

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 Bio-solids 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

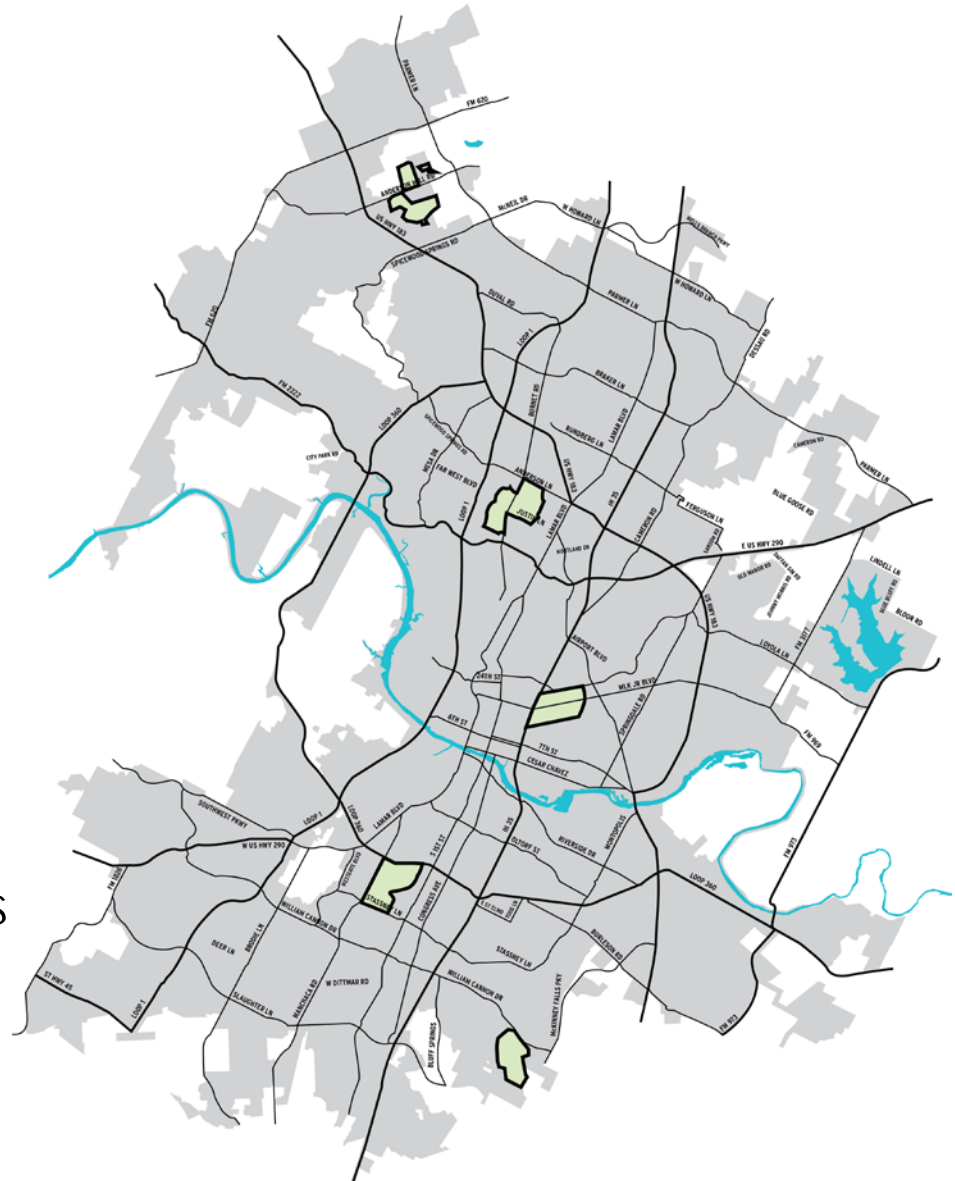
- ❖ Test collection efficiency, optimal route sizes, number of routes, staff needs
- ❖ Determine participation rates, cart sizes, contamination issues
- ❖ Determine affect on trash volumes and contamination issues
- ❖ Gauge public acceptance
- ❖ Processing capabilities



