

The Full Story to Becoming a Regional Recycling Resource

North Central Texas Council of Governments

TCEQ ETFC 2025



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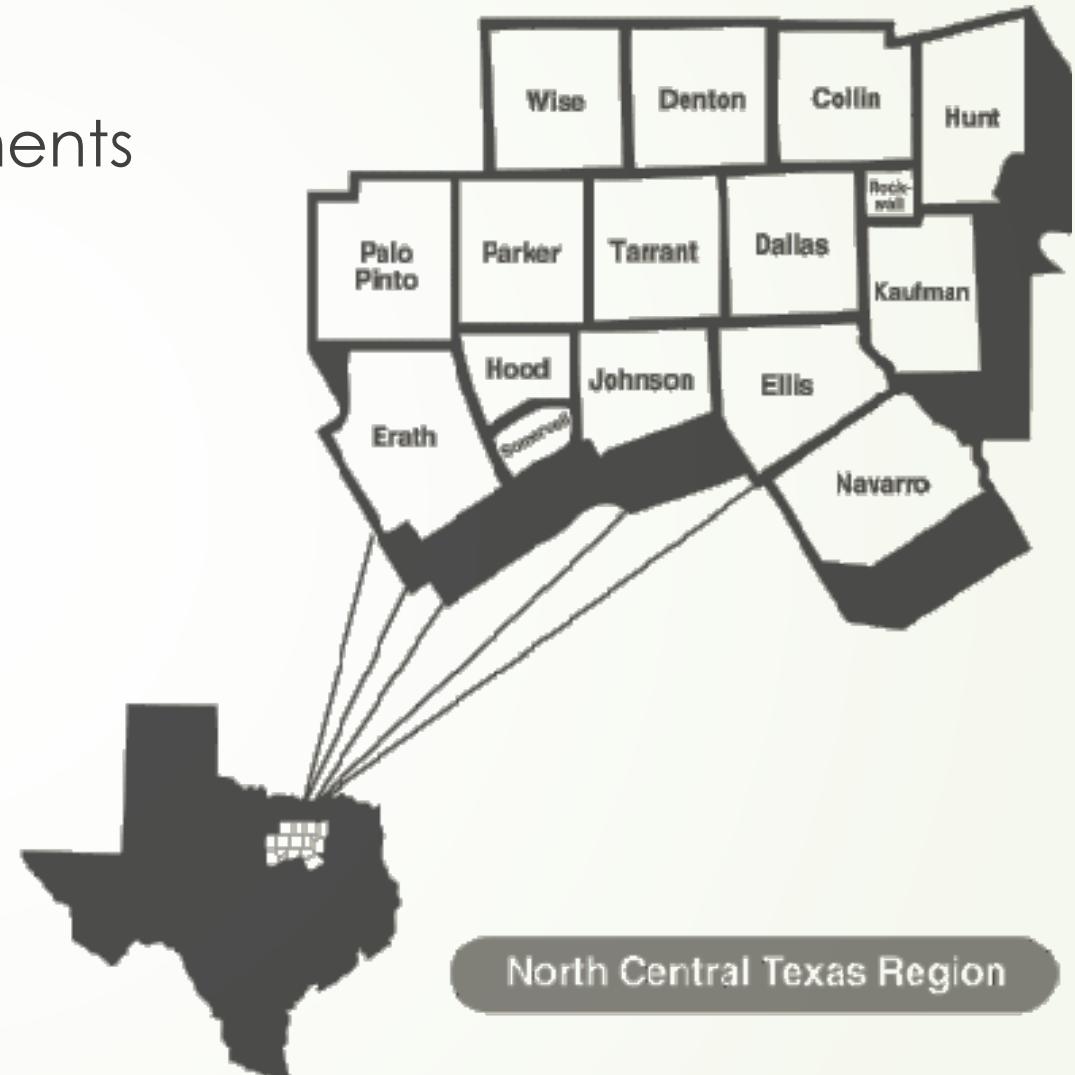
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Development Planner



North Central Texas
Council of Governments
Environment & Development

What is the North Central Texas Council of Governments?

- ▶ Voluntary association of local governments
- ▶ Established in 1966
- ▶ Assists local governments in:
 - ▶ Planning for common needs
 - ▶ Cooperating for mutual benefit
 - ▶ Recognizing regional opportunities
 - ▶ Resolving regional problems
 - ▶ Making joint decisions



Environment and Development Department

- ▶ Work with a diverse set of stakeholders to address regional challenges
- ▶ Facilitate committees that work to find solutions to regional challenges
- ▶ Funded through grants and local partners

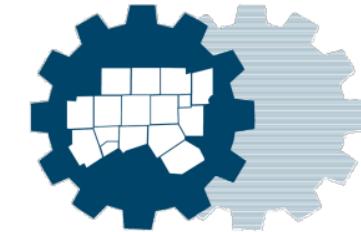


Regional Materials Management Planning

- ▶ NCTCOG is the designated regional solid waste planning agency for North Central Texas.
 - ▶ Store a Closed Landfill Inventory
 - ▶ Promote education and outreach
 - ▶ Administer a pass-through grant program
 - ▶ Support the Resource Conservation Council
 - ▶ Provide local governments with technical assistance
- ▶ Coordinate with partners to implement and advance materials management programs in North Central Texas.
- ▶ Maintain Regional Solid Waste Plan.

