



# Solid Waste Master Plan

## Priorities

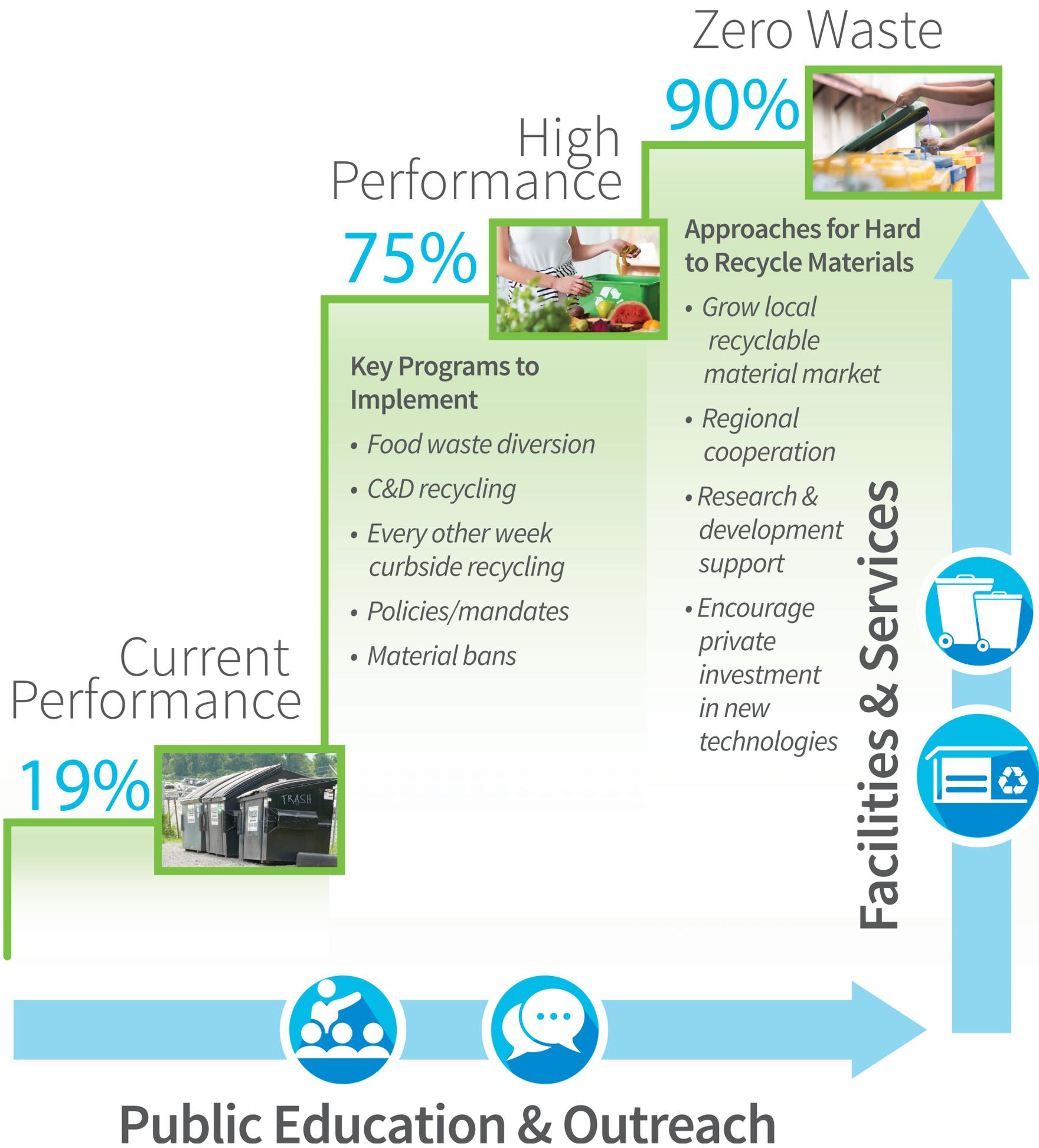
1. Reach zero waste-defined as 90% diversion from landfill disposal
2. Increase recycling, food waste reduction and recovery, and composting programs throughout Davidson County
3. Adopt recycling and recovery programs targeted towards the growing construction and demolition waste stream
4. Strengthen public education and outreach programs



Scan this code or visit  
[ZeroWaste.Nashville.gov](http://ZeroWaste.Nashville.gov)  
to take our online survey!



