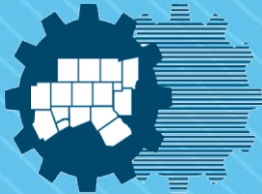




**Regional Solid Waste  
Management Plan  
(RSWMP) Public Meeting**

June 30, 2022



North Central Texas  
Council of Governments

**BURNS**  **MCDONNELL**



# Agenda



**Planning  
Process**



**Stakeholder  
Engagement**



**Key RSWMP  
Topics**



**Questions &  
Comments**



**Next  
Steps**

# Virtual Meeting Reminders

**1**

Please leave your microphone muted unless speaking

**2**

Use the chat box or raise hand button to ask a question or provide a comment

**3**

Please state your name prior to asking a question or making a comment

**4**

Please note that the presentation is being recorded



# Planning Process

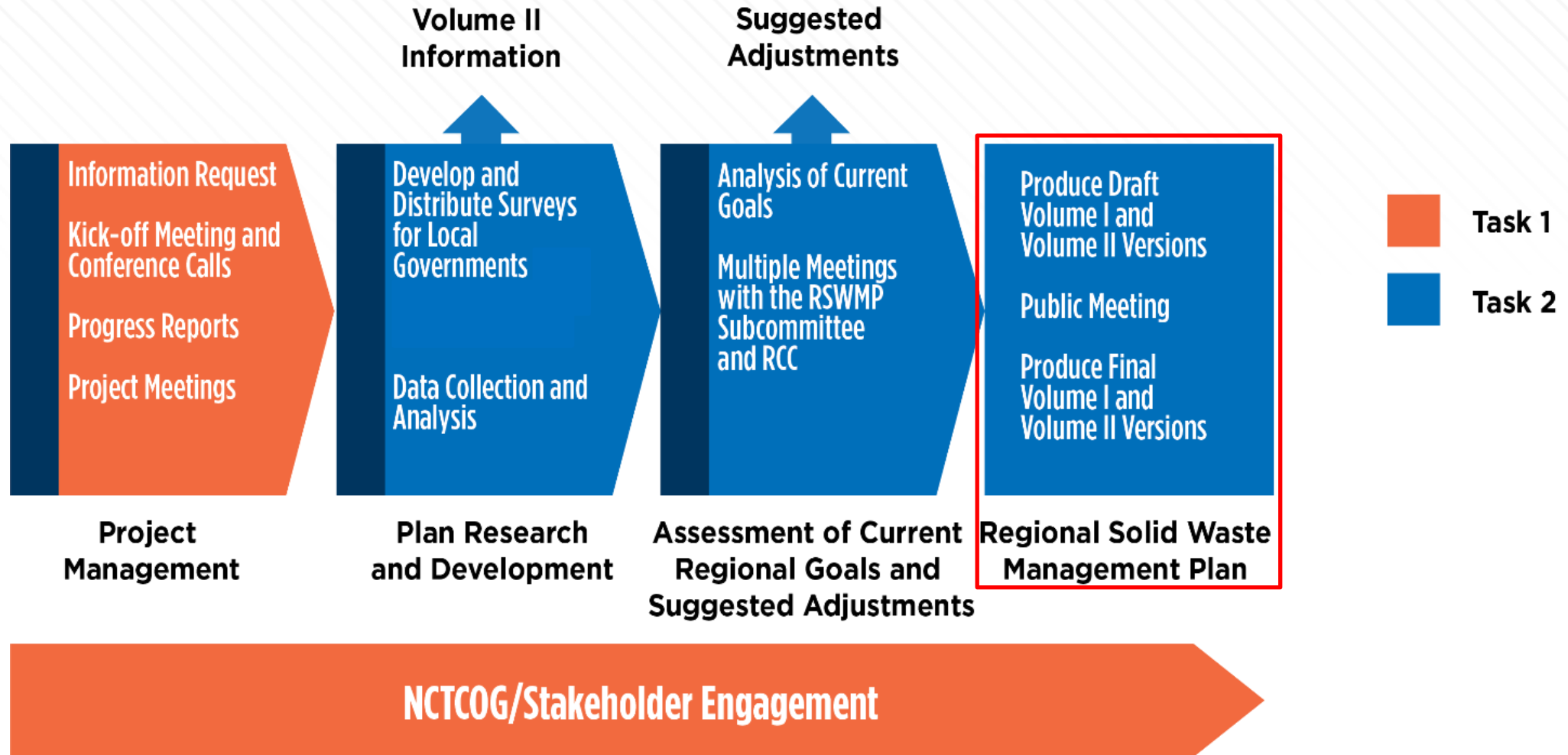
# Purpose of the RSWMP

- ▶ Meet TCEQ requirements, as each of the 24 regional councils of governments in Texas must complete a RSWMP using TCEQ's prescriptive format
- ▶ Determine solid waste and recycling program planning from 2022 – 2042 through an assessment of current and planned practices, regional facility adequacy, and other key topics
- ▶ Serve as a region-wide planning tool, addressing the different priorities and infrastructure of specific parts of the region

# RSWMP Overview

RSWMP Section	Detail
<b>Overview and Introduction</b>	Introduces key planning processes, document structure, data sources, and key terms
<b>Volume I Form</b>	TCEQ-mandated form summarizing material management goals and objectives for the region
<b>Volume II Form</b>	TCEQ-mandated form summarizing material management practices, facility adequacy, and other key topics
<b>Volume II Attachments</b>	Additional discussion related to Volume II Form topics, as applicable

# RSWP Planning Process





# **Stakeholder Engagement**



# Stakeholder Meetings and Touchpoints

Meeting/Touchpoint	Timeframe
Status Update to Regional Management Plan Subcommittee (RMPS)	March 28
Presentation of Draft to RMPS	May 17
RMPS Review Period*	May 17 – June 10
Resource Conversation Council (RCC) Review Period*	June 20 – July 1
Public Meeting Review Period*	June 21 – July 1
RCC Deadline to Approve Draft	July 5 – July 29
Draft Submission to NCTCOG Executive Board	August 11
NCTCOG Executive Board Meeting to Approve Draft	August 25

# Municipal Volume II Survey

The Project Team distributed a Volume II Survey to municipalities in the region to capture the current and planned solid waste and recycling efforts and priorities

