



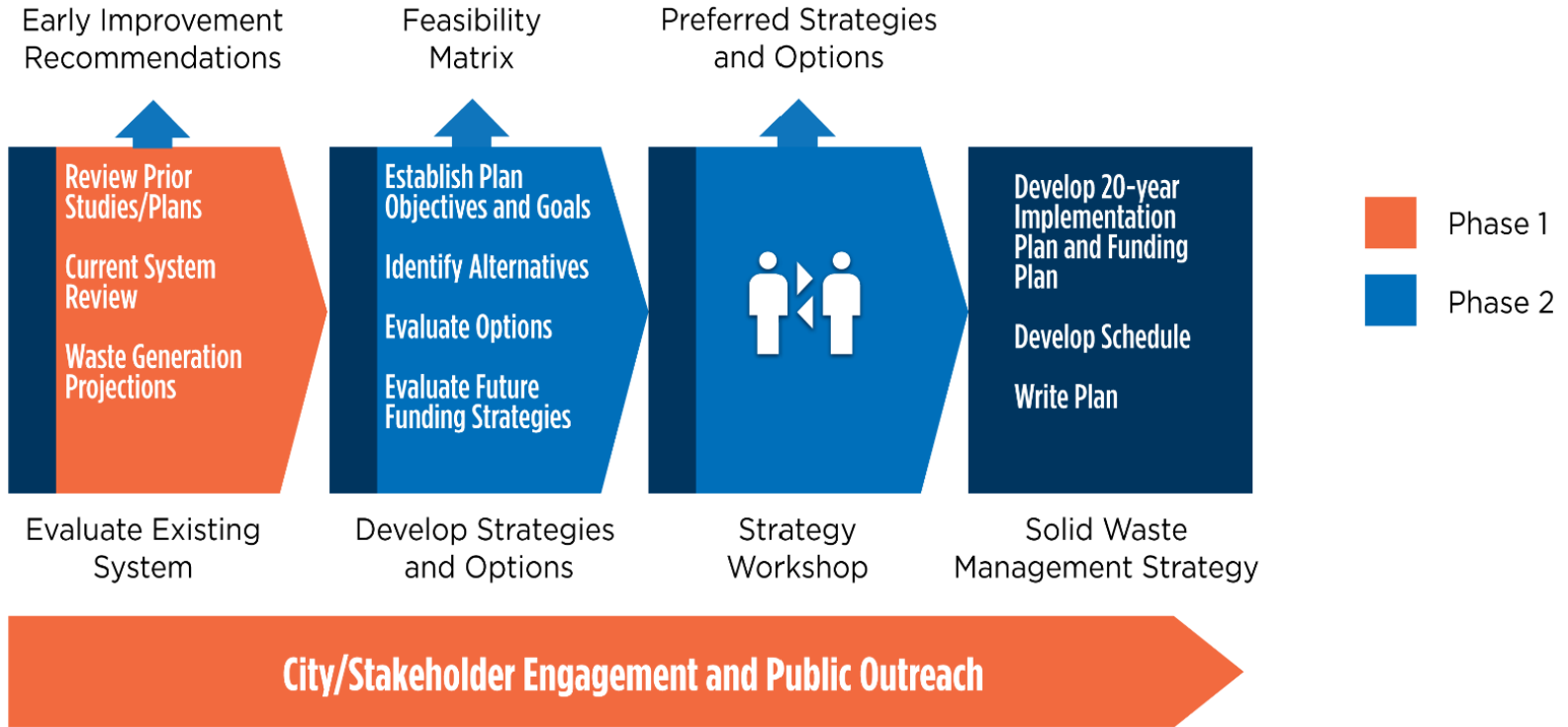
# SOLID WASTE MANAGEMENT STRATEGY

*City Council Work Session*

CITY OF MCKINNEY, TEXAS

June 28, 2022

# Strategy Development Overview





# Guiding Principles

- 1 Develop innovative municipal solid waste (MSW) management methods consistent with the waste management hierarchy to achieve MSW reduction, reuse, and diversion from landfill disposal.
- 2 Provide MSW services that are convenient, environmentally conscious, and cost-effective for customers and the City.
- 3 Enhance aesthetics, services, and pricing equity for Downtown businesses.
- 4 Leverage existing partnerships and explore new partnership opportunities to effectively implement MSW management services.
- 5 Strategically utilize program data and technology for informed decision-making.