BURNS & MCDONNELL

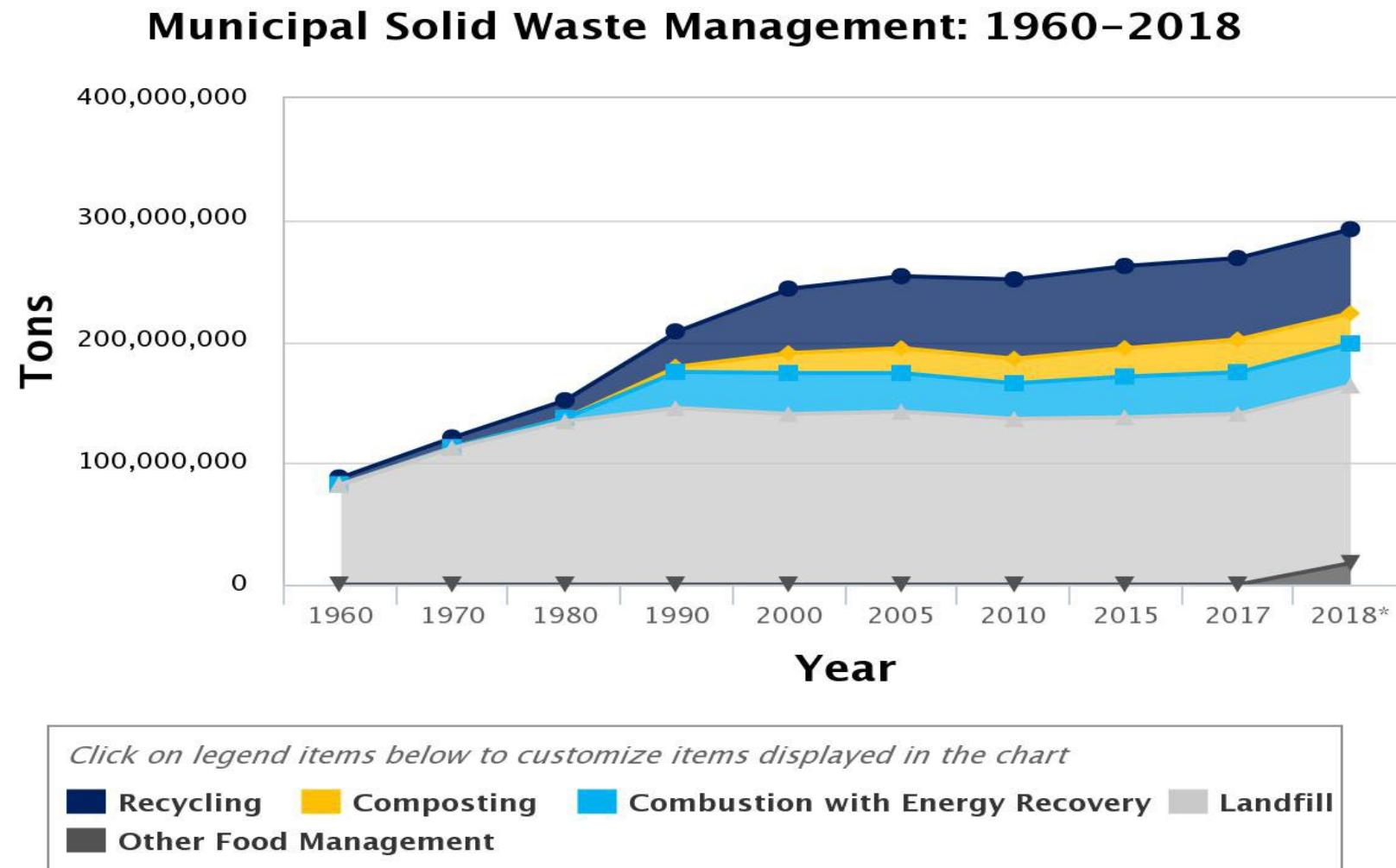
Regional Solid Waste Management Plan



North Central Texas Council of Governments

Final Draft
11/18/2022

Municipal Solid Waste Management in U.S.