## Survey Responses Represent:

**43**

**GOVERNMENTAL  
ENTITIES**

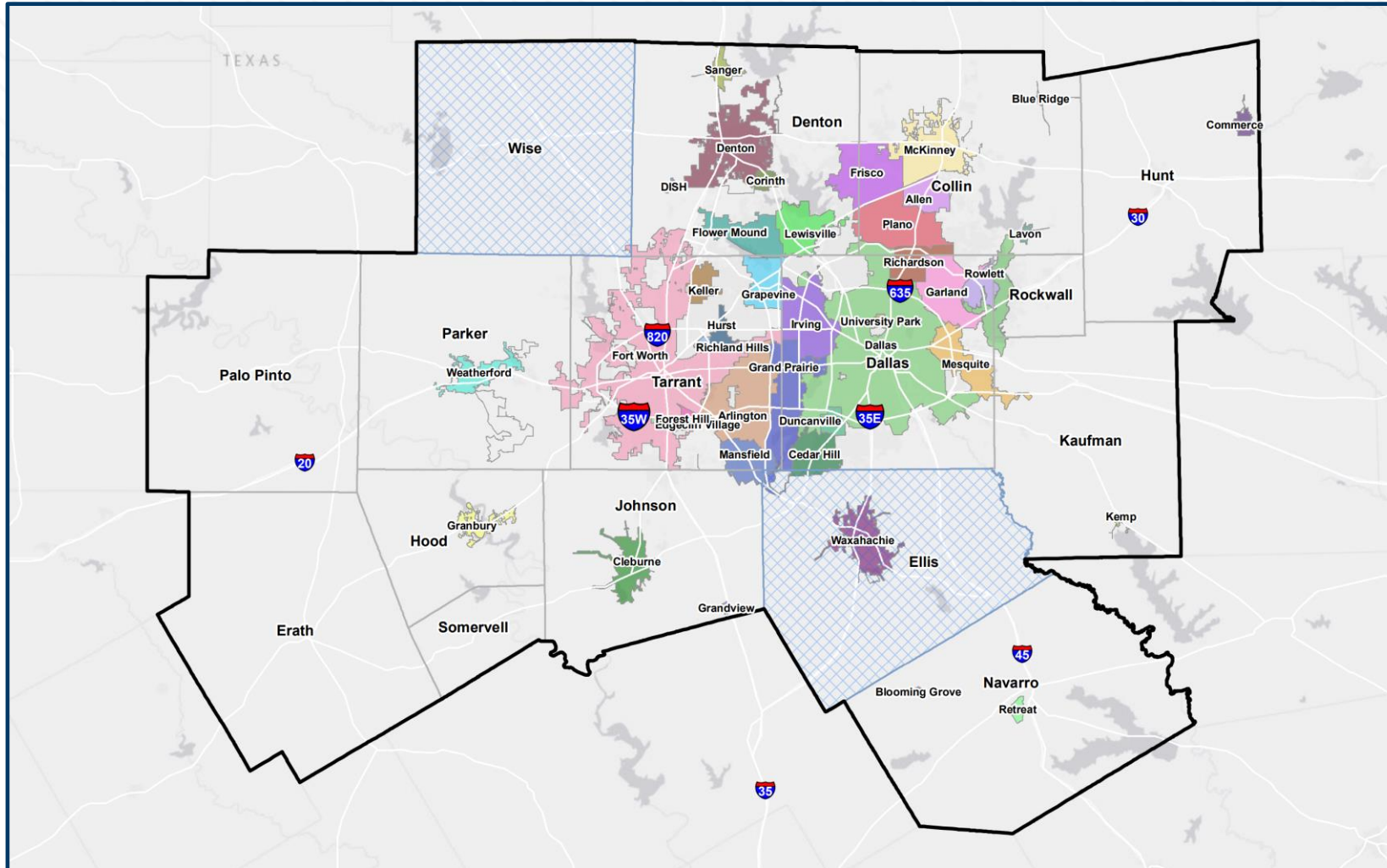
**5.5**

**MILLION  
RESIDENTS**

**67%**

**OF THE TOTAL  
REGION  
POPULATION**

# Municipal Volume II Survey Responses





# **Key RSWMP Topics**



# Today's Discussion Focuses on Seven Highlighted, Key RSWMP Topics

## RSWMP Topics

Goals and Objectives	Recommendations for Encouraging and Achieving a Greater Degree of Source Reduction and Waste Minimization
Demographics	Partnerships
Generation	Concerns and Priorities to Address Concerns
Current and Planned Practices	Planning Areas to Address Concerns Through Joint Action
Facility Adequacy	Incentives and Barriers
Assessment of Source Reduction and Waste Minimization Efforts	Recommended Plan of Action
Additional Opportunities for Source Reduction and Waste Minimization Efforts	Facility Conformance Review

# Goals and Objectives

## Goal #1: Support Materials Management Education and Training

- ▶ 1.A. Support outreach and education programs to facilitate long-term increases in source reduction, reuse, and recycling
- ▶ 1.B. Educate the public about proper waste management opportunities and alternatives to reduce litter and illegal dumping
- ▶ 1.C. Educate the public about proper management and alternative options for HHW

# Goals and Objectives

## Goal #2: Promote Creation and Expansion of Waste Management Programs

- ▶ 2.A. Encourage establishment, maintenance and expansion of government, single and multi-family residential, and commercial waste source reduction, reuse, and recycling programs
- ▶ 2.B. Expand reuse and recycling on construction and demolition materials
- ▶ 2.C. Expand reuse and recycling of organic material
- ▶ 2.D. Expand existing collection and management alternatives for other wastes and establish and expand new product markets
- ▶ 2.E. Facilitate the development and implementation of integrated solid waste management plans
- ▶ 2.F. Promote integrated waste management practices and provide ample, convenient collection, and disposal options in rural and underserved areas

# Goals and Objectives

## **Goal #3: Measure Regional Materials Management and Waste Reduction Efforts**

- ▶ 3.A. Encourage survey and evaluation techniques to establish baselines and effectively track waste reduction
- ▶ 3.B. Encourage the maintenance and expansion of disposal and processing capacity to meet the needs of the region

## **Goal #4: Measure Regional Materials Management and Waste Reduction Efforts**

- ▶ 4.A. Encourage innovative technologies to reduce, manage, and process emerging waste streams