# How to Get to Zero Waste





# What the Best Zero Waste Programs have in Common



## Save-As-You-Throw



Strong public education and outreach programs



State commitment towards zero waste to enlarge reach of program deployment



Adoption of waste reduction policies and mandates that promote zero waste



Established metrics for measuring success



**APPROVED**

Commitment expressed through budgetary approval



# Policies Critical to Solid Waste Master Plan Success



Uniform service delivery and program implementation policies across Davidson County

- *Create all-inclusive programs, goals, service levels, and metrics*
- *Countywide access to services and facilities*



Provide sustainable funding sources

- *Address Urban Service District and General Service District funding dynamics (tax base vs. subscription)*
- *Authority to implement license or household fees*



Residential and commercial collection

- *Save-as-you-throw*
- *Hauler contracting*



Enforcement of disposal bans for targeted recyclable materials

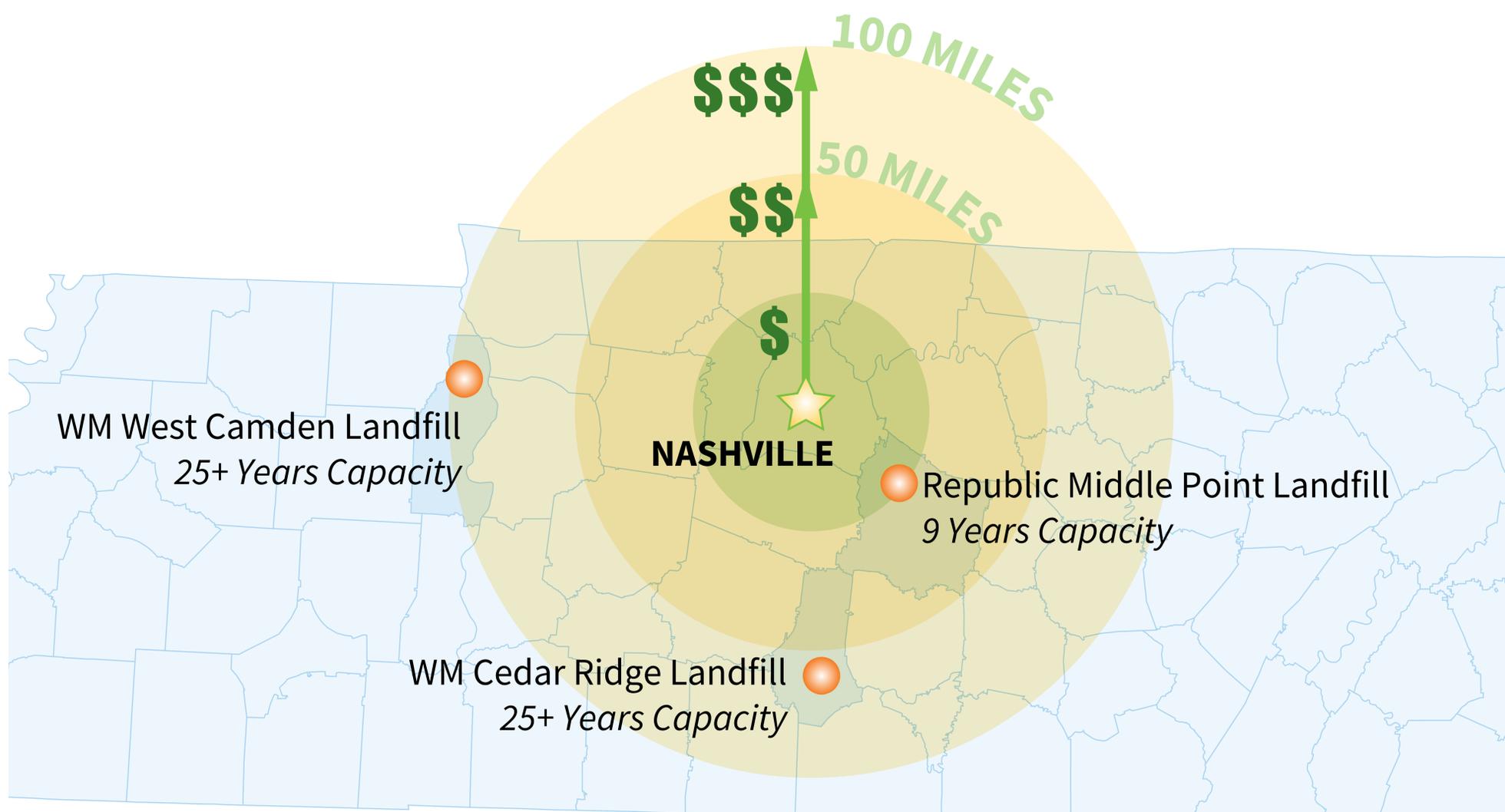


Expansion of programs regionally

- *Improve cost-effectiveness of facilities*
- *Create incentives for increased public and private partnerships*



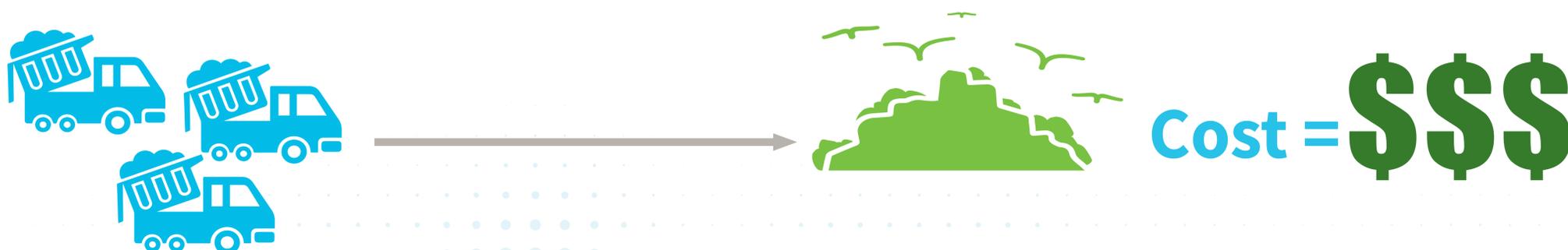
# Landfill Disposal Capacity Challenge



Currently, waste is hauled 36 Miles to Middle Point LF:



After Middle Point LF closes, waste will be hauled 55-95 miles and in greater quantities to West Camden or Cedar Ridge LFs:





# Increasing Organics Diversion



Food Scraps

**OTHER COMPOSTABLES**

napkins, paper towels, paper plates, tea bags, coffee grounds/filters, paper streamers, paper towel rolls, coffee grounds, floral trimmings, leaves, grass.

