

Solid Waste Master Plan

Nashville and Davidson County

CLEAR GLASS
CLEAR GLASS

BROWN GLASS
BROWN GLASS

GREEN GLASS
GREEN GLASS



September 7, 2017

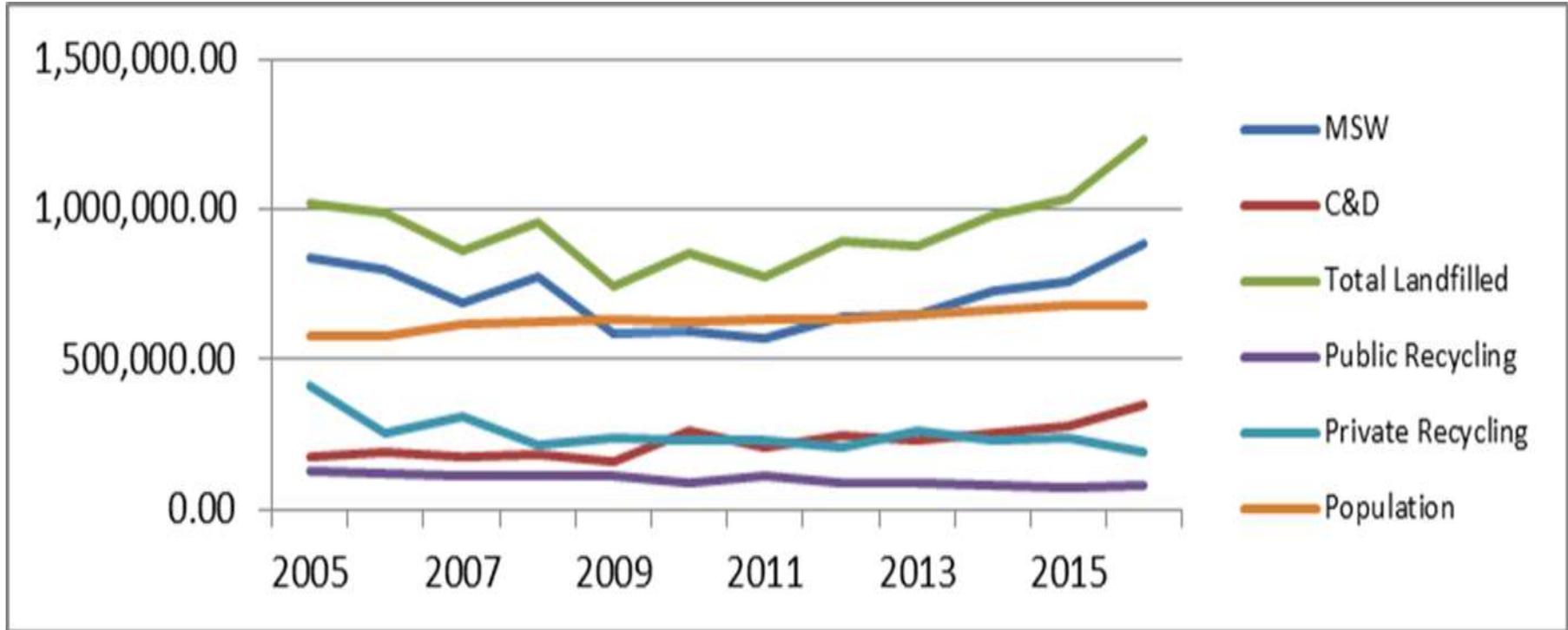
**CDM
Smith.**

Why Zero Waste?