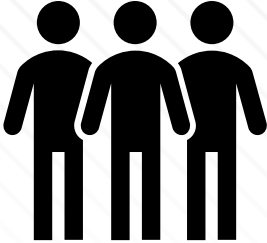


# Goals and Objectives

## Goal #5: Promote Public and Private Sector Partnerships

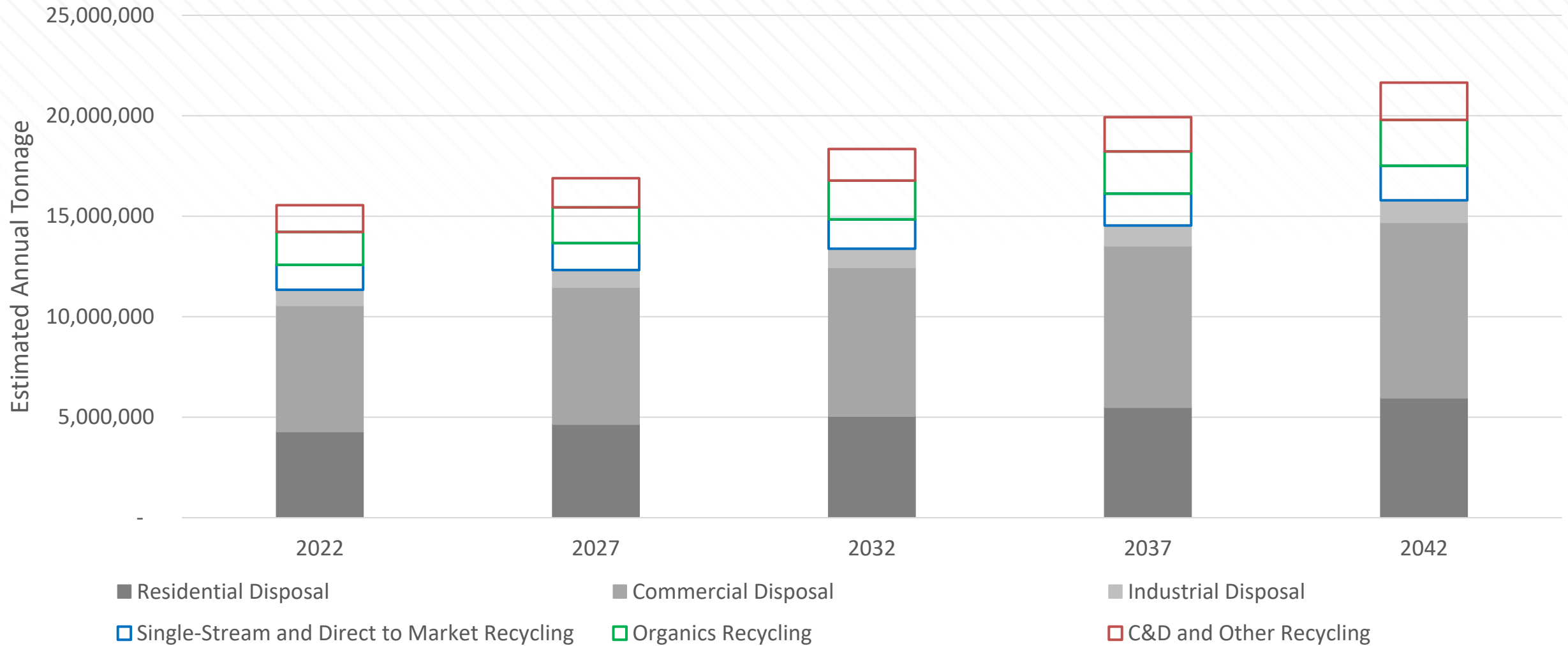
- ▶ 5.A. Increase coordination between cities and counties organizational entities to address solid waste needs
- ▶ 5.B. Increase coordination between cities and counties organizational entities to reduce illegal dumping
- ▶ 5.C. Assure that applicants for state permits demonstrate compliance with the adopted regional solid waste plan
- ▶ 5.D. Maintain and update the Closed and Abandoned Landfill Inventory

# Demographics and Generation (2022)



Category	Residential	Commercial	Industrial
Population or Employees	8,006,301	3,500,900	583,500
Disposed Tons	4,280,099	6,271,540	792,426
Recycled Tons	721,045	3,326,401	158,519
<b>Total Tons</b>	<b>5,001,143</b>	<b>9,597,941</b>	<b>950,945</b>

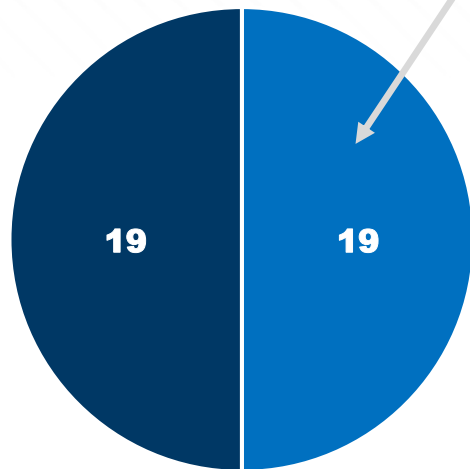
# Demographics and Generation (2022 – 2042)



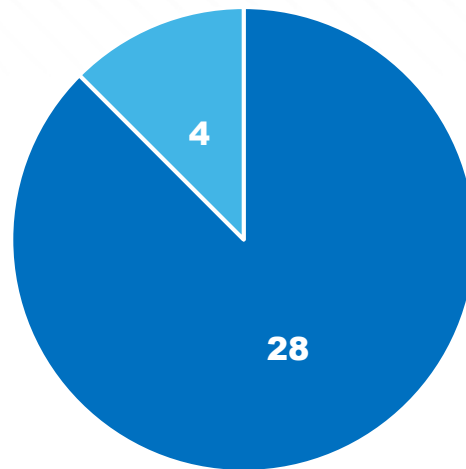
# Current Practices: Residential Collection Frequencies