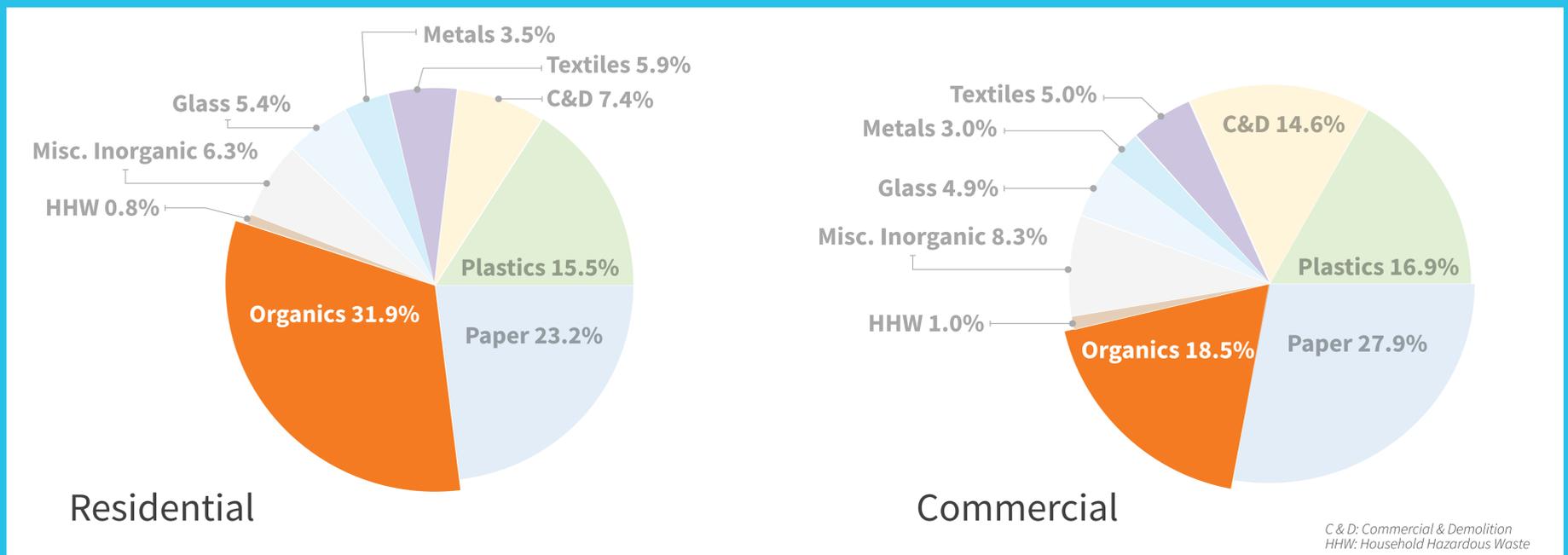
**NO!**  
No meat or fish, bones, dairy products, diseased plants, weeds that have gone to seed, pet wastes.

Compostable Paper



Yard Waste

## ORGANICS IN LANDFILLED WASTE



## FOOD RECOVERY & WASTE REDUCTION

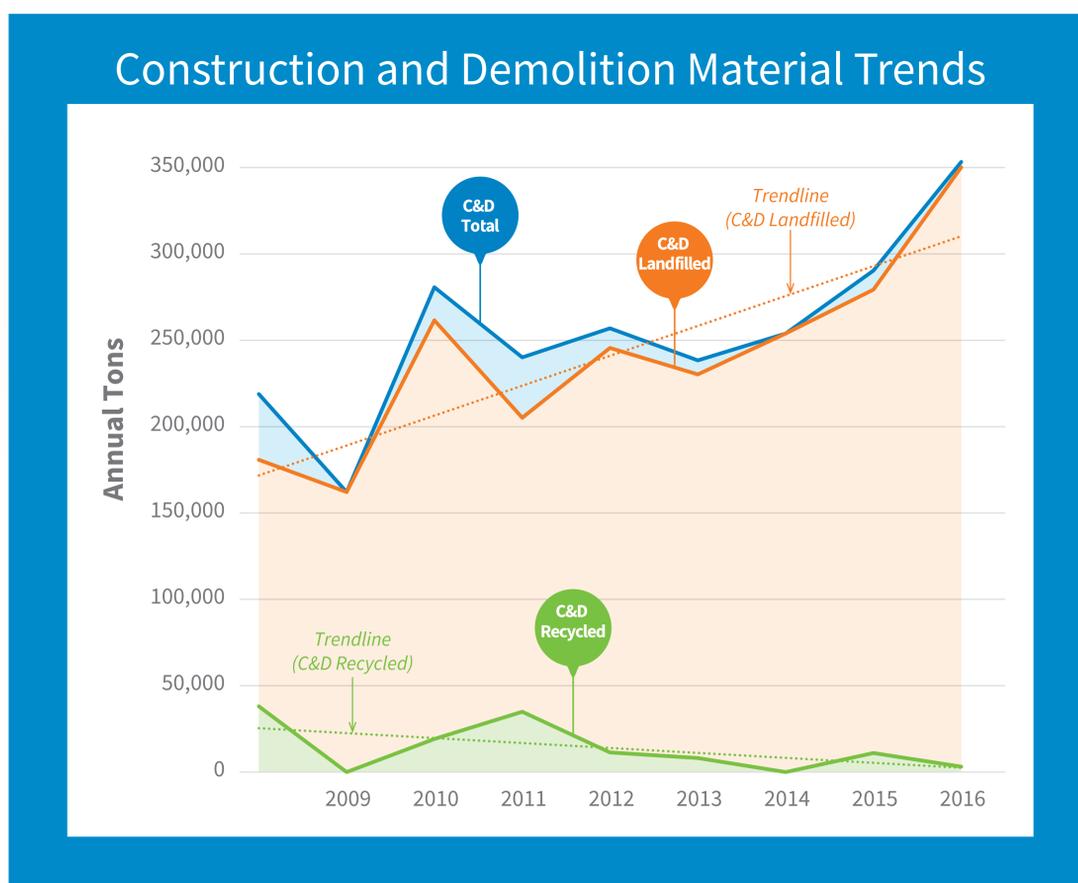
- ✓ Implement food recovery ordinance
- ✓ Promote food waste reduction
- ✓ Ban food waste from landfilling
- ✓ Support local non-profit efforts to reduce food waste