# Guiding Principles

1

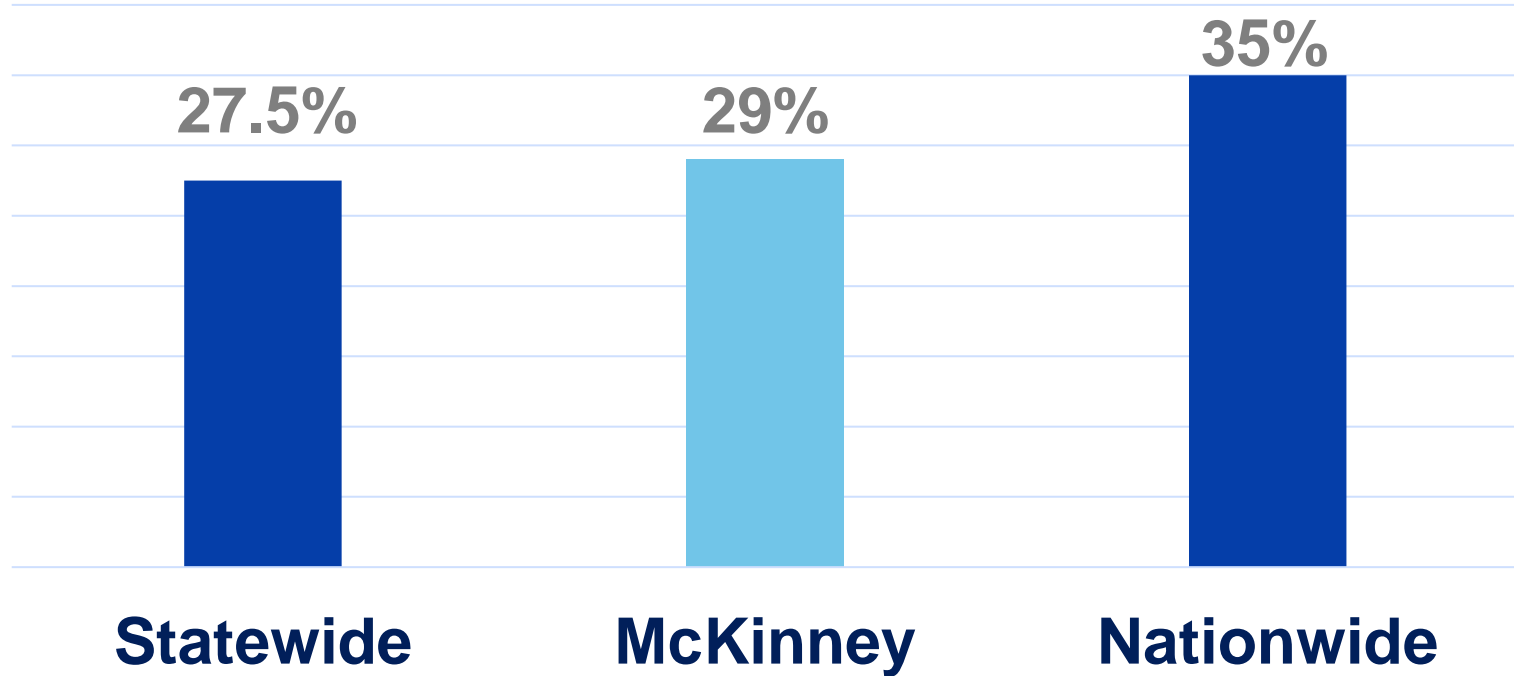
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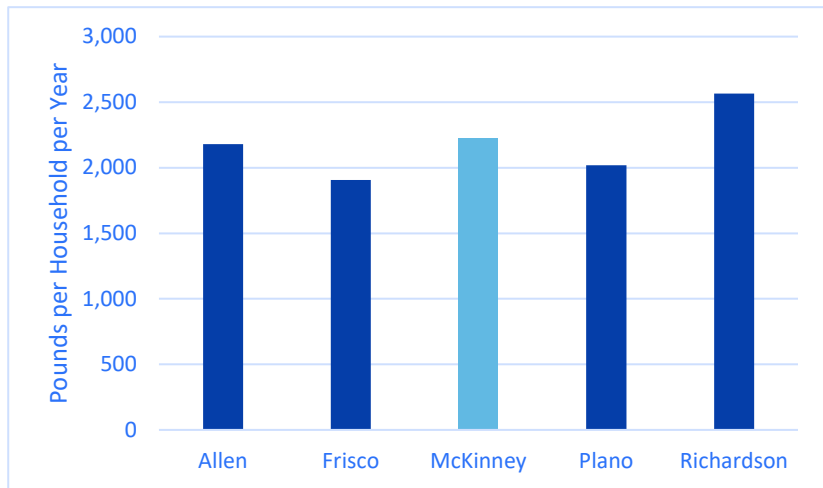
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# Data Insight: Recycling Rates