Number of Municipal Responses

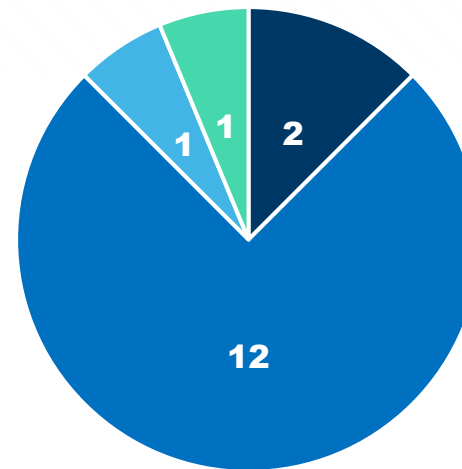
## Trash



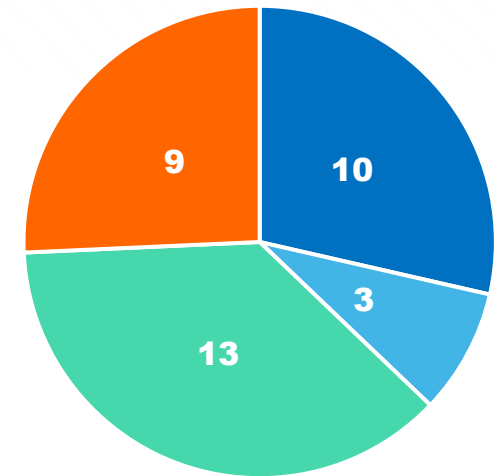
## Recycling



## Yard Waste



## Brush & Bulk



Twice a Week

Weekly

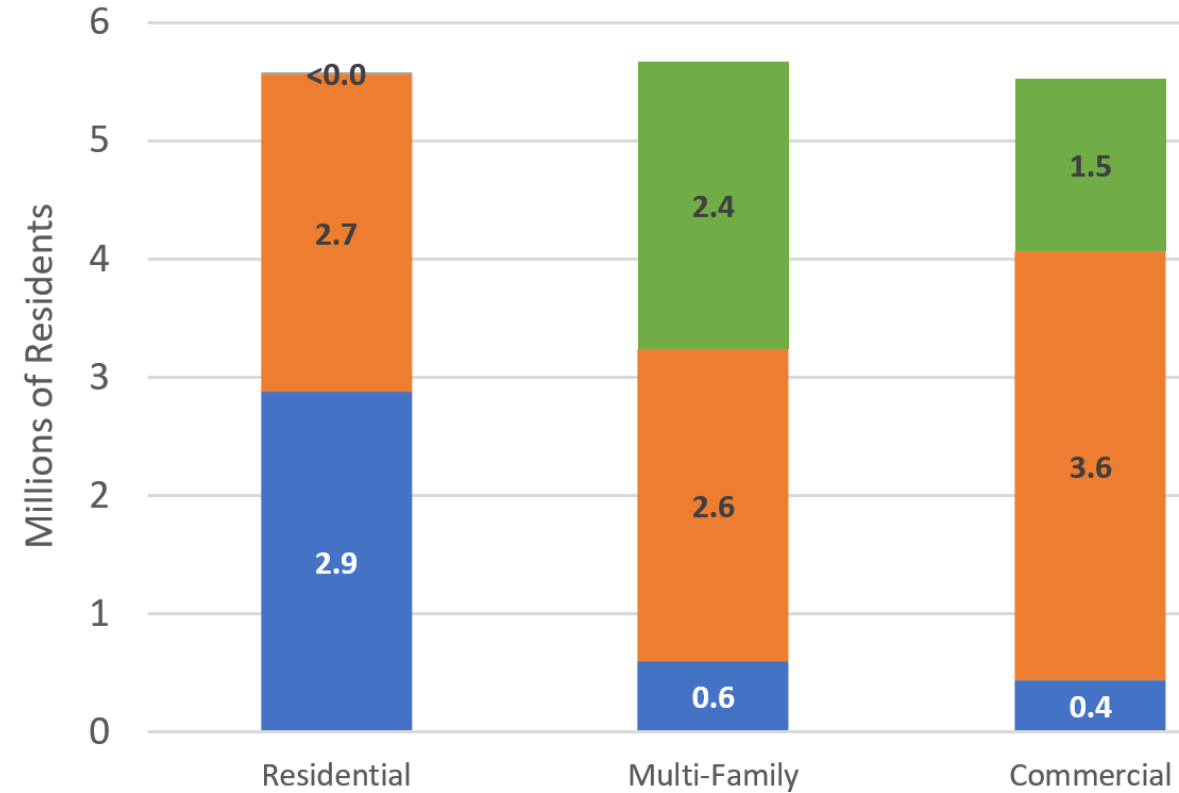
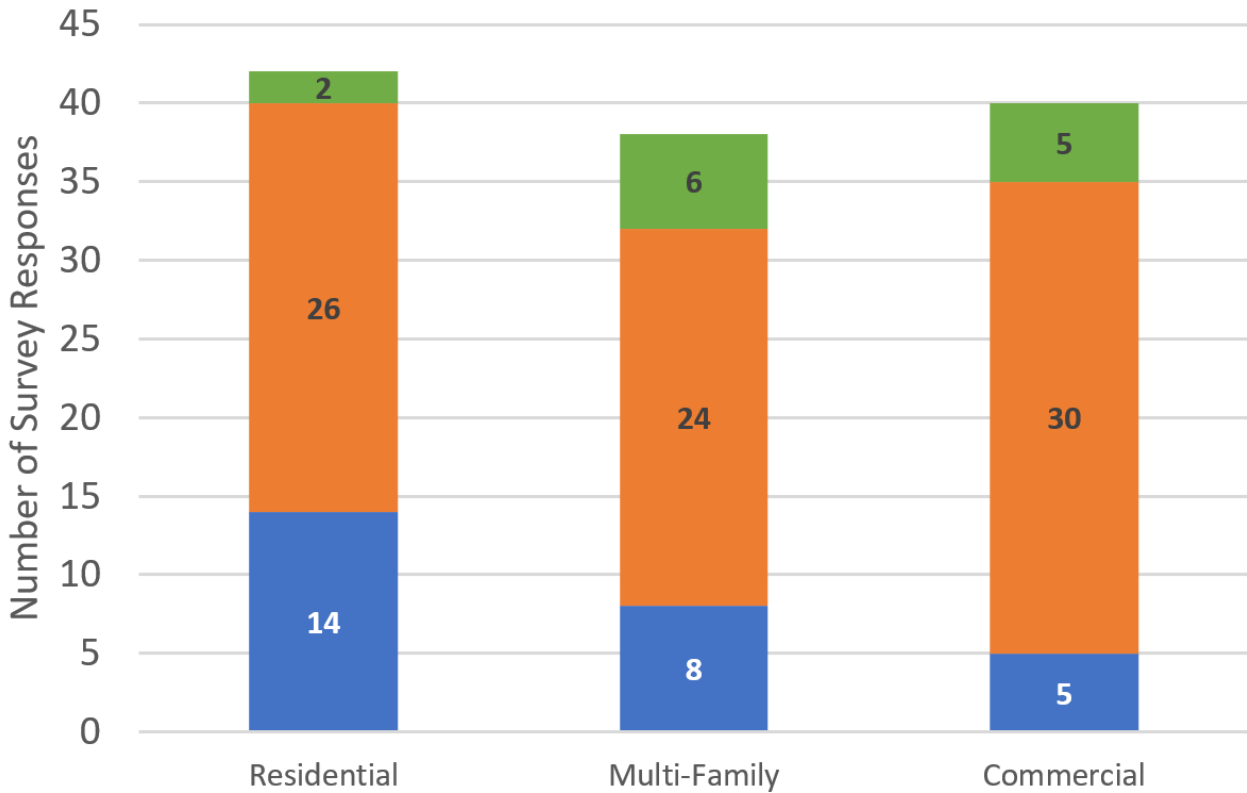
Every Other Week