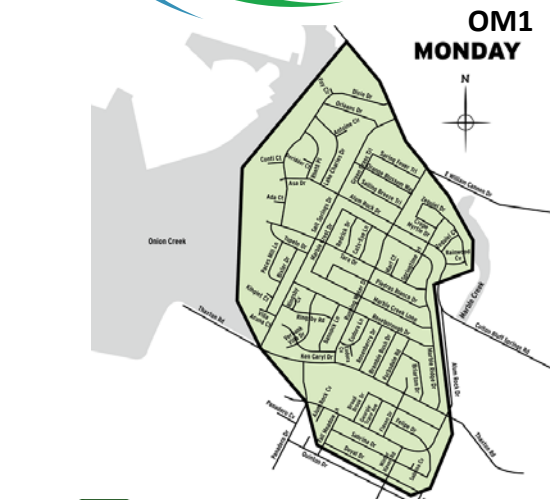
Organics Routes

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

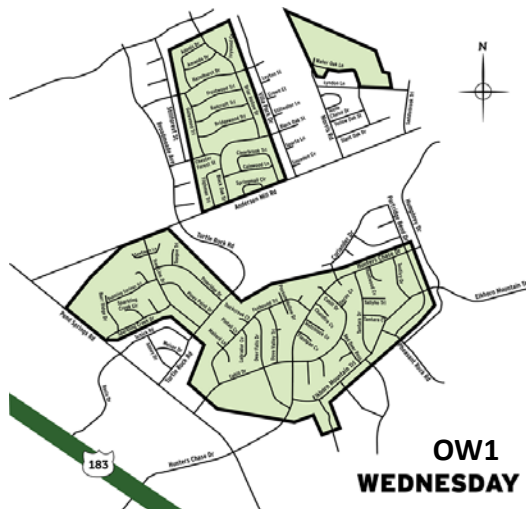
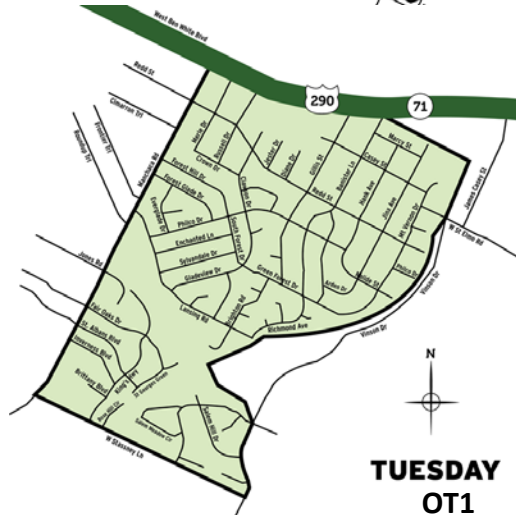
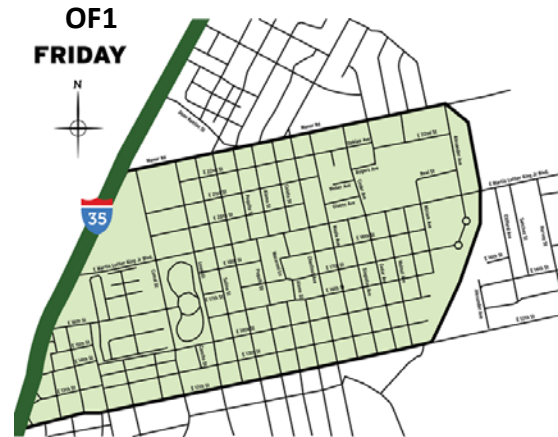
7,900 homes were selected to represent the City's demographics



Organics Cart Set Out By Day of Week



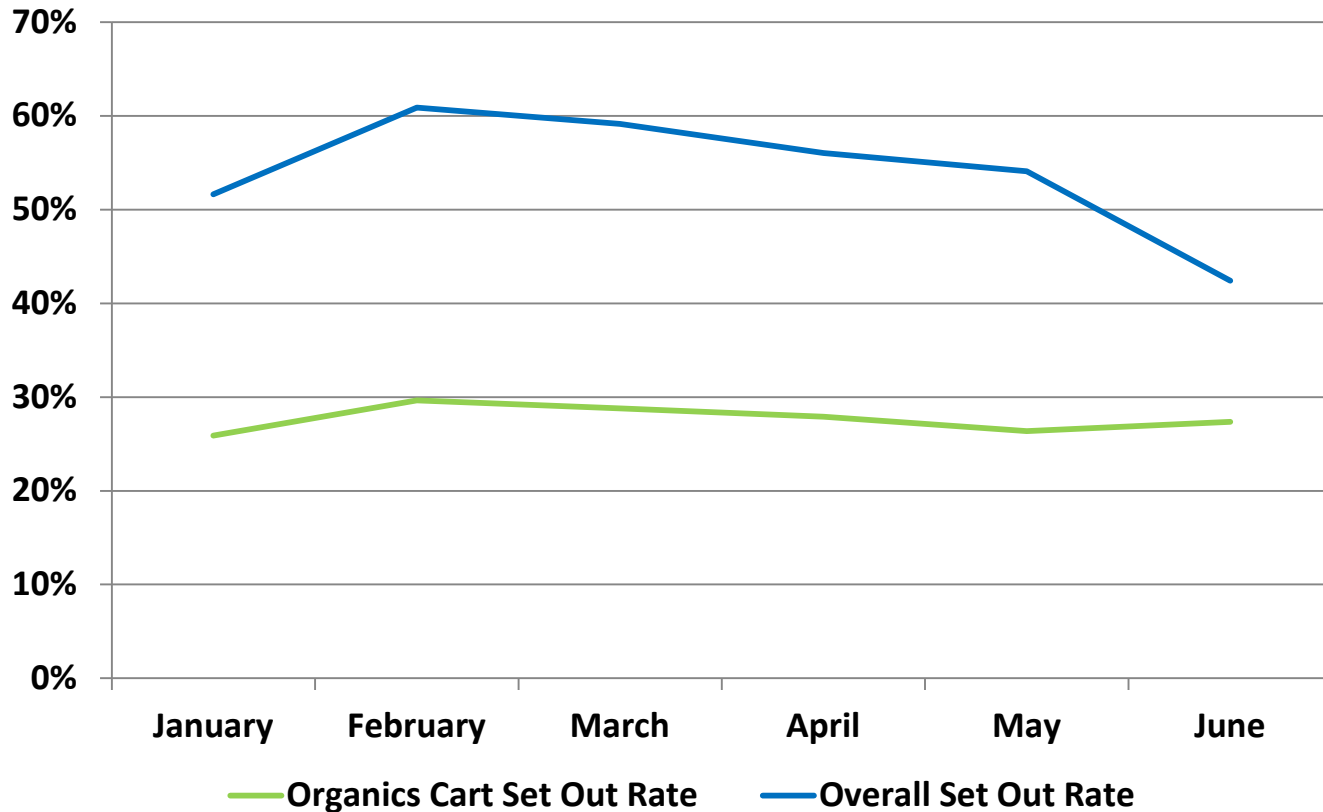
| Weekday | Organic Cart Set Out | Overall Set Out |
|-----------|----------------------|-----------------|
| Monday | 21% | 42% |
| Tuesday | 31% | 61% |
| Wednesday | 30% | 60% |
| Thursday | 35% | 72% |
| Friday | 20% | 42% |