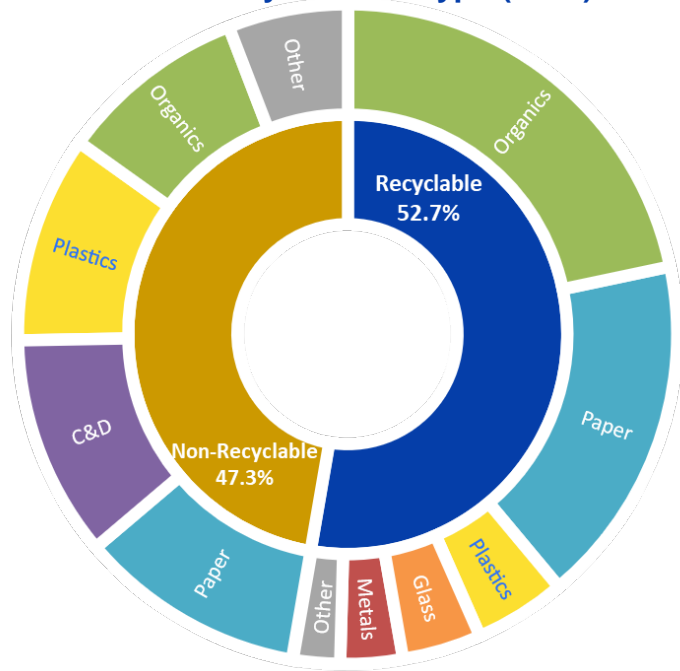


# Data Insight: Landfill Disposal

Disposal Per Household for NTMWD Member Cities (2020)

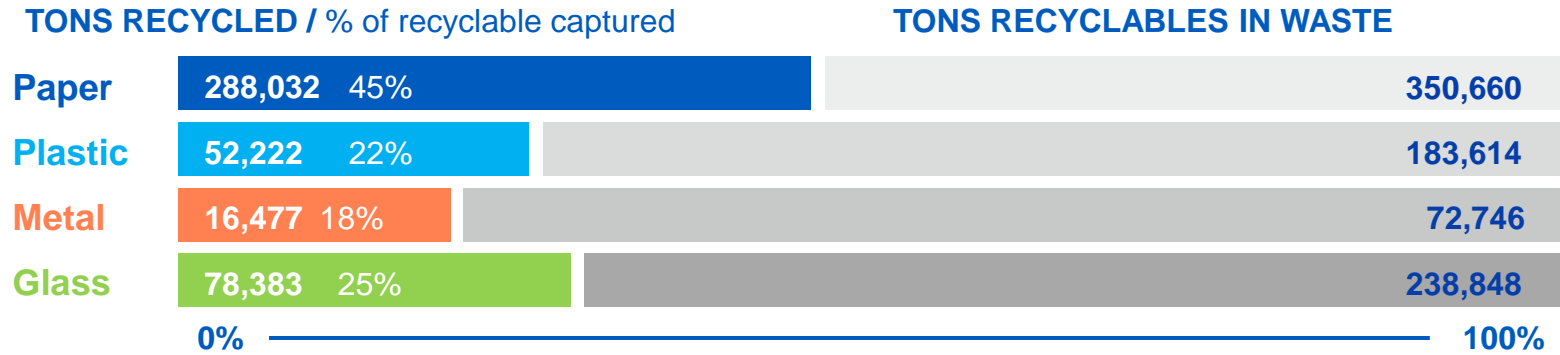


Statewide Composition of MSW Disposed in Landfills by Material Type (2019)



