

Organics Recycling in California & Cupertino



Cupertino Chamber of Commerce
March 6, 2015



Organics Recycling New State Focus



- CA AB 1826
- CMC 6.24.037 Proposed Updates



Organics Recycling for Business Customers

AB 1826 Dates & Quantity

- **April 1, 2016**, a business generating 8 CY/wk of organic material
- **January 1, 2017**, a business generating 4 CY/wk of organics
- **January 1, 2019**, a business generating 4 CY/wk of commercial solid waste
- On or after **January 1, 2020**, State may determine that businesses generating 2 CY/wk of commercial solid waste

Cupertino Dates & Quantity

- **August 1, 2015**, businesses generating 8 CY/wk of organic material. *
- **November 1, 2015**, businesses generating 3 CY/wk of organic material, or 25% of total waste stream is organics, shall recycle organics.*
- **July 1, 2016**, businesses generating 4 CY/wk of commercial solid waste are required to recycle organics. **
- **November 1, 2017**, businesses generating 2 CY/wk of commercial solid waste shall recycle organics. **

*Excludes Multifamily Dwellings

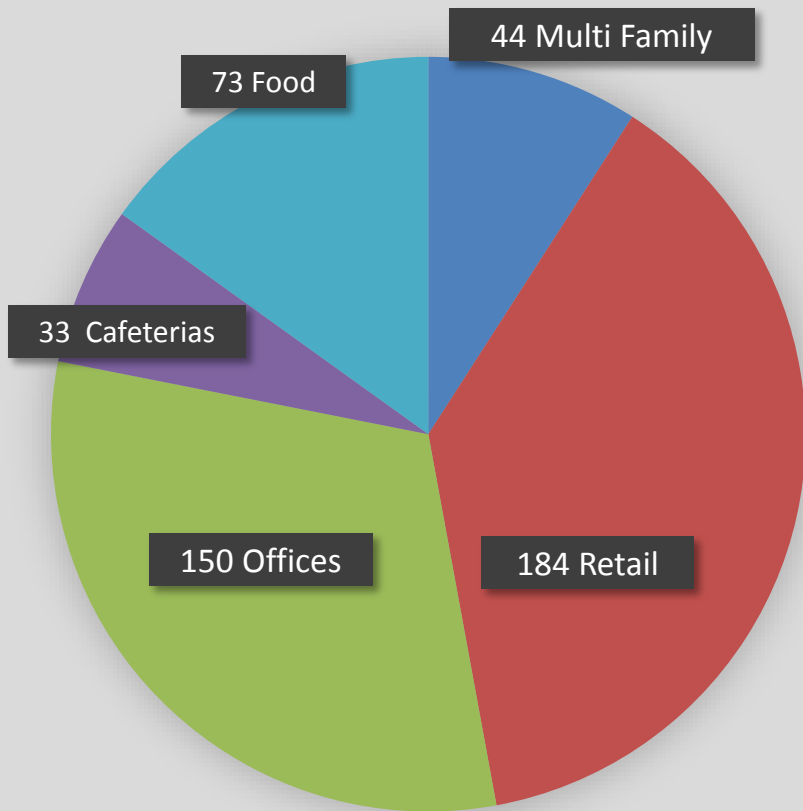
**Includes Multifamily Dwellings



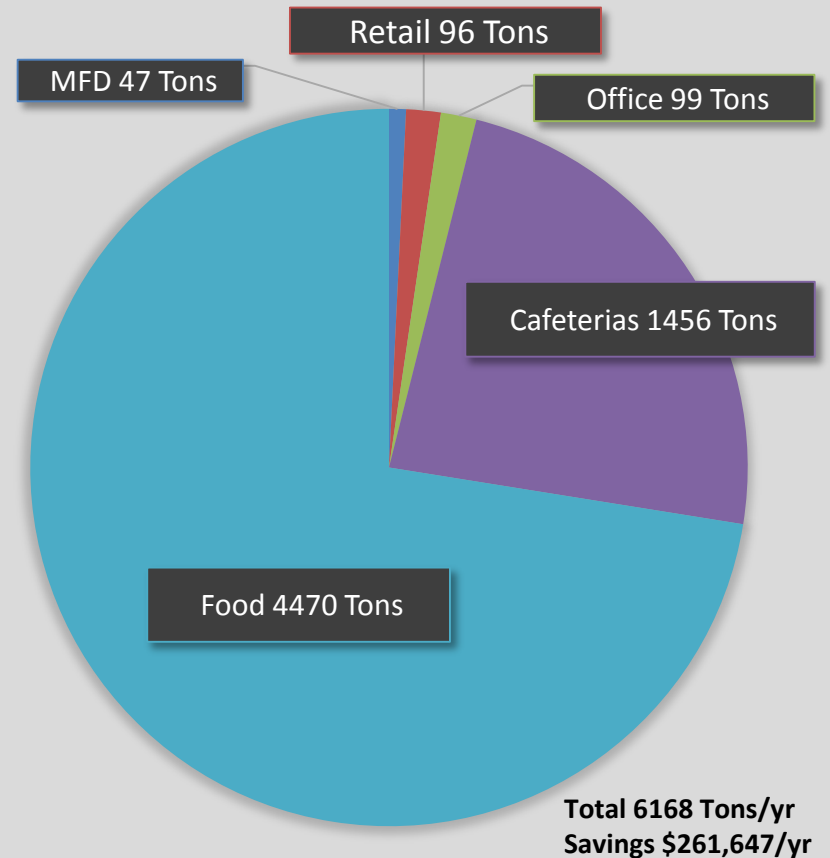
Current Business Accounts

484 Business Accounts in Cupertino - 64 Voluntarily Recycling Organics

Business Accounts by Sector



Organics Currently Recycled



Business Accounts - 2015

Businesses Currently Voluntarily Recycling Organics

Cubic Yards/wk	#	Tons/yr
>8	23	4,614
>3 or 25%	10	380
<3	31	1,174
Total	64	6,168

Businesses to Recycle Organics

Date	#	Est. Tons/yr	Total
Aug 2015	8	915	5,529
Nov 2015	19	700	1,080
N/A	N/A	N/A	1,174
	27	1,615	8,163

**1,615 Est. Tons/yr over current
Annual savings \$68,508/yr**

Additional Accounts to Recycle Organics by August 2015

Account Name	Est. Cubic Yards/wk	Tons/yr - Est.
Vallco Mall	12	125
McDonalds (Homestead Rd)	12	125
Cupertino Village	8	83
TGI Fridays	8	83
Target	8	83
*C/O Investments (Panda Express & Ike's share)	8	83
*Market Place - (Elephant Bar +16 food businesses share)	20	208
Panera Bread	12	125
TOTAL	88	915

Additional Accounts to Recycle Organics by Nov 2015

Account Name	Est. Cubic Yards/wk	Est. tons/yr
Seagate	3	31
Cupertino Inn	4	42
Courtyard Marriot	4	42
Hilton Garden Inn	4	42
Duke of Edinburgh	4	42
Hong Fu Gourmet Chinese	4	42
Yoshinoya Restaurant	4	42
Homestead Lanes	4	42
Le Boulanger	4	42
Peets (Homestead Rd & Stevens Blvd)	4	42
Aqui	3	31
Smoke Eaters	3	31
Paris Baguette	3	31
Little Mongolian Hot Pot	3	31
Lei Garden	3	31
Pizza Hut	3	31
J & J Hawaiian (S De Anza Blvd & Stevens Crk Blvd)	4	42
Chuck E. Cheese	3	31
Shan Restaurant	3	31