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% |
| Average | 10.51 | Average | 6.46 | 4.05 | 39% |

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.



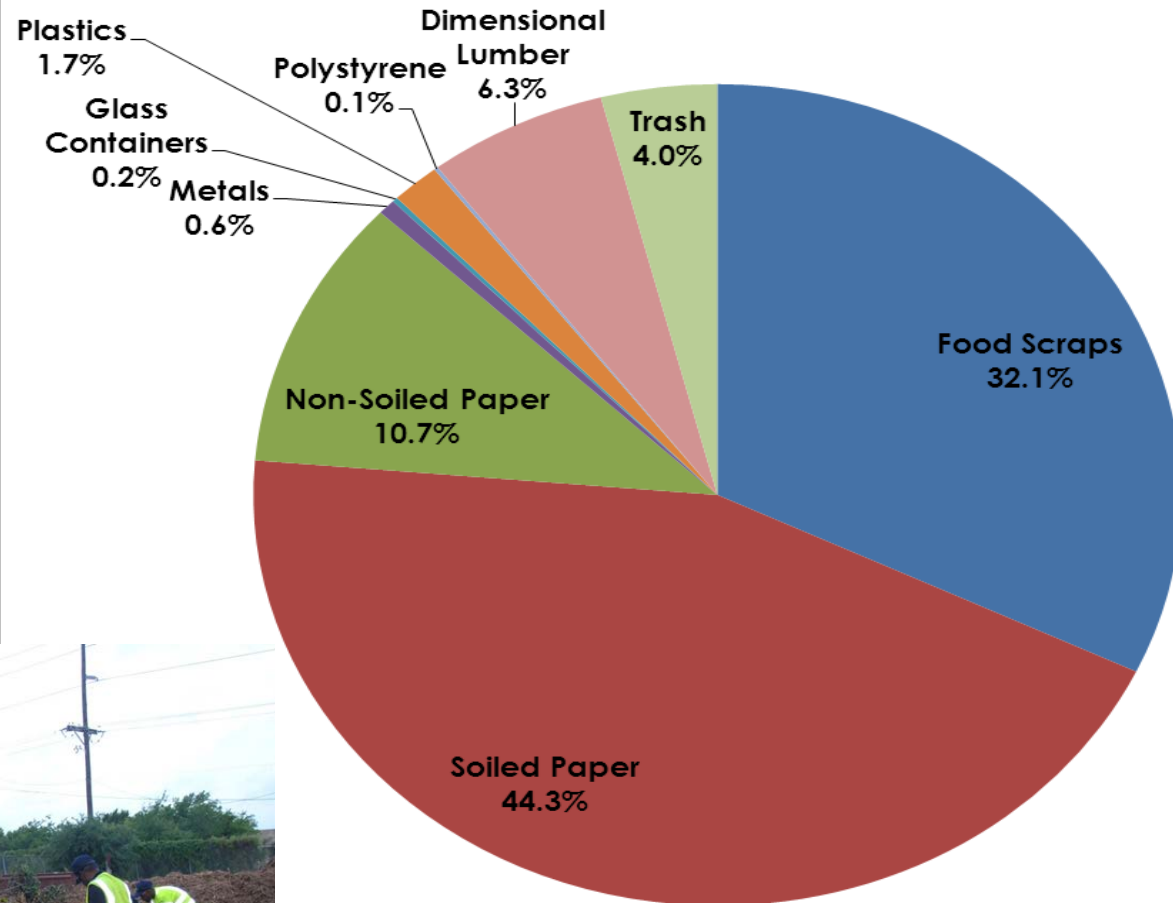
Key Findings

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?

Vidal Maldonado

512-974-7687

vidal.maldonado@austintexas.gov

