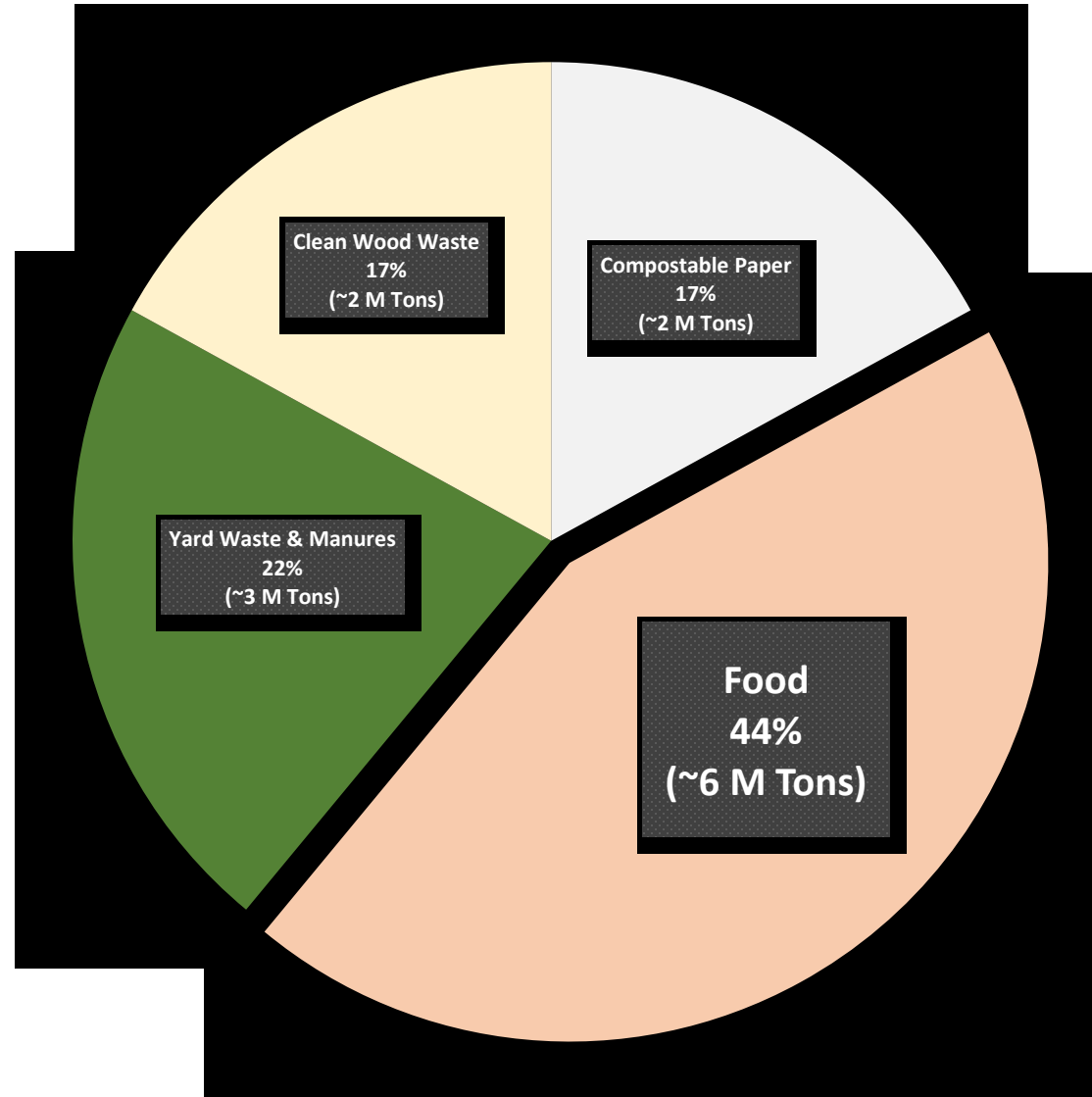
Food
44%
(~6 M Tons)

