



City of Ann Arbor

# Upcoming Changes to Ann Arbor Composting

Working towards new changes for composting

**July 10, 2023, 4 pm**

**July 12, 2023, 2 pm**

# Welcome and Introductions



Jennifer Petoskey  
City of Ann Arbor



Rod Tyler  
WeCare Denali



Susan Thoman  
Compost Manufacturing Alliance



Jennifer McCullen  
My Green Michigan



# Changes to Composting

Changes Going into Effect January 2024

As of January 1, 2024, WeCare Denali will no longer accept BPI (Biodegradable Products Institute)-only certified material or **compostable plastics of any kind, including plastic liners**. The only manufactured compostable products to be accepted will be those that have received the Compost Manufacturing Alliance – Windrow (CMA-W) certification and are made of only fiber (i.e., paper, wood) materials. In addition, bamboo and palm products **will not be accepted** as they do not degrade within timeframes of other materials.

Food  
Scraps

Yard  
Trimmings

Certain  
CMA-W  
Certified

Category	Manufacturer
<b>Food Trays</b>	Cascades Canada ULC
	Eco Products
	Inno-Pak
	Southern Champion Tray
	Speciality Quality Packaging
<b>Fry Bags, Cones, Pockets</b>	Fischer Paper Products
	Speciality Quality Packaging
	Serve-wise® by FOH
<b>Straws</b> (paper, unless otherwise noted)	Aardvark
	Footprint
	Hefty (Ecosave)
	Holy City (plant stem/reed straws)
	OK Straw
	FOH
	Strawprint (wheat reeds)
Virescent	

# Certain Manufactured Products

A list of acceptable CMA-W certified manufactured products can be found at [url.a2gov.org/cmacompost](http://url.a2gov.org/cmacompost).

CMA-W  
certified

Fiber  
only

Excluding  
bamboo &  
palm leaf



"Waste should not be wasted"

Denali Updates to City of Ann Arbor Compost Site feedstock acceptance  
**Compostable Packaging Products**  
**July 2023**

**Rod Tyler**

**Midwest Regional Operations Manager**

# Who Is Denali?



"Waste should not be wasted"

## Introduction:

- Garret Davis
  - Ann Arbor Site Manager
  - 6+ years experience in Ann Arbor
  - Experience with all technological processes of composting

- Rod Tyler
  - Midwest Regional Manager
  - Agronomist
  - 30 years in Composting Industry
  - Former President of USCC

**Certified Compost through USCC STA**

**OMRI Listed for Organic growing of food**



Garret Davis



Rod Tyler



# Who Is Denali?



- 💧 #1 In Compost Facilities Management In The United States In Total Tons Processed Annually
- 💧 Over 25+ Composting Facilities Nationwide
- 💧 Biosolids, food wastes, yard wastes
- 💧 Operating In Key States:
  - 💧 Arizona
  - 💧 California
  - 💧 Connecticut
  - 💧 Florida
  - 💧 Illinois\*
  - 💧 Maryland
  - 💧 Michigan
  - 💧 Ohio
  - 💧 New Jersey
  - 💧 New York
  - 💧 Texas



# DENALI

"Waste should not be wasted"

## Transition in compostables acceptance policy

- 💧 Denali, along with a growing number of composters across the U.S., use the CMA certification for compostable products
- 💧 CMA requires that products meet recognized ASTM lab standards, but also pass field disintegration testing in the processes they go into
- 💧 The City of Ann Arbor facility is a windrow facility (CMA-W)
- 💧 CMA will provide overview of program



# Steps of site management

## GRINDING OF INBOUND YARD WASTE

- Wood waste
- Combined yard waste
- Sometimes first and second grind
- These ground piles are moved to windrows



