

# Organics Collection Pilot Program 6 Month Update

October 2013





# Current Yard Trimmings Collection Program

- ❖ Yard trimmings collection was initiated in the City of Austin in 1993.
- ❖ Yard trimmings are collected curbside weekly for single-family residential customers.
- ❖ Yard trimmings are delivered to the Hornsby Bend Biosolids Management Plant ground and combined with treated sewage sludge to create "Dillo Dirt".

# Organics as part of the Zero Waste Program

- ❖ The overall goal of the Zero Waste Program is to strive for no waste burned or buried.
- ❖ Organics materials represent more than 47 percent of the materials disposed in landfills.
- ❖ Diverting organics from the discard stream is a key component of the City of Austin's Zero Waste plan.





# Organics Pilot Program

## Pilot Program Goals

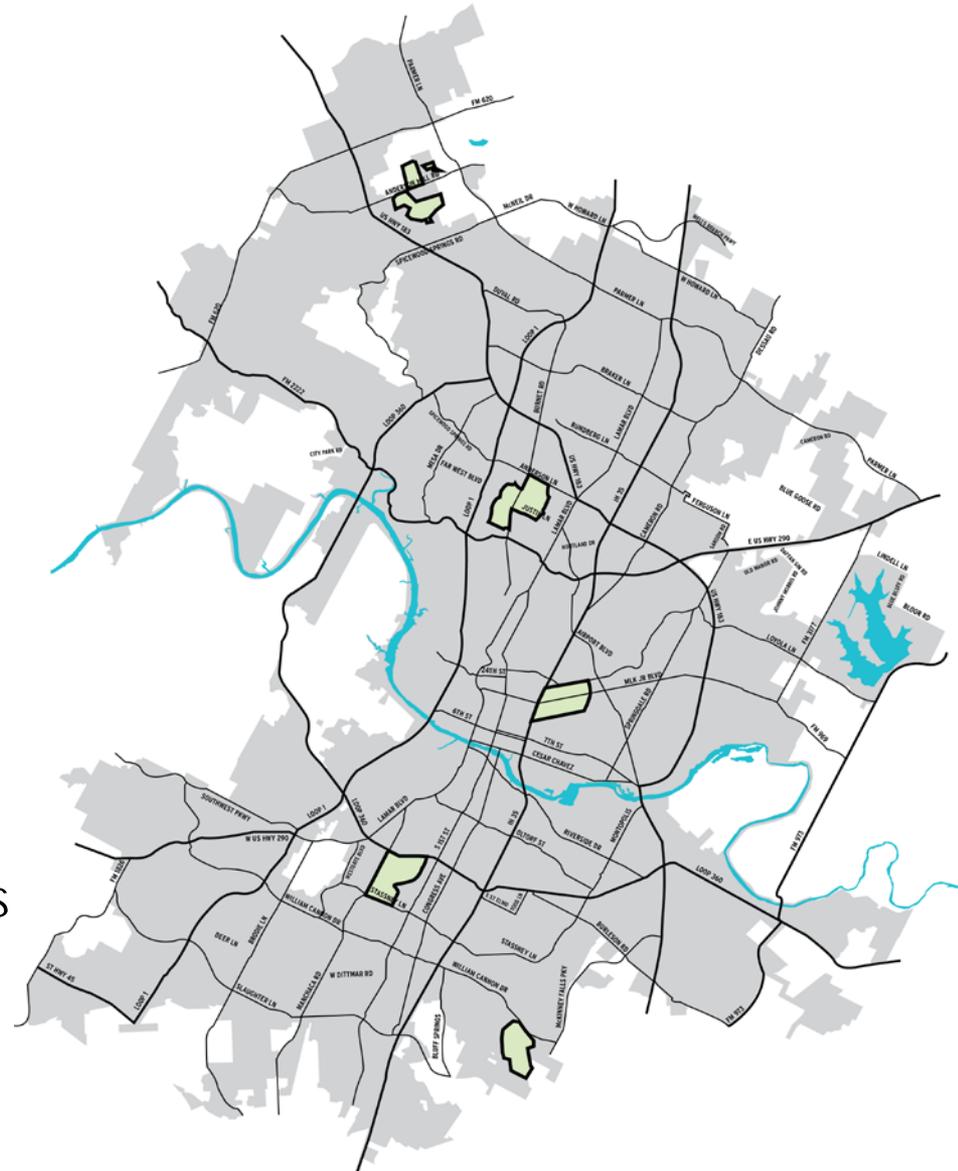
- ❖ Test collection efficiency, optimal route sizes, number of routes, staff needs
- ❖ Determine participation rates, cart sizes, contamination issues
- ❖ Determine affect on trash volumes and contamination issues
- ❖ Gauge public acceptance
- ❖ Processing capabilities