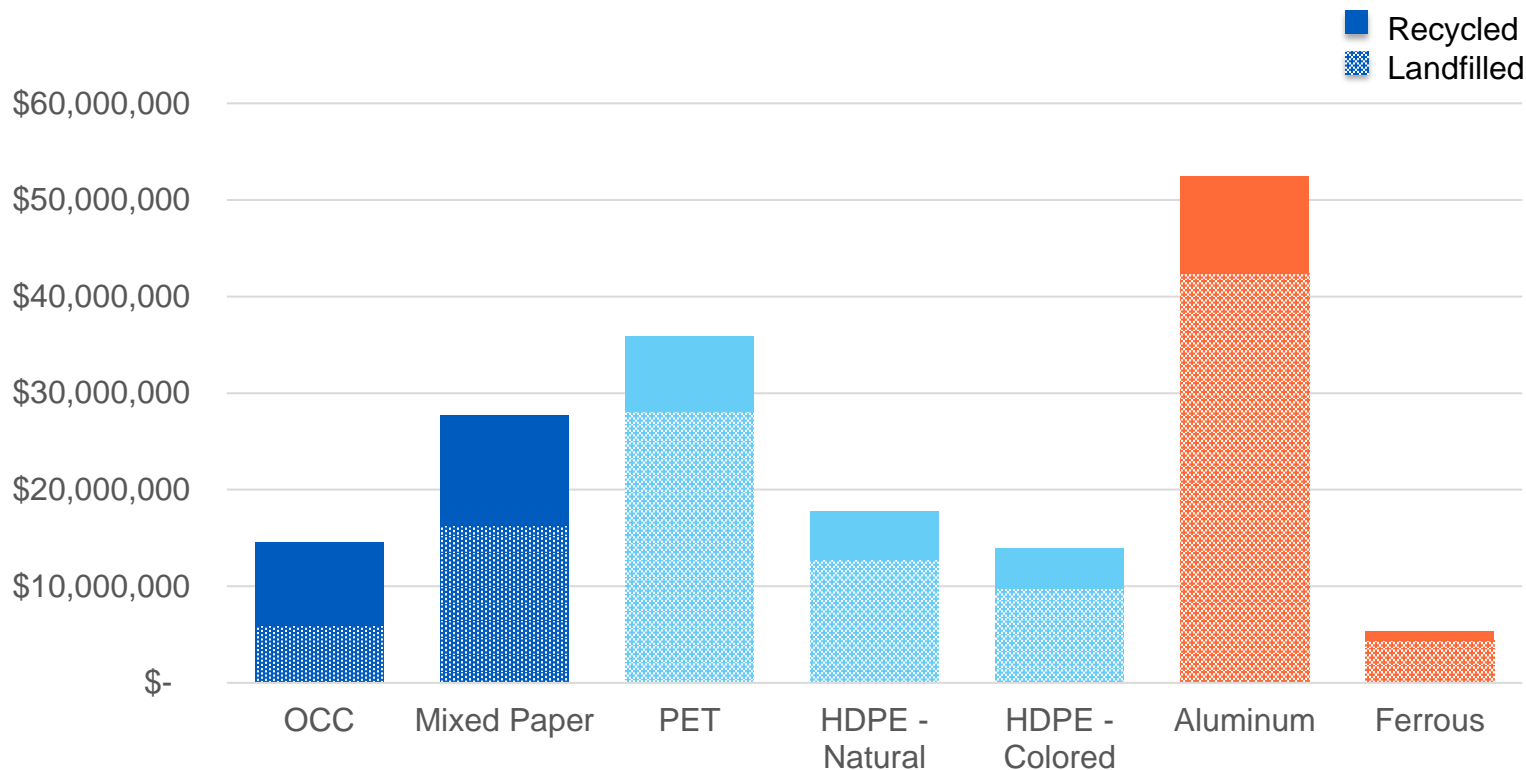


# Data Insight: Regional Material Capture Rate