CalRecycle's 2018 WCS Food Waste Categories
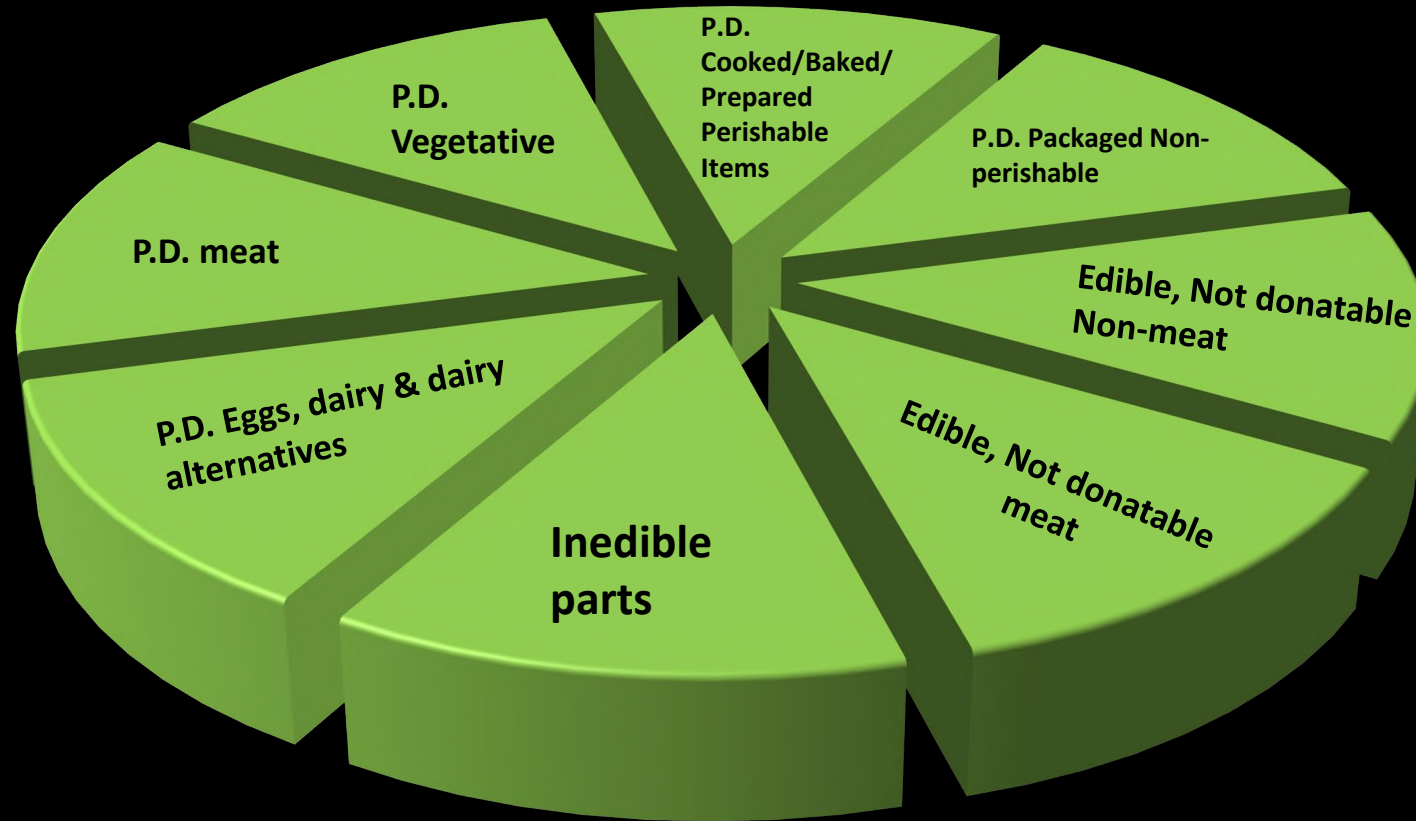
FOOD WASTE PREVENTION & RESCUE GRANTS

➢ $9.4 million awarded

➢ 30 projects statewide

➢ All projects benefit disadvantaged communities

➢ 350,000 metric tons of CO_2 equivalent (MTCO2e) to be reduced

➢ **Next Round: $5.75 million**

CURRENT INFRASTRUCTURE:
Anaerobic Digestion Facilities in California

- ➤ **8 operational stand-alone anaerobic digestion facilities**
- ➤ **6 POTWs co-digest food waste**
- ➤ **Approximately 300,000 tons digested in 2017**

CURRENT INFRASTRUCTURE:
Composting Facilities in California

Approximately 180 composting facilities in California.

▶ ~60 composting facilities in the state equipped to handle larger volumes of traditional organic materials from the solid waste stream

    ▶ **~30 composting facilities permitted to accept food waste**

▶ Approximately 6 million tons of traditional organics composted in 2017

▶ Need to at least double this infrastructure in order to meet the statewide targets established by SB 1383

Mid Valley Disposal Inc.
Recipient of CalRecycle Organics Grant

How Do We Get There? Collaboration

Permitting of 100+ New Facilities Requires Collaboration

Statewide Entities	Local Entities
CalEPA	Local Planning Agencies
CalRecycle	Local Enforcement Agencies
CARB	Air Districts
SWRCB	Regional Water Board

Actionable Recommendations

➢ Continue Air Permitting Collaboration

➢ Support Financing for Prevention, Rescue, and Recovery Efforts

❖ GGRF Funding

❖ Tip Fee Reform

➢ Recognize the Importance of Data Driven Decision Making

❖ Waste Characterization

❖ Emission Reduction Factors