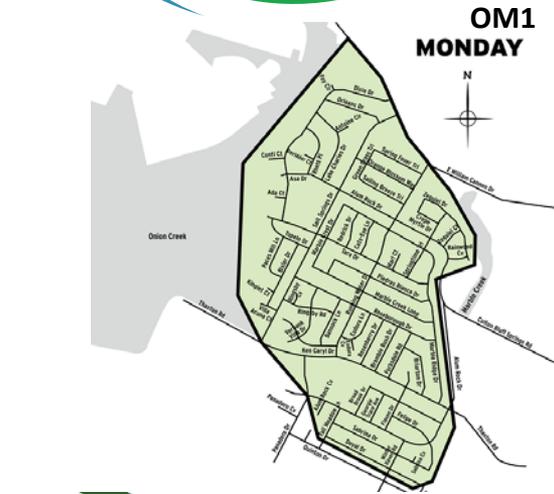
# Organics Routes

Weekday	Household Count
Monday	1600
Tuesday	1640
Wednesday	1497
Thursday	1631
Friday	1534

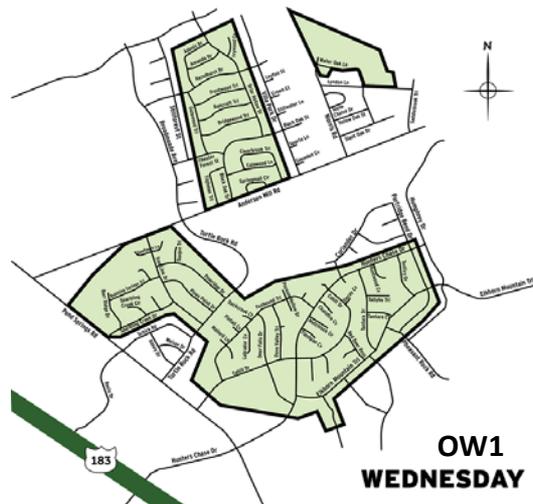
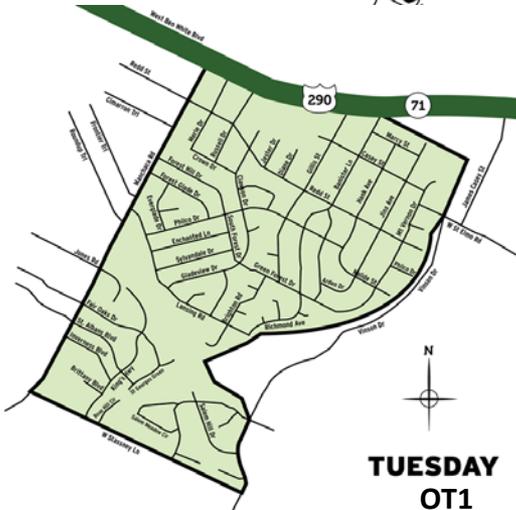
7,900 homes were selected to represent the City's demographics