On-Call

Monthly or Less Frequent



# Current Practices: Trash Collection By Service Provider

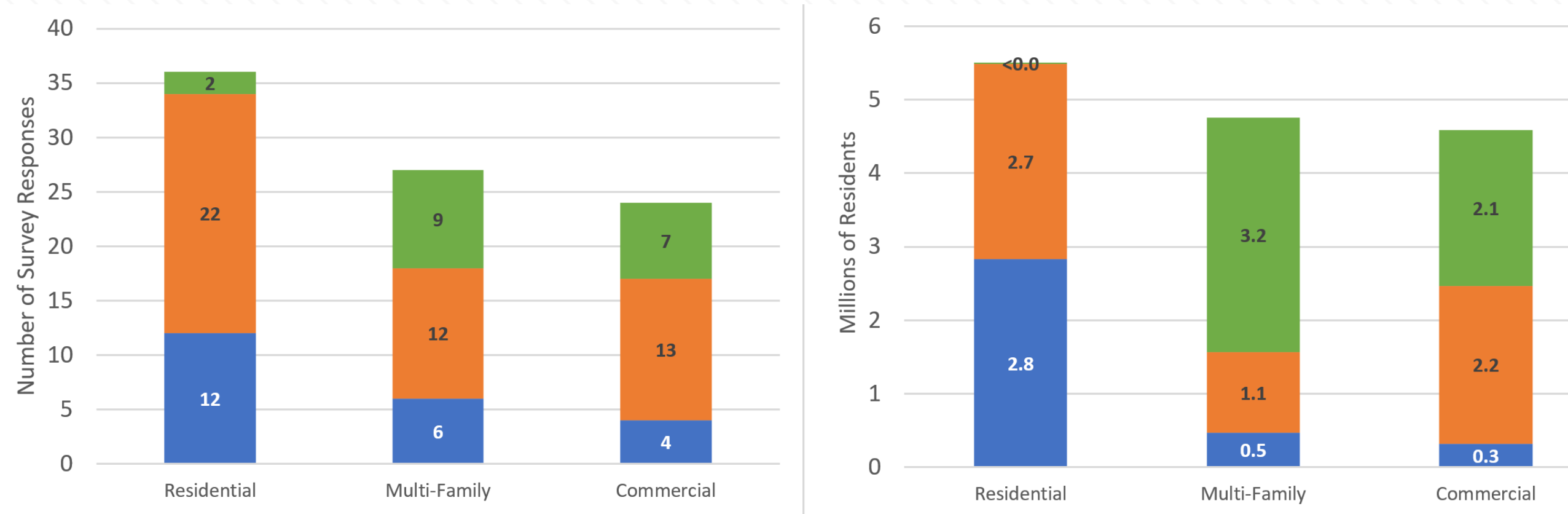


**Municipal Crews**

**Municipality Contracts with Hauler**

**Customer Subscribes with Hauler**

# Current Practices: Recycling Collection By Service Provider



**Municipal Crews**

**Municipality Contracts with Hauler**

**Customer Subscribes with Hauler**

# Facility Adequacy: Landfills and HHW Drop-Off Facilities

Facility Type	Adequate For Region?	Discussion Points
Landfill	No	<ul style="list-style-type: none"><li>• Disposal is concentrated in Metroplex area of the region (Dallas, Denton, Tarrant)</li><li>• Eight-most western counties have only 16 years of currently permitted landfill life</li><li>• Capacity of C&amp;D landfills is disproportionately lower than their proportion of the waste stream</li></ul>
Household Hazardous Waste (HHW) Drop-Off Facility	No	<ul style="list-style-type: none"><li>• Region has one of the most extensive networks of HHW facilities in Texas (e.g., Cities of Denton, Fort Worth, Frisco and Dallas County)</li><li>• Areas of the region are still in need (e.g., South portion of the Metroplex and rural areas)</li></ul>