# Construction Growth Means Greater Recycling Opportunities

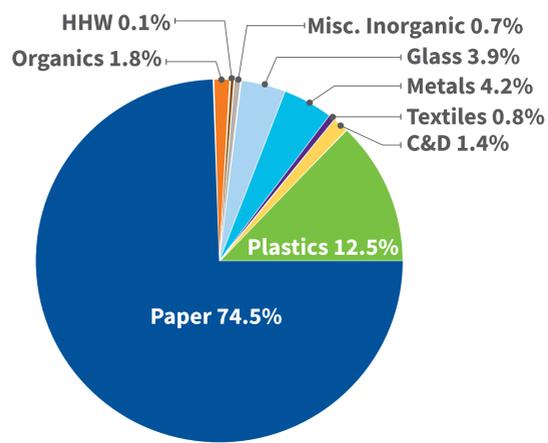
- ✓ Construction and demolition (C&D) waste is significant portion of landfilled material
- ✓ Potential for high diversion of wood, plastics, concrete, drywall, asphalt, brick, and metals
- ✓ C&D Deposit System incentivizes higher diversion
  - *Deposit required when applying for building permit*
  - *Builder reclaims funds if they meet recycling threshold*





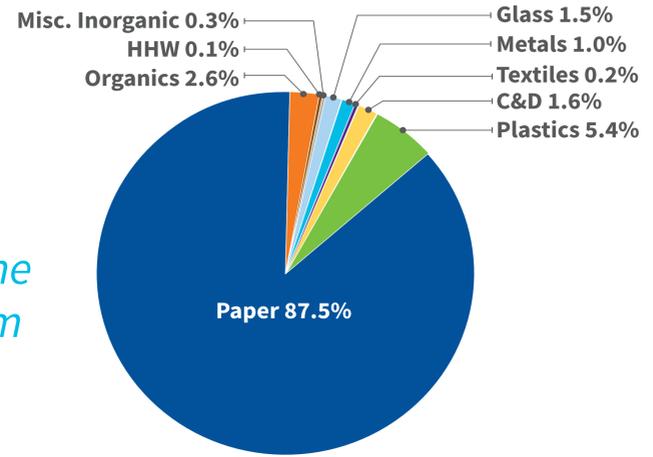
# Current Recycling Performance

## RECYCLED WASTE PROFILE



Residential Recycled Waste

*Paper is the largest component of the recycling stream*

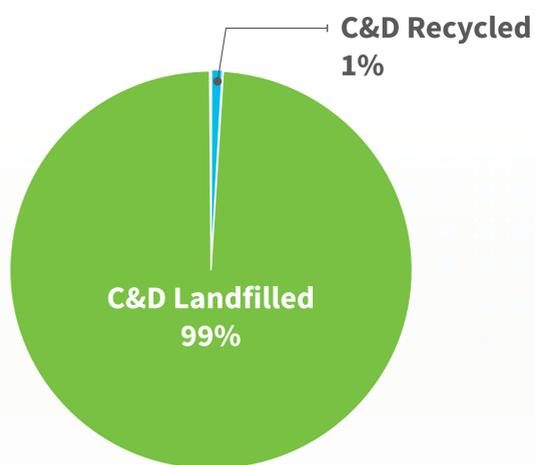


Commercial Recycled Waste

C & D: Commercial & Demolition  
HHW: Household Hazardous Waste