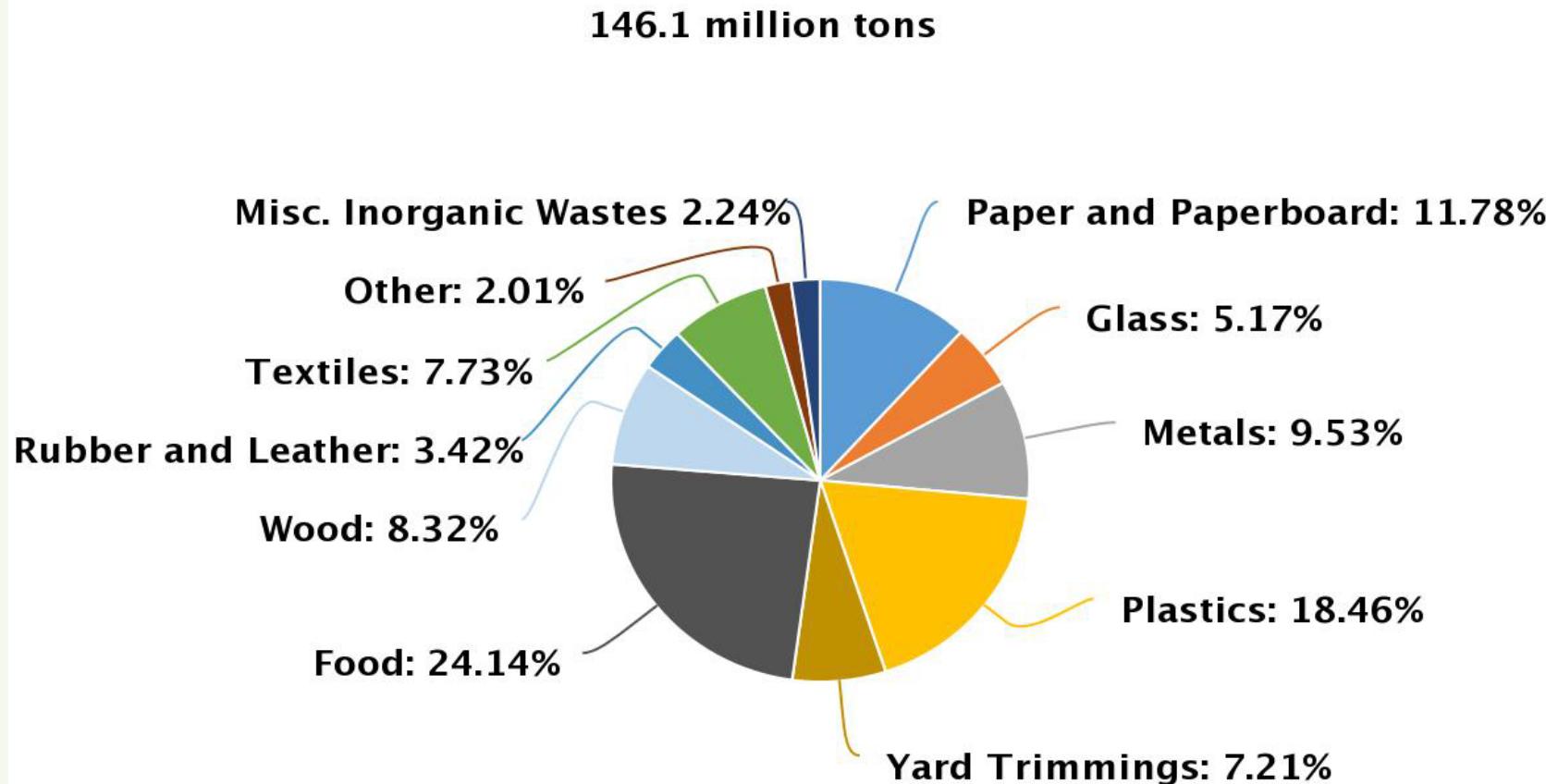
32.1% of Municipal Solid Waste was recycled or composted in 2018, the most recent year data is available.

The National Recycling Goal is to increase the recycling rate to **50%** by 2030.

Source: National Overview: Facts and Figures on Materials, Wastes and Recycling, 2018. U.S. EPA.
<https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/national-overview-facts-and-figures-materials#Generation>