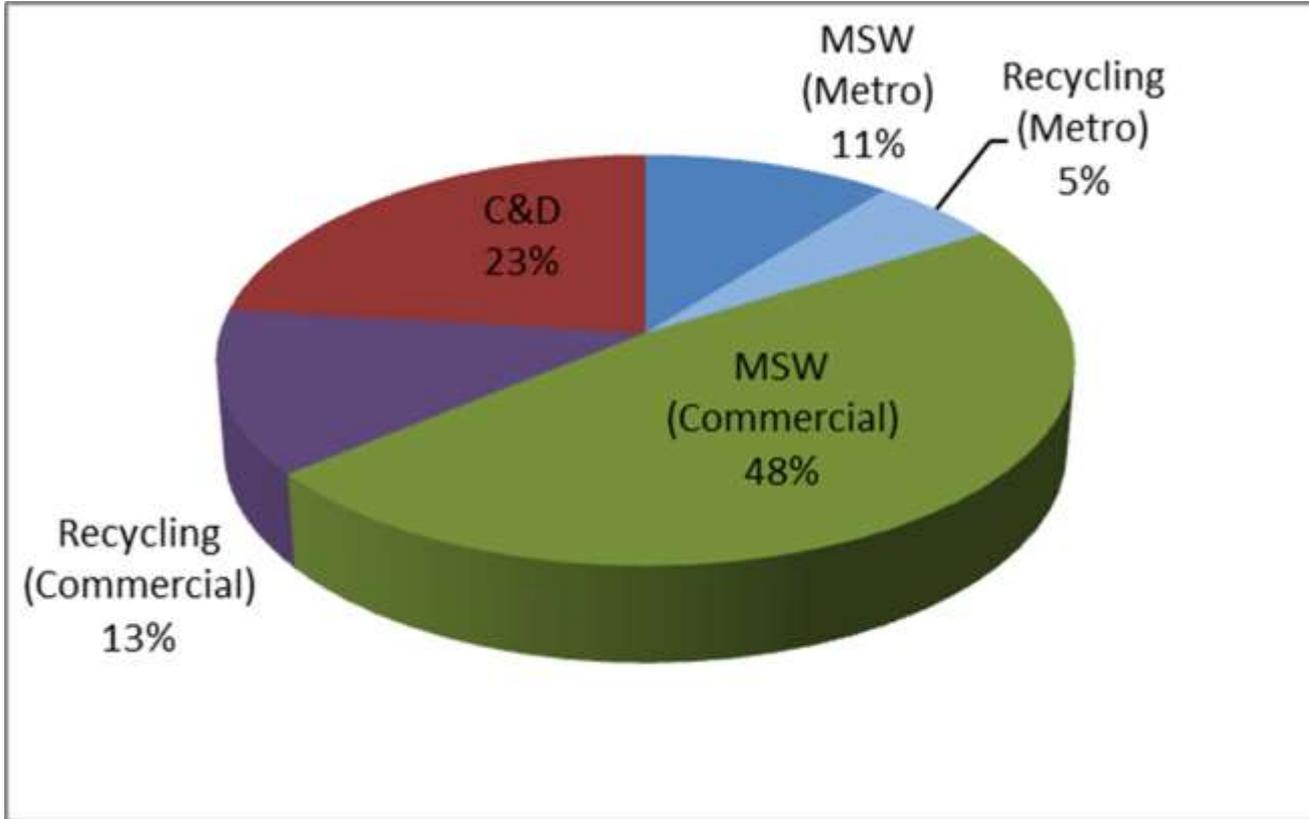


- Residents wanting “Greener” services
- Environmentally conscious elected officials
- Increase in waste generation (MSW & C&D)
- Disposal contract ending
- Closest landfill closing
- Solid Waste Region Board
- Need for an implementable plan to bring about change

