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

- C&D: 23%
- Recycling (Commercial): 13%
- MSW (Commercial): 48%
- MSW (Metro): 11%
- Recycling (Metro): 5%
CDM Smith Team of Experts

COMPANY KEY
- CDM SMITH
- RRS
- SERA
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
Project Schedule
Davidson County Solid Waste Region Board

- Research, Public Engagement and Characterization Planning - June 2017
- Quarterly Reports to Solid Waste Regional Board – August, November & February
- Draft Plan – February 2018
- Final Plan – March 2018

Please note that the dates on this schedule may be subject to change.
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!