National Municipal Solid Waste Landfill Composition

Total MSW Landfill by Material, 2018



2018 Top 3 Components:

Food = 24.14%

Plastics 18.46%

Paper products = 11.78%

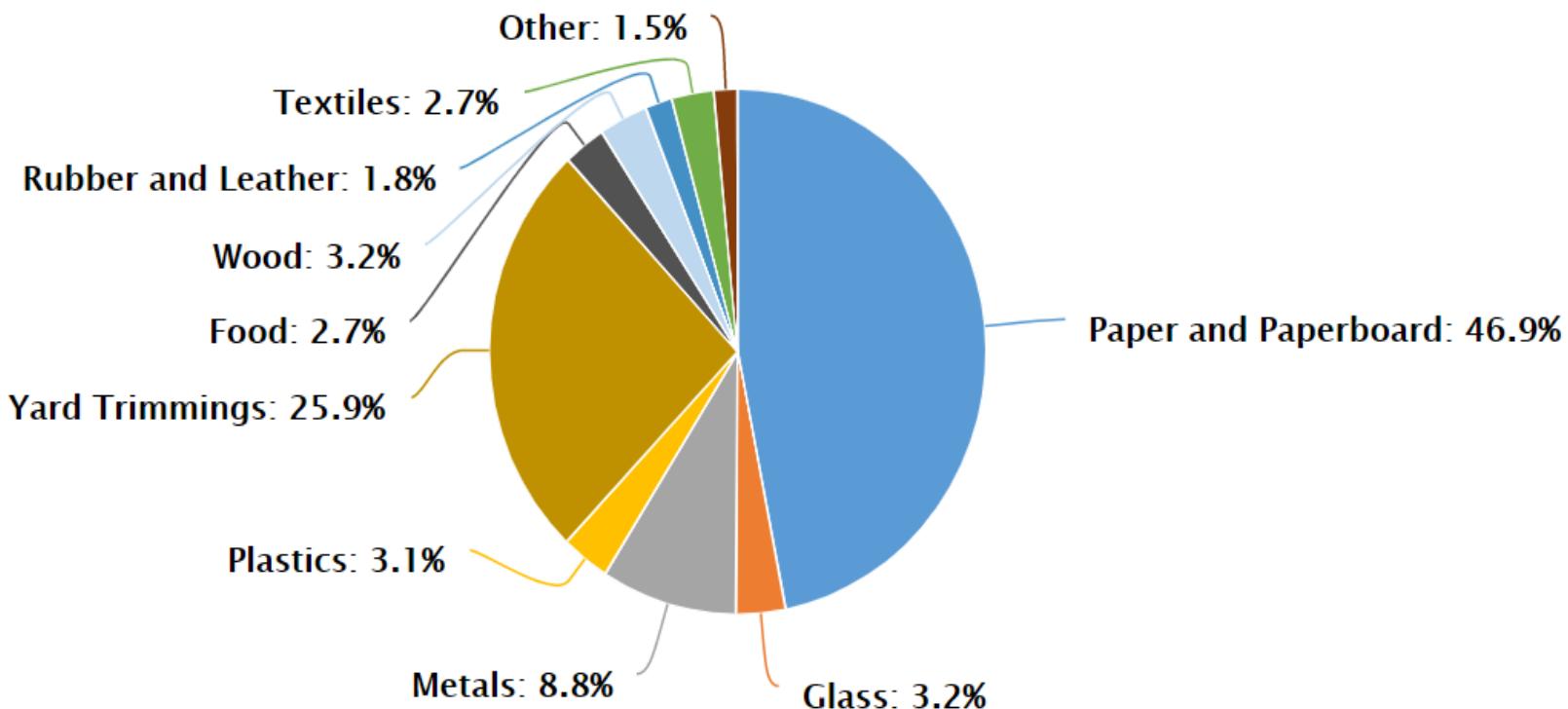
Source: National Overview: Facts and Figures on Materials, Wastes and Recycling, 2018. U.S. EPA.
<https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/national-overview-facts-and-figures-materials#Generation>

National Recycling Composition