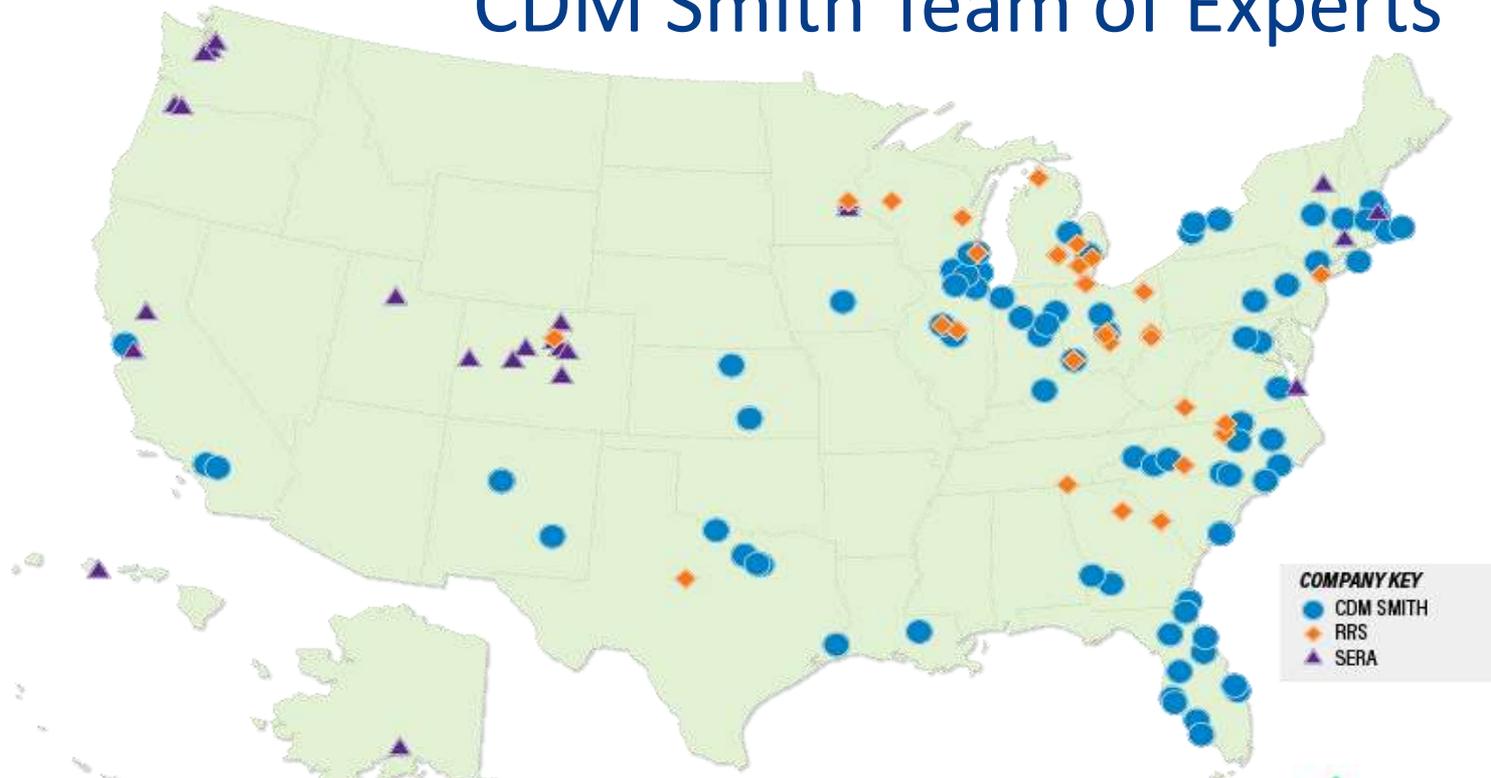
Why Zero Waste?



Control of MSW & Recycling Streams



CDM Smith Team of Experts



Task Force Process and Member Role



- Members represent a broad range of interests and issues;
- Task Force is set to meet quarterly throughout the development of the plan;
- Members will have a variety of options for input and discussion.



Solid Waste Master Plan Priorities



- Aggressive timeline for reaching zero waste defined as 90% diversion from disposal
- Actionable implementation plan: clear goals, metrics, and timelines
 - Prioritized recommendations
- Consider food waste management
- Evaluate community equity component
- Best approaches to education and promotion



Solid Waste Management Plan Tasks



- **Task 1** - Research
- **Task 2** - Evaluation
- **Task 3** – Public Engagement
- **Task 4** – Plan Development, Recommendations, and Goals
- **Task 5** – Cost Studies
- **Task 6** – Waste Stream Characterization
 - Subtask – Recycling characterization in partnership with TDEC



Waste & Recycling Characterization Study



- Understanding of the disposal and recycling habits of the Metro Nashville area (i.e.; USD vs GSD)
- Comparison to metropolitan areas in the region and across the US
- Target waste materials that will provide the most landfill diversion
- What materials are being recycled?
- What materials are not being recycled?
- What materials are contaminating the recyclables?