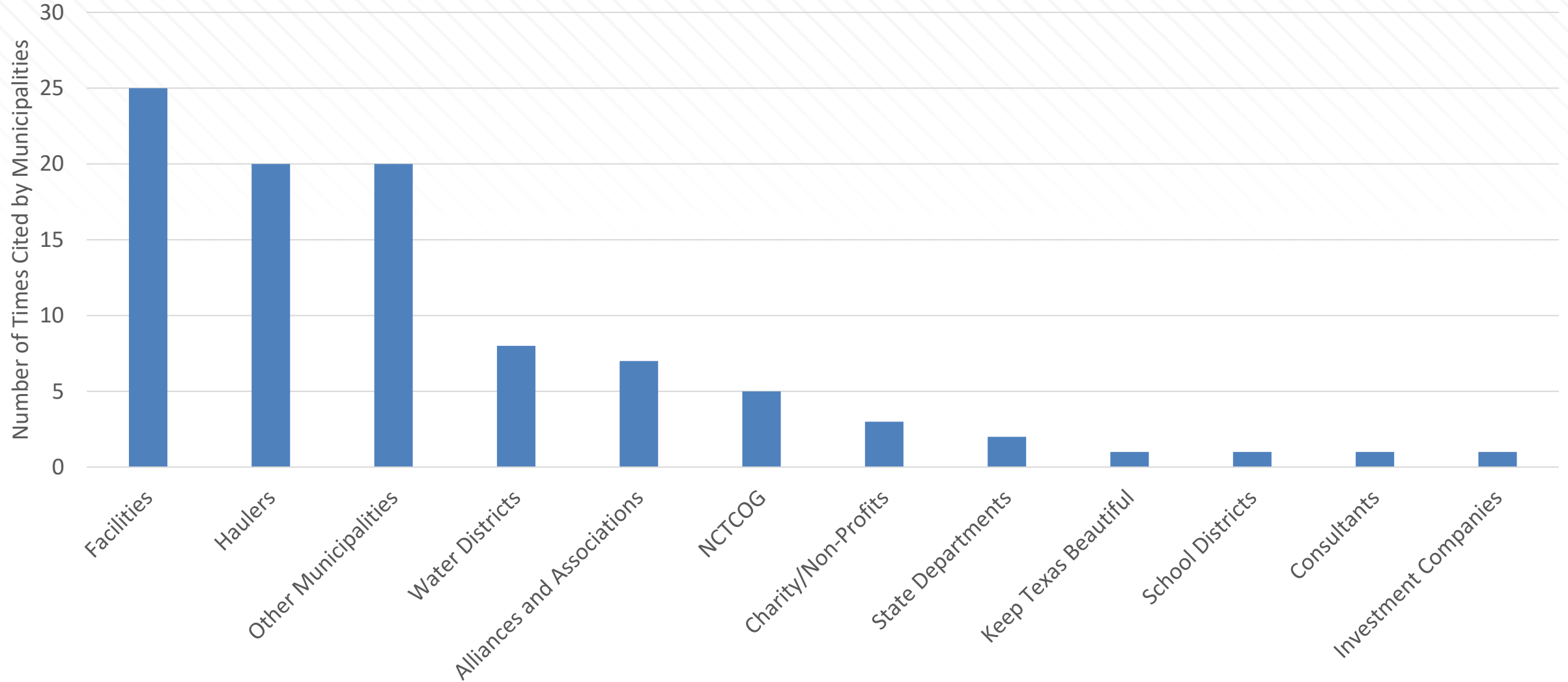
# Facility Adequacy: Transfer Stations

Facility Type	Adequate For Region?	Discussion Points
Transfer Station	<b>No</b>	<ul style="list-style-type: none"><li>• As region continues growing and material generation increases, future landfill capacity will be sited further away from where waste is generated, increasing the amount of material transfer stations will need to receive</li><li>• Ongoing need for access to disposal and transportation in the Western area of the region</li><li>• As region increases diversion, transfer stations may require additional capabilities for material handling for recycling and organics</li></ul>

# Facilities Adequacy: Other Facility Types

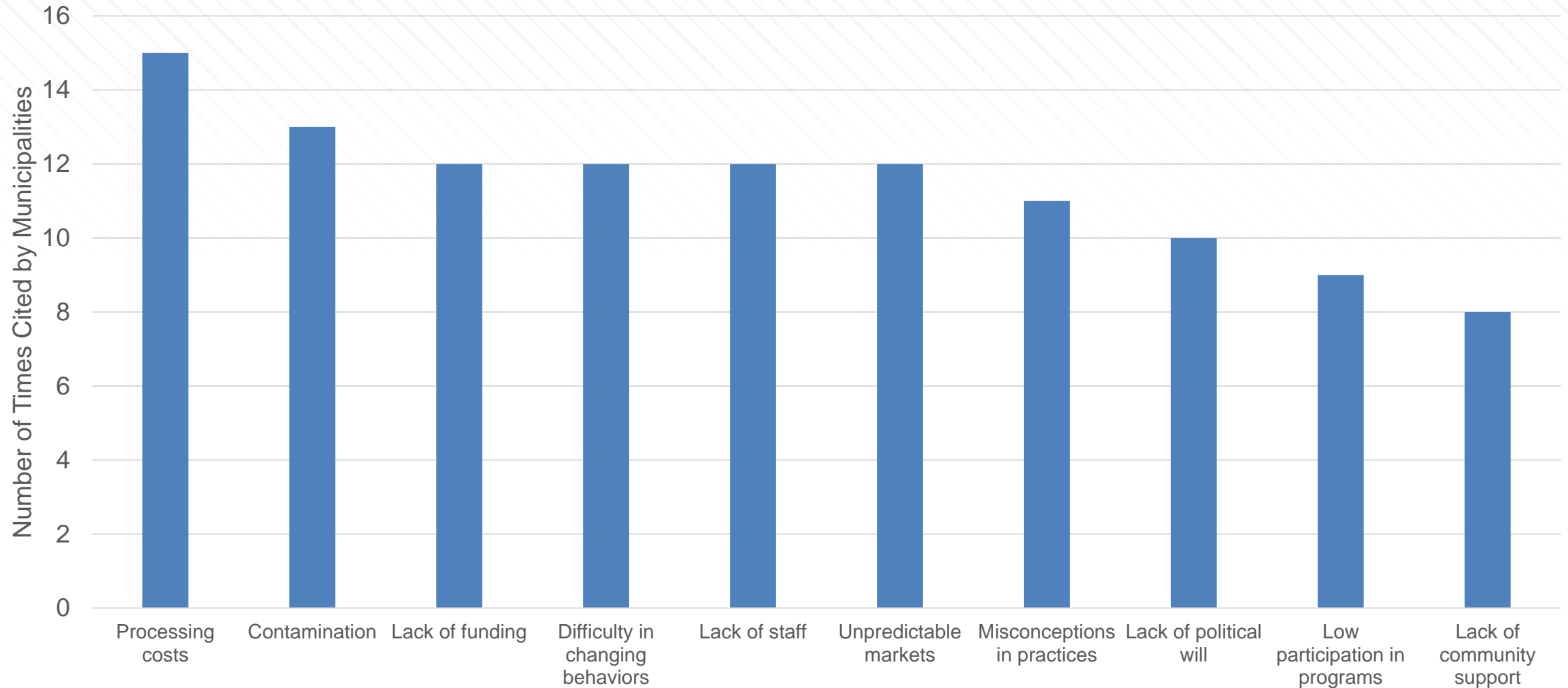
Facility Type	Adequate For Region?	Discussion Points
Material Recovery Facility (MRF)	No	<ul style="list-style-type: none"> <li>Region has highest number of MRFs (11) in Texas, many with advanced processing technology</li> <li>Increases in residential capture rate and commercial recycling activity would exceed existing capacity</li> </ul>
C&D Recycling Facility	No	<ul style="list-style-type: none"> <li>Region only has one commercial C&amp;D recycling facility</li> <li>Ongoing need for additional C&amp;D recycling capacity due to the large amounts of new construction and renovations in the region</li> </ul>
Composting Facility	No	<ul style="list-style-type: none"> <li>Region has at least 24 composting facilities</li> <li>Residential waste stream consists of 50 percent food and yard waste—additional diversion of organic material would exceed current capacity</li> <li>Increase in commercial diversion would similarly impact capacity</li> </ul>
Citizen Collection Station	No	<ul style="list-style-type: none"> <li>Population of region continues to grow at high rate which may require need for more citizen collection stations</li> </ul>