Total MSW Recycling and Composting by Material, 2017



94.17 million tons



2017 Breakdown
of Top 3
Components:

Paper – 46.9%

Yard Waste –
25.9%

Metals – 8.8%

Source: U.S. EPA, National Overview: Facts and Figures on Materials, Wastes and Recycling, 2017. <https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/national-overview-facts-and-figures-materials#Recycling/Composting>

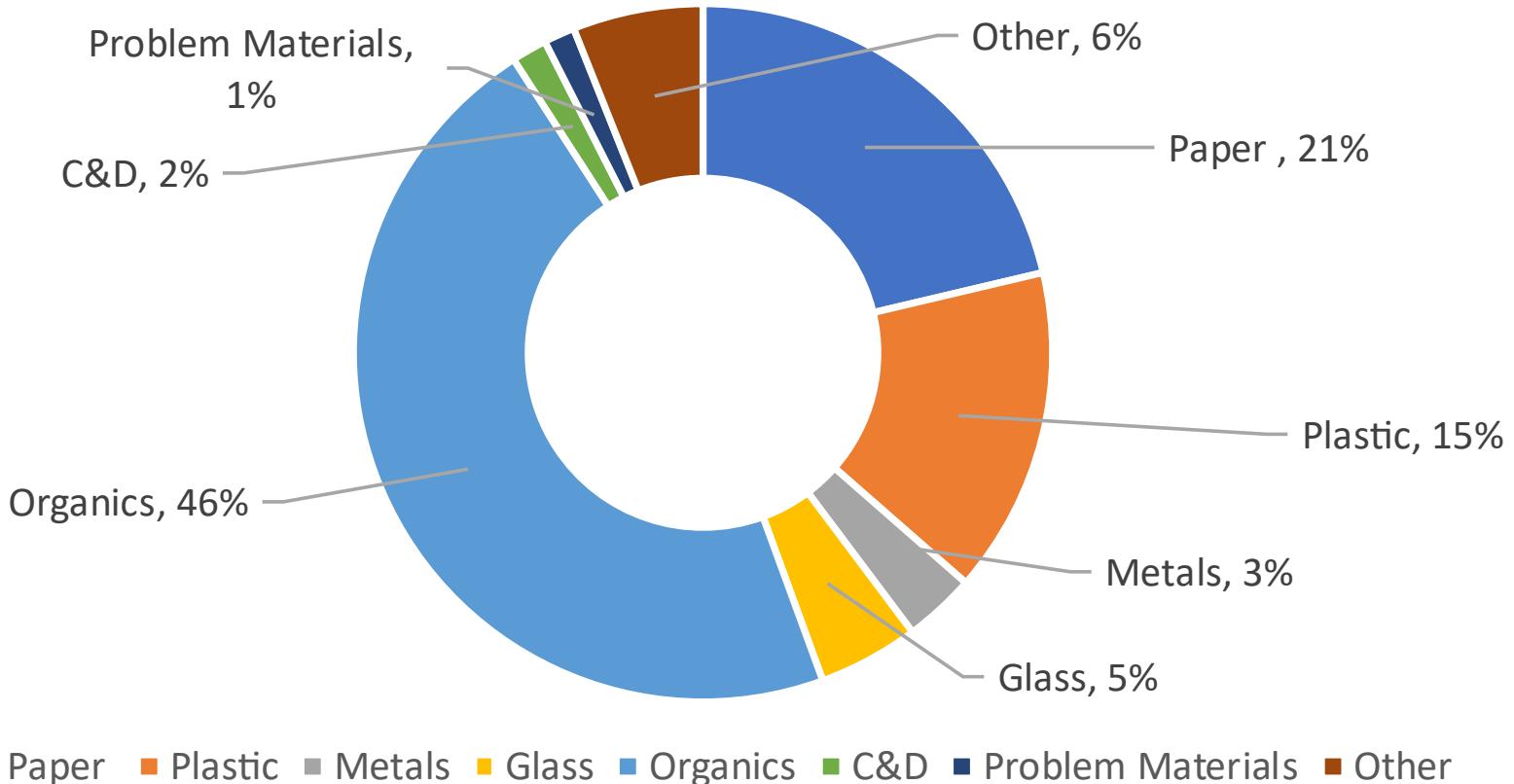
2020 North Central Texas Municipal Solid Waste Composition