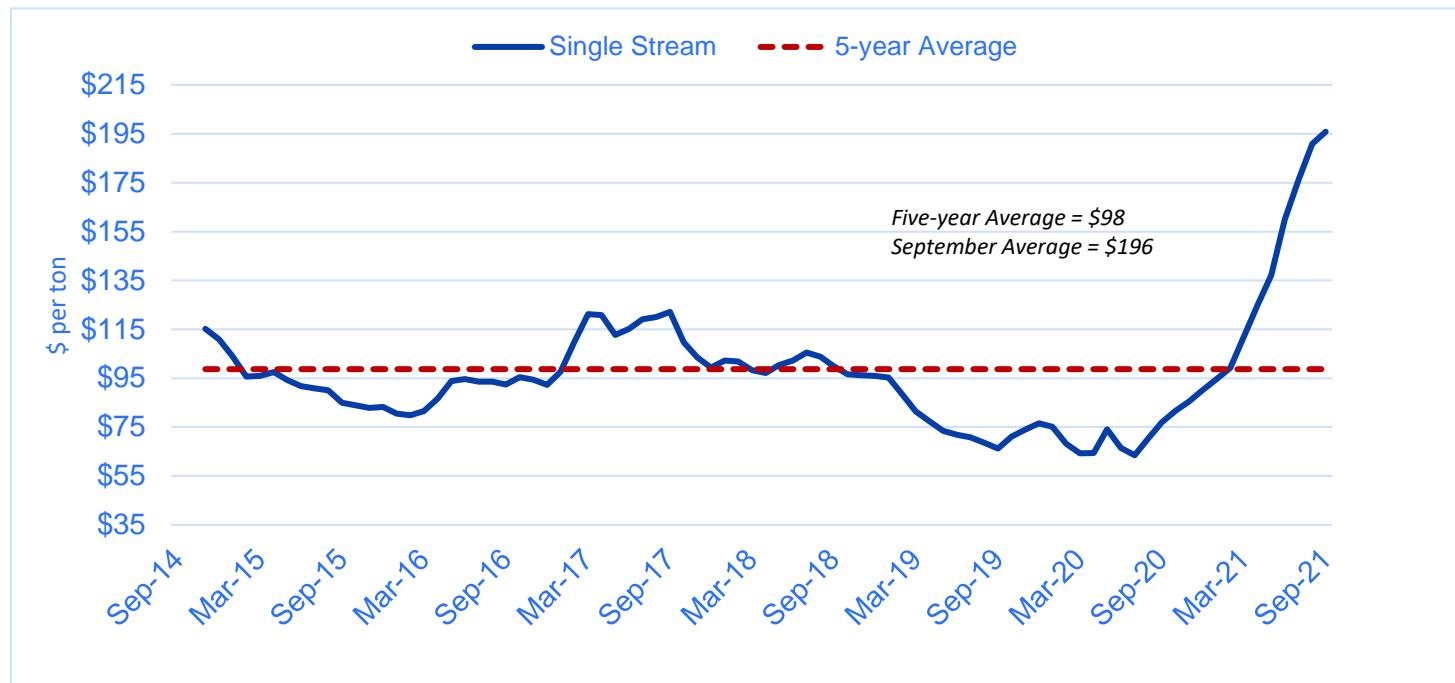




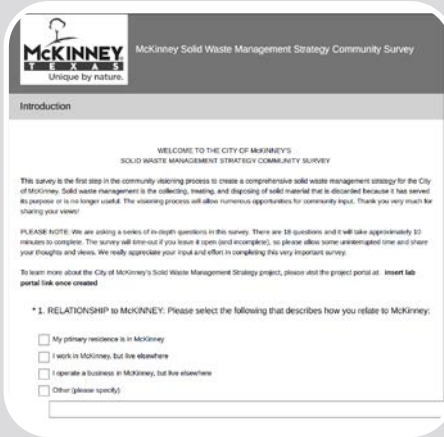
# Data Insight: Regional Material Values