# Windrow processing

PAPER BAGS ARE CLEANER AND LESS  
CONTAMINATED

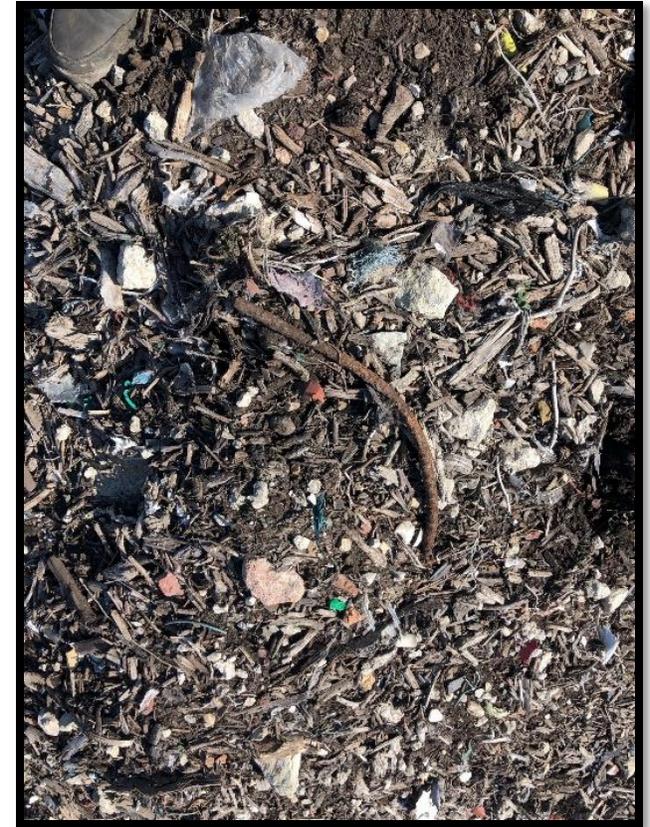


CONTAMINANTS CONCENTRATE



**Issues with Plastic  
contamination  
to Denali  
(and our customers)**

**DENALI**  
"Waste should not be wasted"



# Outbound markets

## MARKET SECTORS

- Landscaping
  - Trees and shrubs
  - Turf
  - Topdressing
- Organic farming –Certified organic USDA
- Nurseries in field or containers
- Topsoil blenders
- DOT projects



**DENALI**  
"Waste should not be wasted"





# WHAT IS CMA?



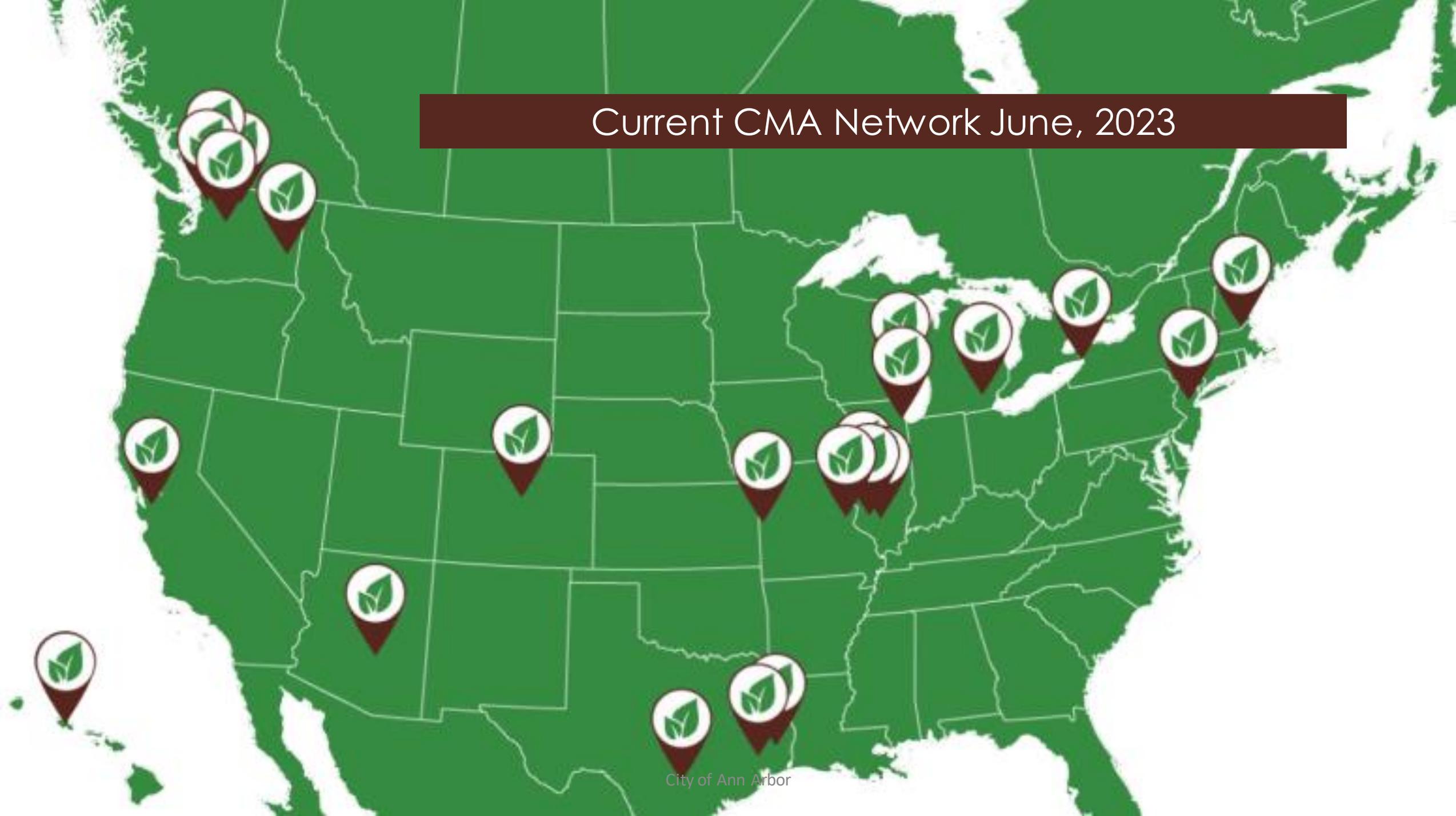
## Third-Party Compostable Products Certification