# Organics Cart Set Out By Day of Week



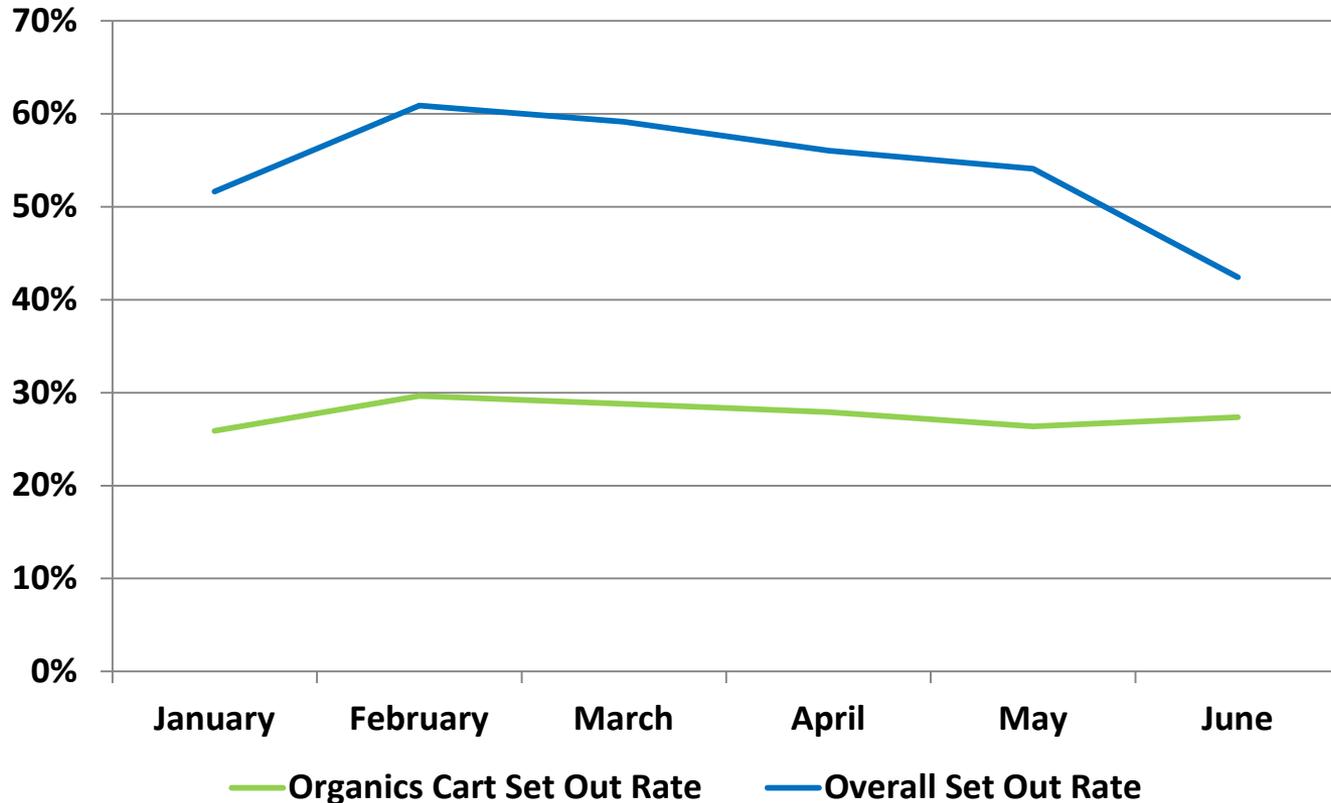
Weekday	Organic Cart Set Out	Overall Set Out
Monday	21%	42%
Tuesday	31%	61%
Wednesday	30%	60%
Thursday	35%	72%
Friday	20%	42%





# Cart Set Out Rate

January 2013 through June 2013



An Overall Set Out can include the ARR Organics Pilot Cart as well as bags, bundles and personal carts.



# Tonnage

Organics Routes		Adjacent Yard Trimming Routes		Organics Increase	
Avg Lbs/HH		Avg Lbs/HH		Lbs	%
Monday	7.11	Monday	5.18	1.93	27%
Tuesday	12.48	Tuesday	8.48	3.99	32%
Wednesday	13.29	Wednesday	4.80	8.49	64%
Thursday	12.92	Thursday	9.14	3.78	29%
Friday	6.67	Friday	5.84	0.83	12%
<b>Average</b>	<b>10.51</b>	<b>Average</b>	<b>6.46</b>	<b>4.05</b>	<b>39%</b>

Based on a 6 Month Average of January 2013 through June 2013

# Collection Trucks

- ❖ Type of Trucks selected - Multi-Pack vehicles capable of both automated and semi-automated collection.
- ❖ If the automated has a failure the operator is still able to use the rear tippers to continue collecting the route.