### Davidson County Construction & Demolition Debris (C&D)

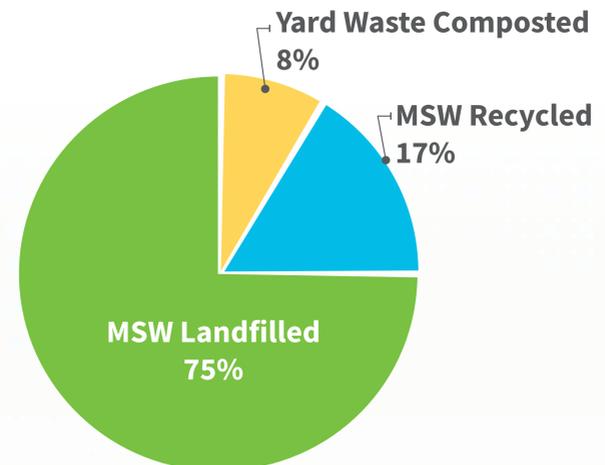
*Generated in 2016*



353,000 tons

### Davidson County Municipal Solid Waste (MSW)

*Generated in 2016*

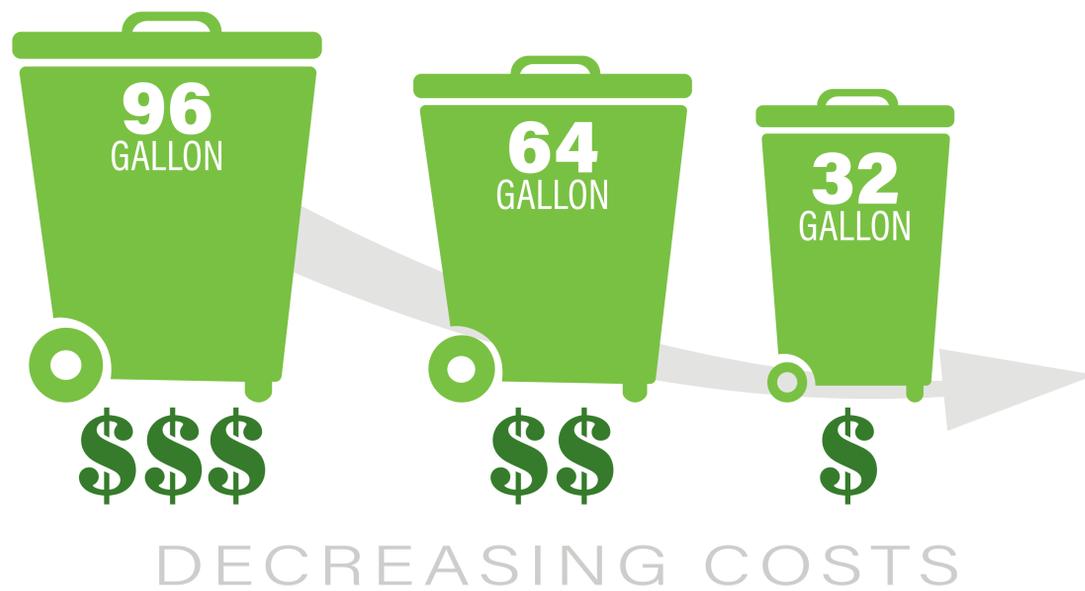


1,200,000 tons



# Enhanced Collection Program

## Save-As-You-Throw



## Three Bin System



- ✓ Three bin system: trash, recycling, and organics
- ✓ Cost of recycling and organics included in trash fee
- ✓ Incentivize behavior to increase recycling and composting
- ✓ Equitable pricing



# Metro Construction Projects Recycled Content Ordinance

- ✓ Set recycled content levels for building materials
- ✓ Develop standards for reuse of glass, concrete, asphalt, and residual plastics (e.g. Honky Tonk glass to be used as aggregate)
- ✓ Require use of compost on road projects
- ✓ Model Communities: Austin, Seattle, San Francisco