Connecting the  
**Supply Chain**



to the  
**Compost Piles**

# Current CMA Network June, 2023



City of Ann Arbor



Contaminants in  
compost are costly!

Compost manufacturers  
must be involved in  
understanding the products  
designed for their facilities.

# CMA PROCESS TECHNOLOGIES

Windrow (CMA-W)

Covered In-Vessel (CMA-I)

Aerated Static Pile (CMA-A)



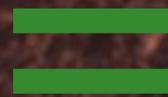
# THIRD PARTY CERTIFIER- COMPOSTABLE ASTM + FIELD DISINTEGRATION



ASTM D6400/D6868 results  
review **OR**  
equivalent certification



Field Disintegration Test  
**OR** untreated paper  
and wood



Composter Approved and Certified for Compostability

City of Ann Arbor



# PFAS FLUORINATED CHEMICALS POLICY

## Foodservice Packaging

Effective January 1, 2021, Any items in these categories that are on the acceptance list will be taken off.

- Items confirmed to contain > 100 ppm total fluorine
- Any items that have not been responded to with the requested documentation

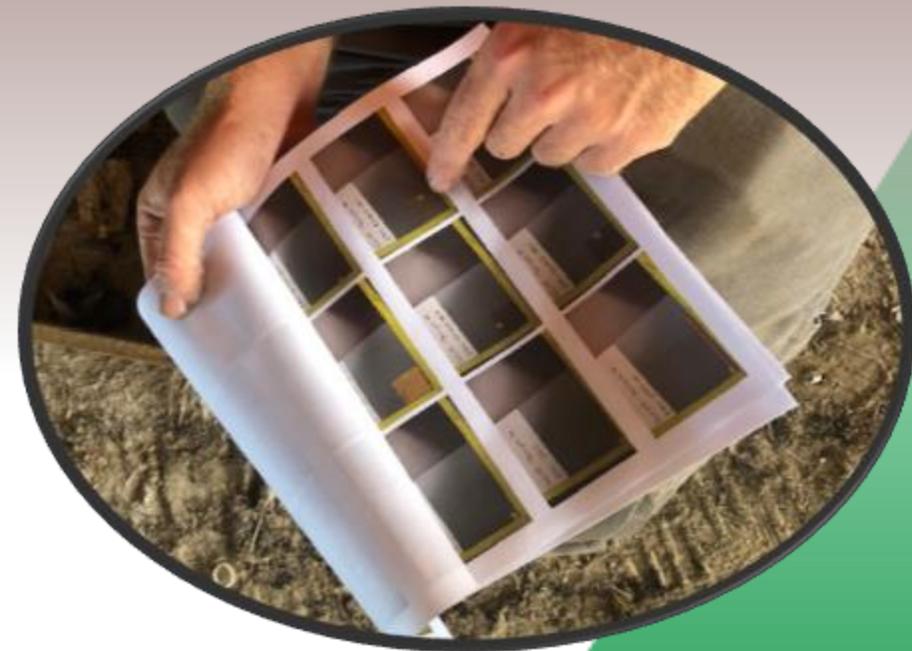
# TESTING PROCESS



Visual data is recorded and logged

Samples are placed in nylon bags

80% Feedstock  
20% Products



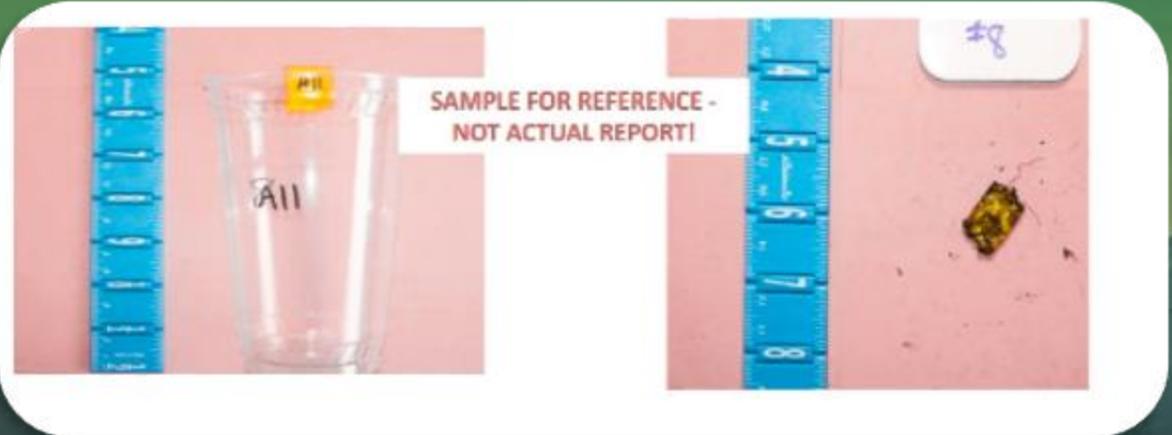


# FRAGMENTS ARE PULLED AND BAGGED



Samples brought back to CMA testing center in Seattle, photographed and reported.

Feedstock sample data is also collected and sent out for lab analysis.



### Field Summary, Feedstock Analysis Results

SAMPLE FOR REFERENCE - NOT ACTUAL REPORT!



Bag	Dry Weight Basis					Wet Wt. Basis	
	pH	EC	BD	N	TOC	C:N	Moisture
A	4.7	4.08	616	1.38	40.7	29	60
B	4.8	5.26	604	1.45	42.9	30	65.9
C	4.8	4.98	630	1.23	39.1	32	62.1
D	5	4.89	714	1.47	39.6	27	63.1
E	4.8	4.89	759	1.29	39.8	31	63.4
F	4.5	4.61	789	1.29	40.6	31	64.1
Average	4.77	4.79	685.33	1.35	40.45	30	63.1

Category	Manufacturer
<b>Food Trays</b>	Cascades Canada ULC
	Eco Products
	Inno-Pak
	Southern Champion Tray
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# GOAL

CMA works to ensure collective investments are **connected**

**Citizens/Sustainability Groups**

Community Members

**Capacity/Infrastructure**

Composters

**Cities, Haulers**

Outreach, Collection