# Entities Partnering with Municipalities

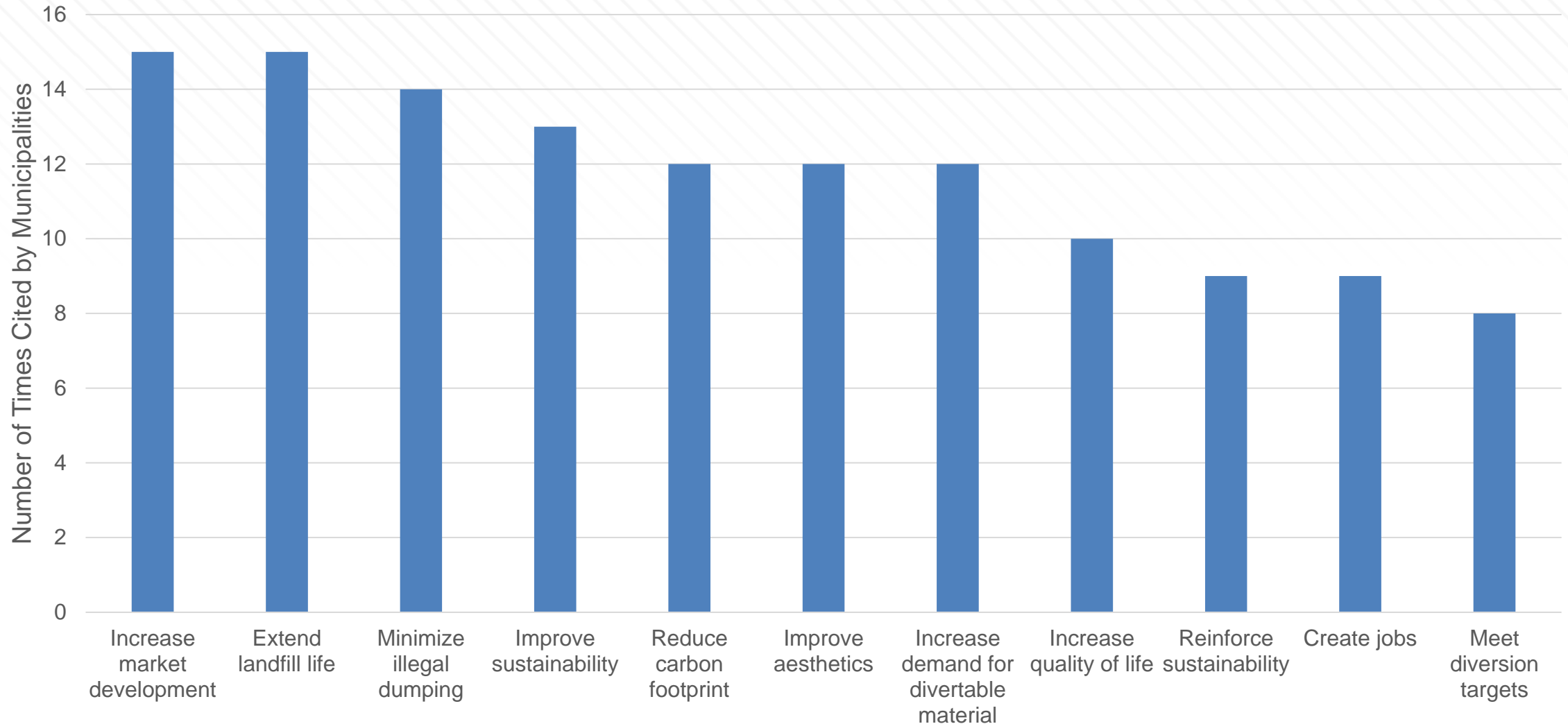




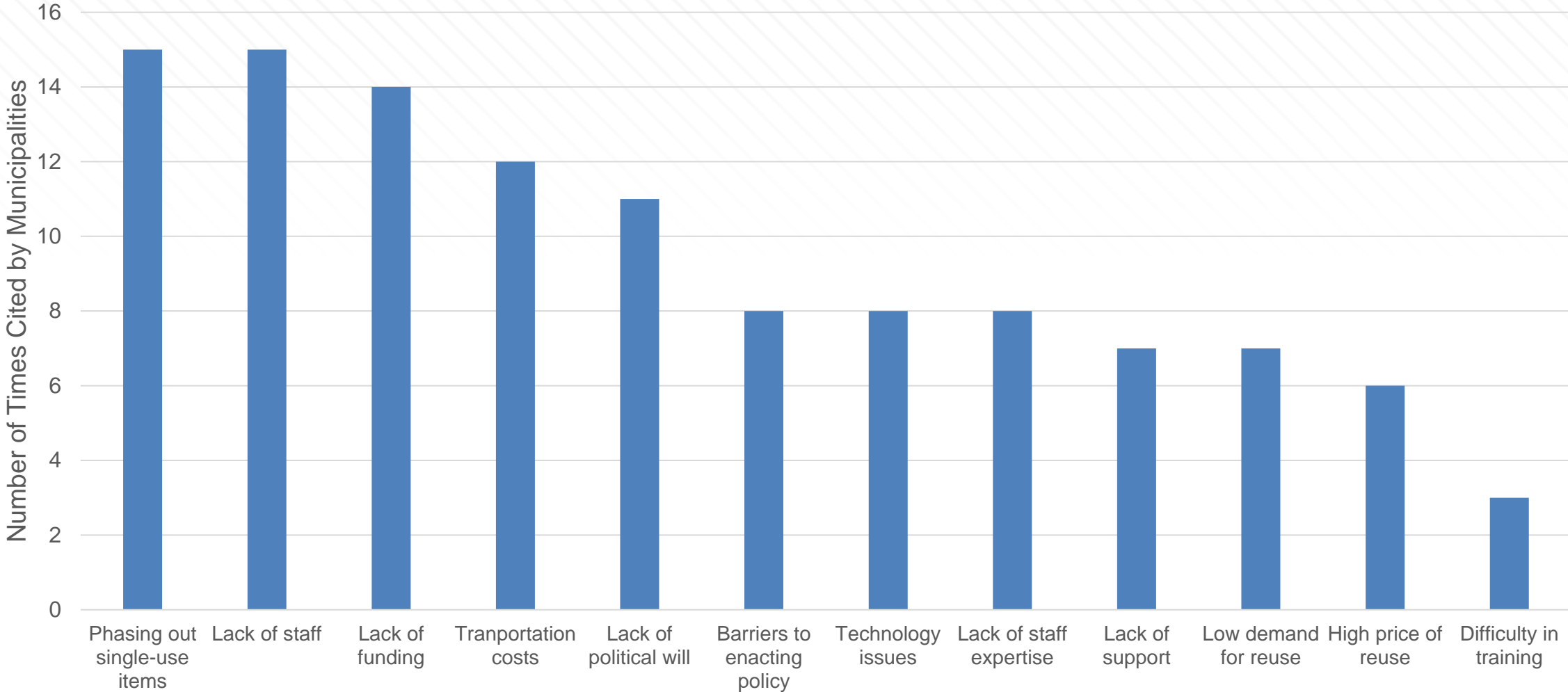
# Most Cited Recycling Barriers



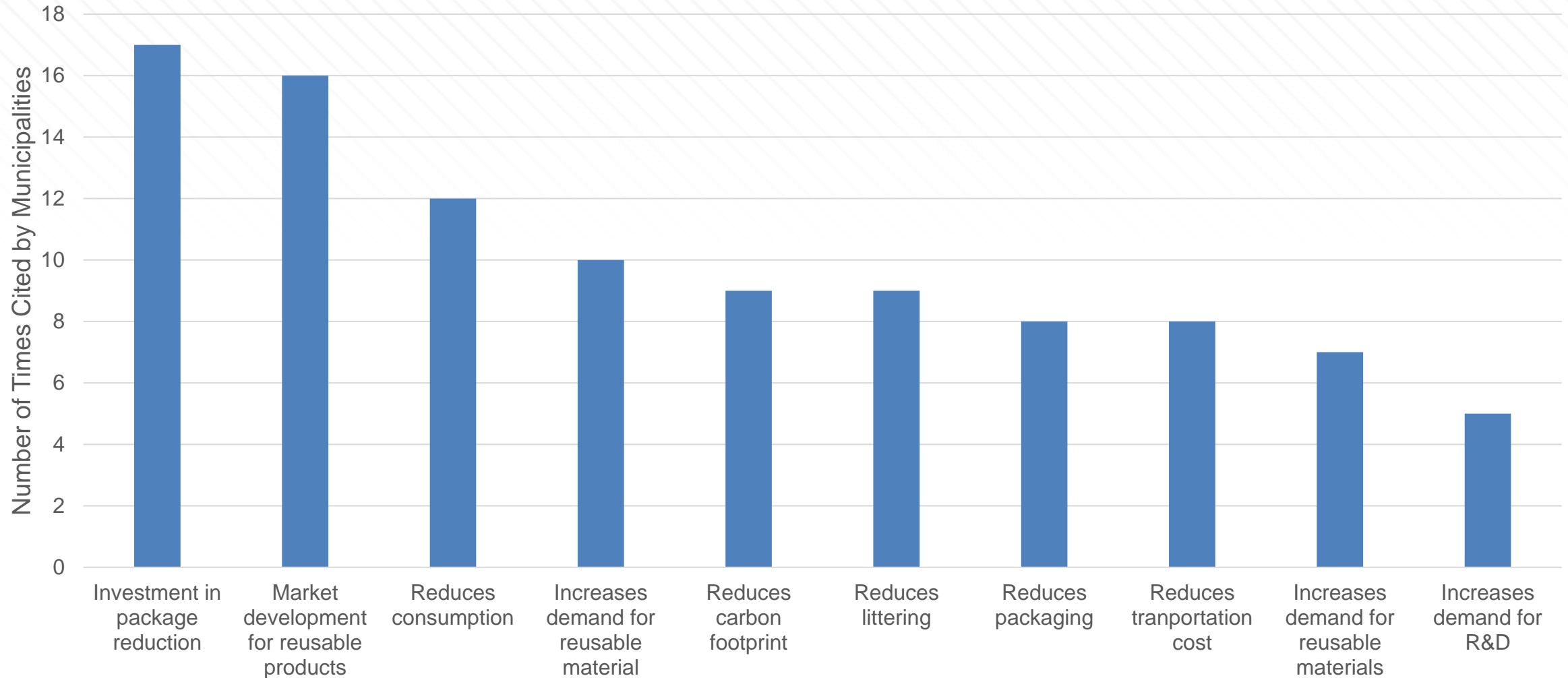
# Most Cited Recycling Benefits



# Most Cited Waste Reduction Barriers



# Most Cited Waste Reduction Benefits



?