Waste & Recycling Characterization Study



- Sampling and Sorting will be done in two seasons:
 - Summer (completed) and Fall
 - Peak Tourist Season and Schools are in Session
- Each event lasts 2 weeks (1 week for waste, 1 week for recyclables)
- Study is being performed at:
 - Waste Management Antioch Transfer Station
 - Republic Services Transfer Station
 - Waste Management River Hills Materials Recovery Facility



Waste & Recycling Characterization Study



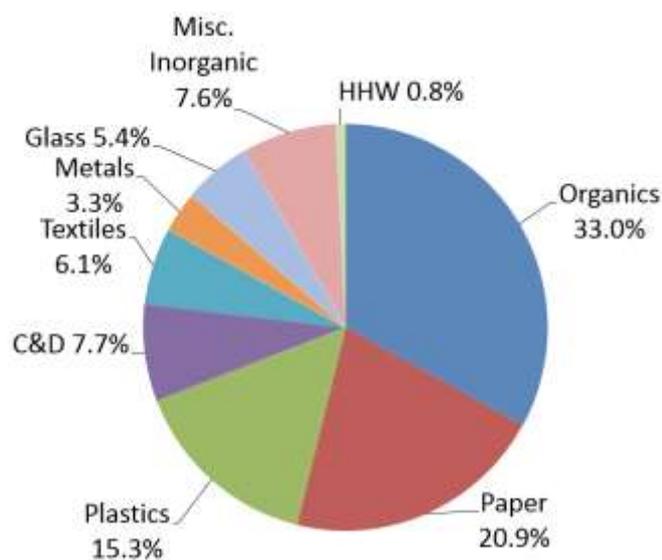
- Summer Season was performed in July



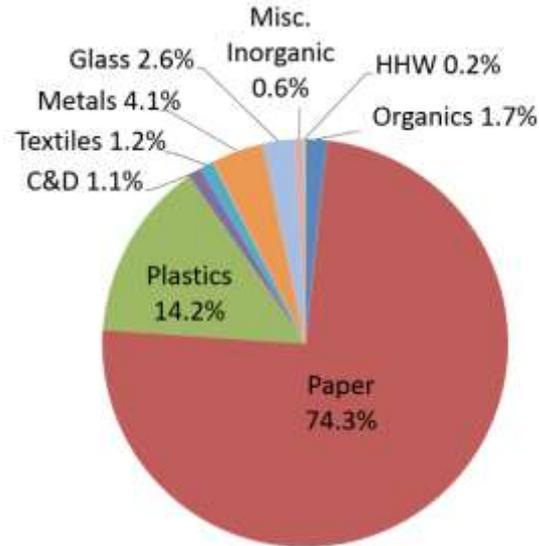
Waste & Recycling Characterization Study



- Sampling of Summer Season Results: Residential Waste and Recyclables



Landfilled Waste



Recovered Waste

Public Engagement Forums



- Solid Waste Region Board Meetings
 - September 2017, December 2017, March 2018, and June 2018
- Task Force Meetings
 - September, December, March 2018, and June 2018
- Public Meetings
 - Discussion of potential recommendations
- Interviews with Metro Council Members
- Online Survey



Next Steps Moving Forward



- Finalize Strategy Research
- Continue Public Engagement
 - Online Survey
 - Meetings with Metro Council and TDEC
 - Solid Waste Region Board Meetings
 - Task Force Meetings
- Waste and Recycling Characterization Fall Sort
- Material Diversion Estimates
- Evaluation of Strategies/Zero Waste Aspects





Questions?

Thank You!