**R&D, Product Development**

Product Manufacturer



# CONTACT US



**Susan Thoman**

**Compost Manufacturing Alliance**

*Managing Director*

**[susan@composterapproved.com](mailto:susan@composterapproved.com)**

**206.755-8309**

## Supply Chain Logistics Partner: Bunzl

Responding to market requirements with environmentally friendly product ranges and continuously developing the “Green” product range available to distributors in Ann Arbor

- Degradable
- Certified Compostable
- Recycled
- Recyclable or reusable





## Ann Arbor CMA Certified Product Availability

- ✓ CMA+ Bunzl are working in national collaboration to ensure products are stocked in CMA facility regions
- ✓ Bunzl is a logistics giant that is doing outreach as a supply chain expert to distributors carrying niche lines, like compostables

### Local distributors that carry compostables:



#### **Highland Supply**

1415 Enterprise Dr.  
Highland, MI 48357  
248-714-8355

<https://highlandsupply.net>

#### **Green Safe Products**

14805 Linwood St.  
Detroit, MI 48238  
313-326-3100

<https://greensafeproducts.com>

#### **BGreen**

3660 Plaza Dr, Suite 6  
Ann Arbor, MI 48108  
734-214-3000

<https://bgreentoday.com>

#### **My Green Michigan**

877-304-5810

[office@mygreenmi.com](mailto:office@mygreenmi.com)



# My Green Michigan

Organics collection and composting.

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Convenient and effective solutions to divert food waste:

- Subscription, single-stream collection.
- Customizable & flexible service options:
  - 64 gallon curbside carts – any number on site.
  - Choice of bi-weekly, weekly, and 2x per week pick up.
- Wide range of accepted materials – ALL food items.
- Source for purchasing CMA approved products.
- Disposal to industrial composting.



Service is offered in partnership with Waste Management.

Sign up by emailing: [miohinpublicsector@wm.com](mailto:miohinpublicsector@wm.com)  
or at the city's website: [url.a2gov.org/cmacompost](http://url.a2gov.org/cmacompost)

## More information

[url.a2gov.org/cmacompost](http://url.a2gov.org/cmacompost)

Questions?



**THANK YOU**

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