**Questions and Comments**

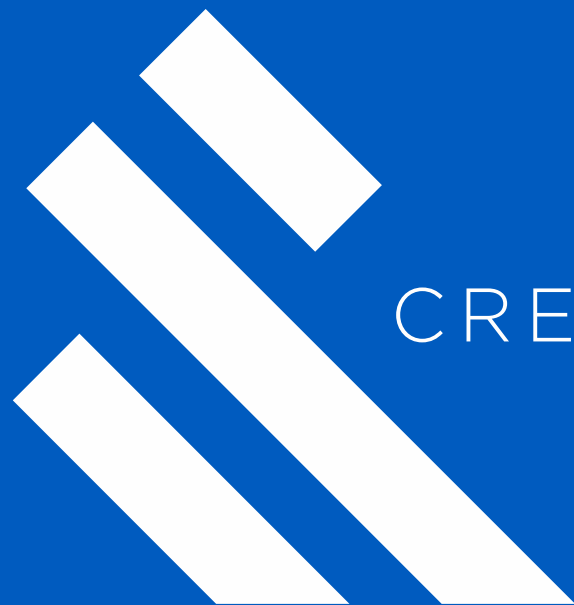


# Next Steps



# RSWMP Next Steps

Meeting/Touchpoint	Timeframe
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Submittal of final RSWMP to TCEQ	August 31



CREATE AMAZING.