* Includes accounts with 25% of total waste stream is organics

August & November 2015 Business Implementation Examples

Example 1: Grocery Stores & Restaurants



August & November 2015 Business Implementation Example

Example 1: Grocery Stores and Restaurants



Business Accounts - 2016

Businesses to Recycle Organics

Cubic Yards/wk	Date	#	Est. Tons/yr	Running Total
>4 Solid Waste	July 2016	120	1,248	9,031
>4 Solid Waste MFD	July 2016	38	800	9,831

**2,048 Est. Tons over current
Annual savings \$86,876/yr**

Business Accounts - 2017

Businesses to Recycle Organics

Cubic Yards/wk	Date	#	Est. Tons/yr	Running Total
>2 Solid Waste	Nov 2017	106	192	10,023
>2 Solid Waste MFD	Nov 2017	6	15	10,038

3,870 Est. Tons over current
Annual savings \$164,165

November 2015 Business Implementation Example

Example 1: Office



Economic & Environmental Benefits

Economic Benefits

- No immediate impact to Recology rates
- Postpones purchasing new landfill space
- Potential landfill savings to be gained from an organics recycling ordinance
 - 2015 - \$68,508/yr
 - 2016 - \$86,876/yr cumulative
 - 2017 - \$164,165/yr cumulative
- Compost not given to residents is sold
- Recology's revenue from compost offsets Cupertino customer rates

Environmental Benefits

- Reduction in Greenhouse Gases (methane) from decomposing organics
- Conserves landfill space
- Reuse by reprocessing reduces manufacturing process impacts



Other Considerations

- Clear bags for organics permit Recology drivers to spot and stop contaminants from entering the collection truck.
- Clear garbage bags permit drivers to identify large quantities of food waste that could be composted (does not require opening and sorting as black bags do)
- Trash enclosures ensure that exposed waste from overfilled bins is contained in a covered enclosed area.



What's next?

- Draft Ordinance to Chamber
- Draft Ordinance on City's website
- First Reading, April 21, 2015 Council Meeting
- Second Reading, May 5, 2015 Council Meeting
- Ongoing City outreach - site visits to each affected business
 - Complete Multi-Family pilot(s) by Spring 2016
 - Evaluate 7/2016 & 11/2017 ordinance thresholds



Assistance for Businesses is Ongoing



Questions and Comments

Your questions and comments will help ensure a successful organics recycling program for the City of Cupertino!

To discuss details, please contact:

Roger Lee RogerL@Cupertino.org - City of Cupertino Assistant Public Works Director

John Zirelli JZirelli@Recology.com - Recology General Manager

Cheri Donnelly CheriD@Cupertino.org - City of Cupertino Environmental Programs Manager