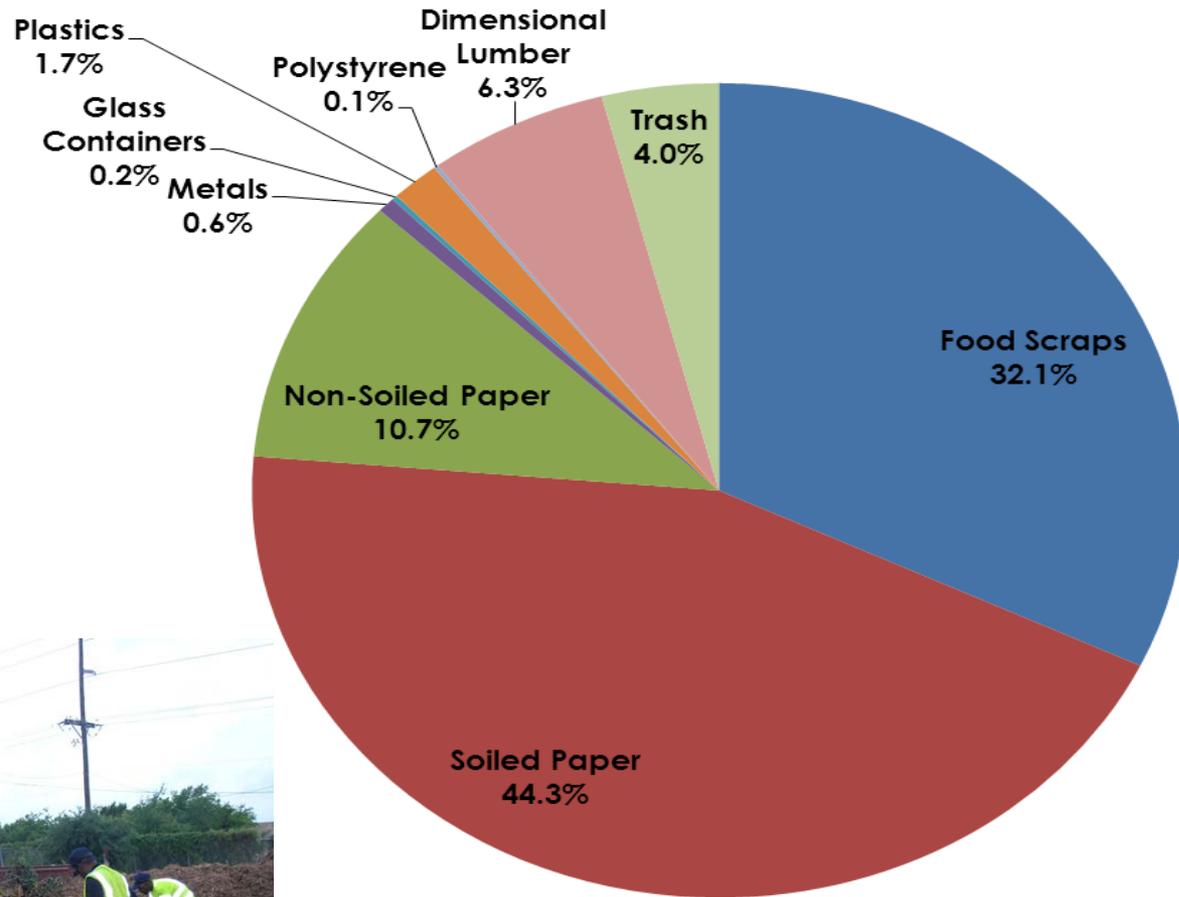
# Key Findings

## Routes

- ❖ Route sizes (1600 homes) may be too large for a crew to service.
- ❖ It will be difficult to fully automate routes due to the excess material outside of carts.
- ❖ A small collection vehicle is needed to service alleys and tight cul-de-sacs.



# Audit Results



Data collected during an internal audit conducted on June 28, 2013





# Customer Education



Welcome Packet



Brochure with Cart

# Customer Education



Website



Instructional Videos



Neighborhood Open Houses



# Questions?

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