Composition of Organics:

- Food Waste = 27.8%
- Other Organics = 13.2%
- Yard Waste = 5.1%
- Wood (non C&D) = 0.4%

TOTAL = 46.5%

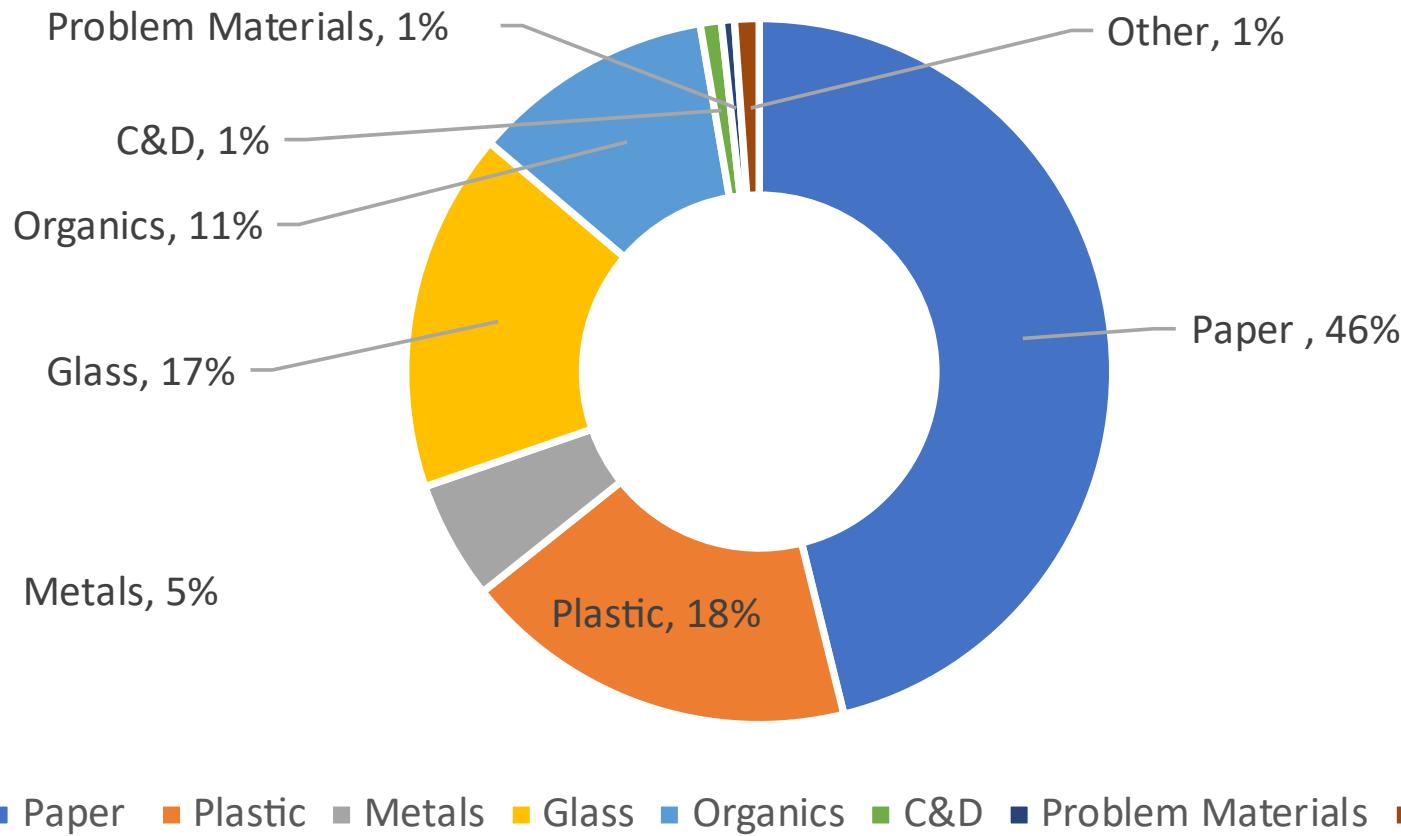
2020 Garbage Material Category Summary



Source: NCTCOG Waste Characterization Study, Prepared for NCTCOG by Burns and McDonnell. 2020.

2020 North Central Texas Municipal Solid Waste Recycling Composition

2020 Recycling Material Category Summary



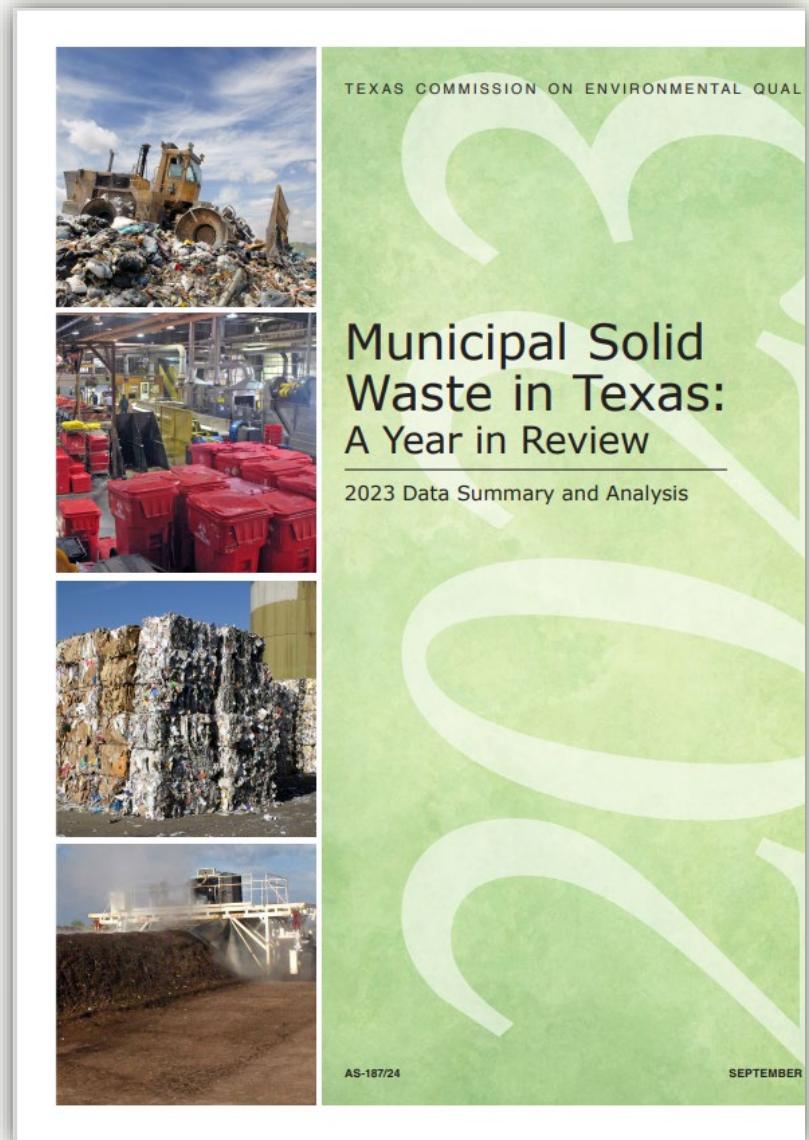
Regional capture rate
of recycled materials
estimated at 28.7%.

Municipal Solid Waste in Texas: A Year in Review

2023 Data Summary and Analysis

Published and distributed by the Texas Commission on Environmental Quality

- ▶ 40,105,817 tons of waste disposed in Texas
 - ▶ 241,594 tons accepted from out of state and out of U.S. combined
- ▶ Estimated 7.20 lbs. per day / person
 - ▶ About 31 cell phones ([EPA](#))
- ▶ Estimated **statewide** landfill capacity is **50 years**



Municipal Solid Waste in Texas: A Year in Review (2023)

Published and distributed by the Texas Commission on Environmental Quality

The NCTCOG region generated 11,107,999 tons of waste in 2023 (TCEQ).

How many AT&T Stadiums would this fill?