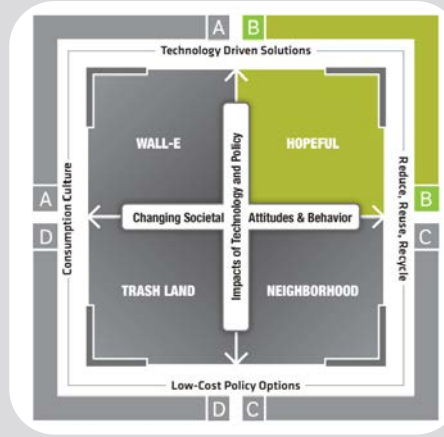
# Data Insight: Regional Recycling Market



# Stakeholder Engagement Process



**Resident Survey**  
*562 participants*



**Visioning Think Tanks (3)**  
*September 9-30, 2021*



**Future Summit Report**  
*Available on the Portal*

# Stakeholder Engagement Outcomes



DataInsight

- ▶ **Trajectory:** Strong preference for “Hopeful” scenario indicates clear direction of change
- ▶ **Velocity:** Survey responses show community support for near-term action

## Top 3 Solid Waste Management Factors



Population  
Growth &  
Increased  
Waste



Shrinking  
Landfill  
Capacity



Lack of  
Proper  
Recycling  
Opportunity



# SWMS Outline



## Recommended Highest Priority and Nearest Term Needs

### Overview Sections

1. Overview, Priorities and Objectives
2. Planning Studies, Regulatory, Trends Review
3. Planning Area Characteristics
4. Facilities

### Programs and Policies Evaluation Sections

5. Single-Family Residential
6. Household Hazardous Waste
7. Multifamily Residential
8. Commercial & Institutional
9. Disaster/Storm Debris
10. Public Spaces & Special Events
11. Outreach, Engagement & Education
12. Downtown/Central Business District
13. City Ordinance, Regulation & Code Enforcement
14. City-wide Strategies

### Strategy Implementation Section

15. Implementation Plan

# Downtown/Central Business District

*Collection system and rate structure present a challenge in Downtown*

1

**Determine near- and long-term collection system for Downtown.**

- Options: status quo, shared dumpsters, shared compactors, concierge service

2

**Develop a more equitable service rate structure**

- Options: status quo, pre-paid bags, pay-per-use, periodic audits



**Considerations for the City and Council:**

- Balance costs of new system with the desire to eliminate carts
- Downtown rates are currently heavily subsidized, seek equity
- Consider a public improvement district (PID) as an option

# Solid Waste RFP (City-wide Strategy)

*Long-term franchise agreement is not consistent with current best practices*

1

**Move forward with a procurement process for solid waste services**

2

**Maintain current robust service offerings in the single-family residential sector**

3

**Address and implement strategy elements for Downtown and multifamily recycling through the new agreement(s)**



**Considerations for the City and Council:**

- **Option to unbundle collection and processing services**
- **Purchase collection carts, contractor to maintain and manage**

# Outreach, Engagement & Public Education

*Community feedback indicates residents are not aware of content and messaging*

1

**Strategically allocate resources to support solid waste specific program activities and growth**

2

**Incorporate content and resources provided by NCTCOG and The Recycling Partnership to develop outreach and education materials**