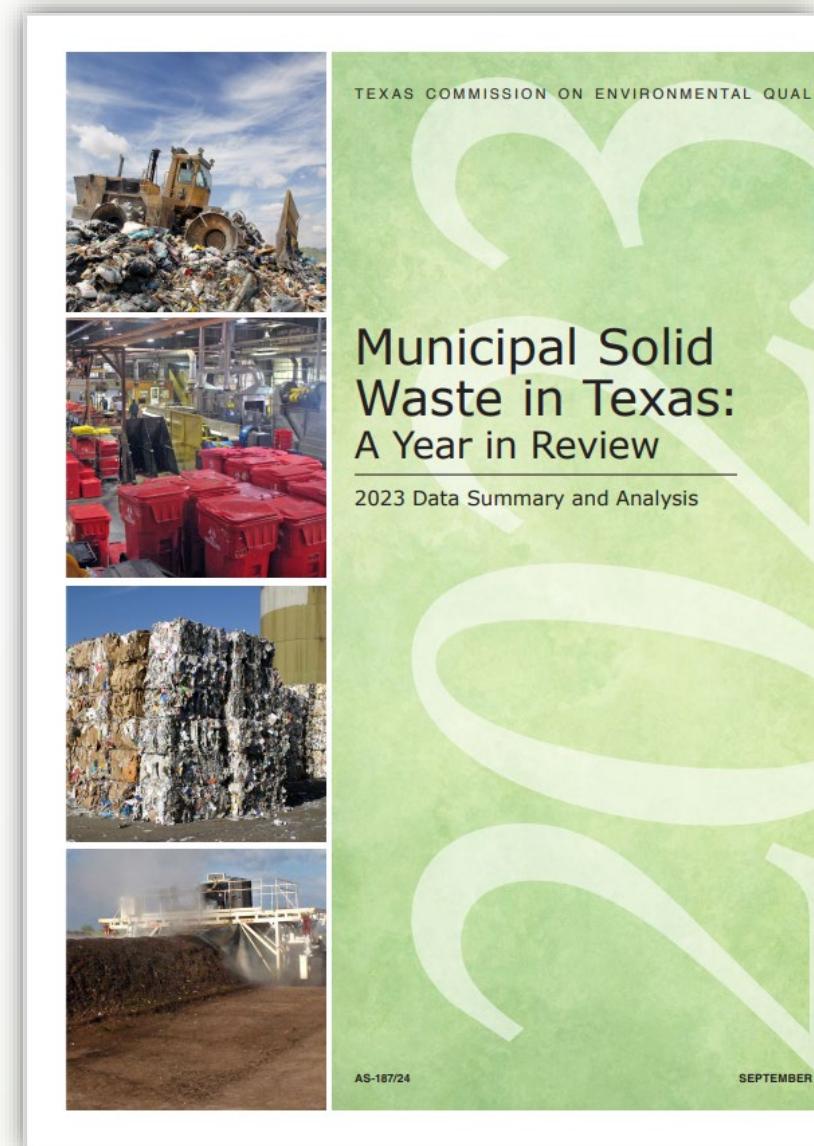


3.8 AT&T
Stadiums

Regional Solid Waste Grants Program

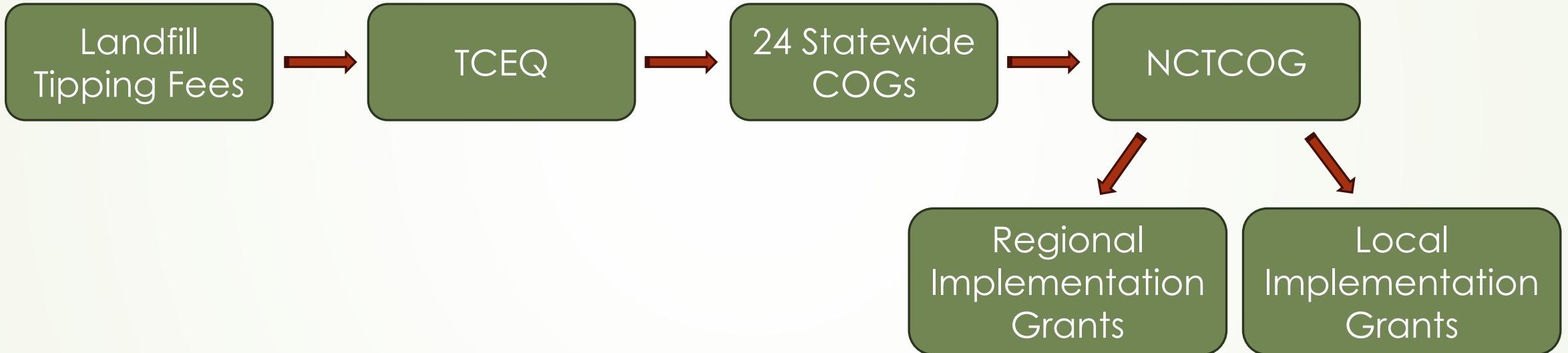
Contact your local COG!