3

**Integrate ReCollect technology into messaging and outreach**

4

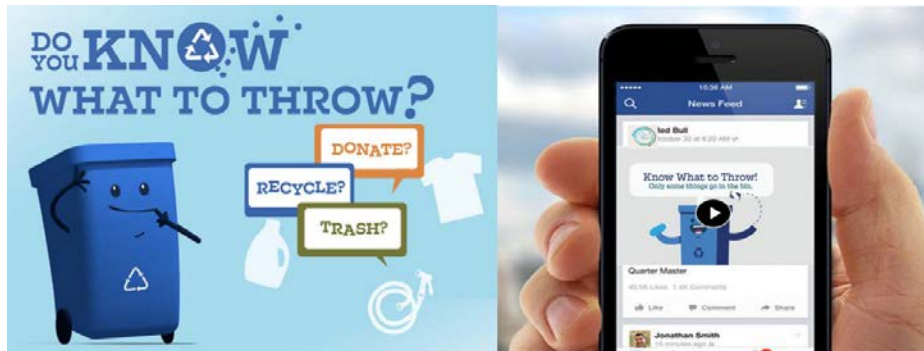
**Update and implement program metrics**

5

**Advance data collection efforts to support future content development**



# NCTCOG's Know What To Throw Campaign



## DO YOU KNOW WHAT TO THROW?

For recycling to thrive, we need to **recycle the YES things** and **keep the NO things out**.

### DID YOU KNOW?

**YES!  
ALWAYS RECYCLE**



**BOTTLES, CANS  
EMPTY, CLEAN**



**BOXES  
FLAT, DRY**



**PAPER  
DRY**

**LEAVE THESE OUT  
OF RECYCLING!**



**NO BAGS  
TAKE BACK TO STORE**



**NO BATTERIES  
RETURN TO RETAIL**



**NO TANGLED  
DONATE or TRASH**



For full list of what to recycle, visit  
**[www.garland.tx.us](http://www.garland.tx.us)**  
or call **972-205-2000**

**TEST YOUR RECYCLING IQ**  
**[TimeToRecycle.com](http://TimeToRecycle.com)**

Funded through a grant from NCTCOG and the TCEQ



# Other Identified Needs and Recommendations

1

**Explore options for the multifamily sector to provide all residents with the option to conveniently recycle**

2

**Track and address development trends to minimize impacts on solid waste and recycling collection services**

3

**Standardize MSW collection containers and signage City-wide**

4

**Leverage existing partnerships and explore new partnership opportunities to implement MSW services**

# Next Steps for SWMS



**Adopt the City of McKinney Solid Waste Management Strategy, and provide direction as needed to implement recommendations**

**JUNE 28**

- **Receive and incorporate City Council feedback into SWMS Final Report**

**JULY 19**

- **City Council work session on options for Downtown**

**JULY 26**

- **SWMS adoption by City Council**
- **Contract for RFP development**

# Next Steps for License Agreement RFP

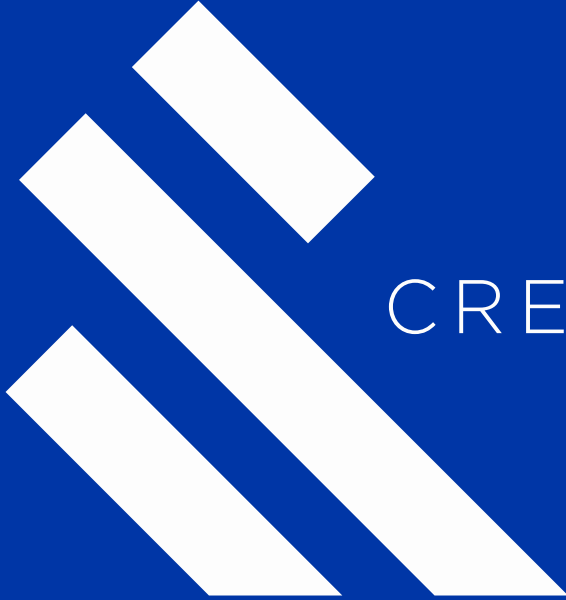


**Initiate solid waste procurement process in mid-2022 in order to provide a level playing field for interested parties**

## Timeline for Solid Waste Procurement Process

	2022				2023				2024			
TASK	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
RFP PROCESS (6-8 MONTHS)												
CONTRACT AWARD (FEB 2023)												
CONTRACTOR PREPARATION (18-20 MONTHS)												
CONTRACT START DATE (OCT 1, 2024)												





CREATE AMAZING.