- ▶ TCEQ allocates funds generated by **landfill tipping fees** to the 24 council of governments in the State of Texas
- ▶ Portion of this funding at NCTCOG is allocated towards **local and regional implementation grants**
- ▶ All COGs required to issue a **biennial report to legislature** detailing impacts and results of pass-through grants



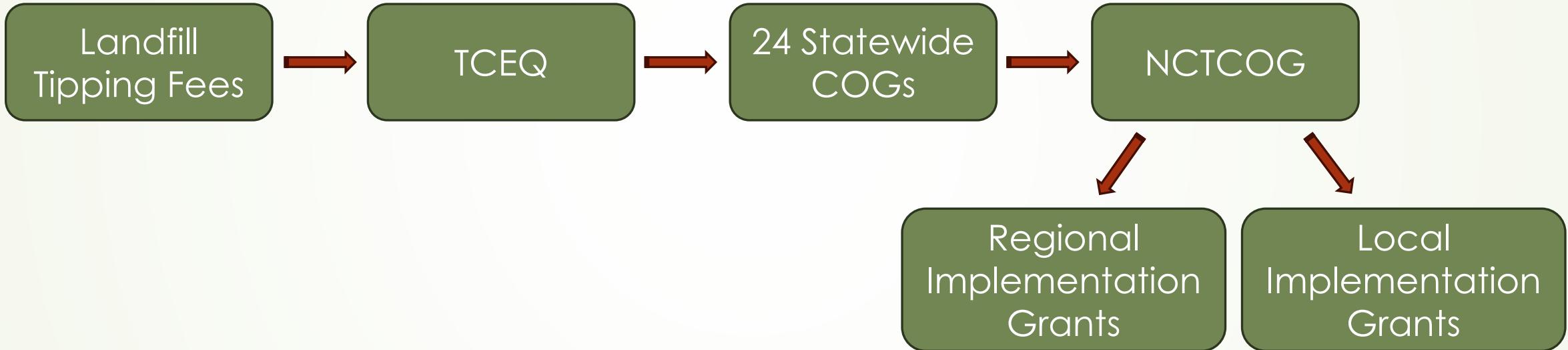
Regional Solid Waste Grants Program

Contact your local COG!



Regional Solid Waste Grants Program

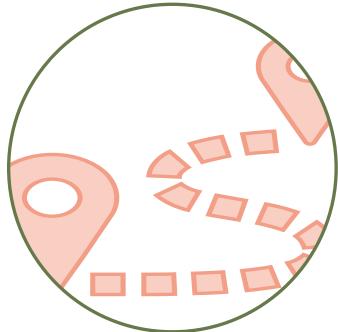
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Regional Solid Waste Grants Program



Cities



Counties



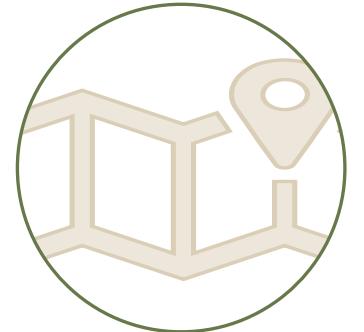
Public schools and school districts

(excluding Universities or post-secondary education institution)



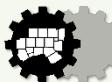
General and special law districts

created in accordance with state law, and with authority and responsibility for water quality protection or municipal solid waste management, to include river authorities



Councils of Governments

— NCTCOG may propose to conduct a regional project



Regional Solid Waste Grants Program

Local Enforcement

Source Reduction and Recycling

Household Hazardous Waste

Litter and Illegal Dumping Programs

Citizens' Collection Stations and "Small" Transfer Stations

Local Solid Waste Management Plans

Technical Studies with a regional scope/impact

Educational and Training Projects

City of Denton | 2022-2023

Source Reduction and Recycling

Grant Narrative

- Commercial Food Waste Diversion
- Requested funding: \$67,723.00
- Received funding: \$60,723.00

Budget Narrative

- Equipment @ \$32,500.00
- Construction @ \$15,000.00
- “Other” Expenses @ \$13,223.00

Year-Later Results

- 26 pilot program participants
- Low contamination rates, 59% participation per week



	Total Tonnage		
	2021-22	2022-23	2023-24
Trash Tonnage	575.3	945.0	802.6
Recycling Tonnage	176.3	158.7	76.8
Organics Tonnage	0.0	12.5	74.8
Total Tonnage	751.6	1,116.2	954.2

City of Euless | 2020-2021

Local Solid Waste Management Plans / Technical Studies

Grant Narrative

- **Multi-City DDMP: Bedford, Colleyville, Euless, Grapevine, and Hurst**
- Requested funding: \$125,000.00
- **Received funding: \$125,000.00**

Budget Narrative

- 1 x Contract Disaster Debris Preparedness Plan

Year-Later Results

- 230,210 total population served
- 3 Counties served (Tarrant, Dallas, Denton)



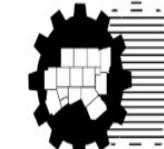
The City of Euless, Texas Disaster Debris Management Plan

June 2021

The preparation of this report was financed through grants from the State of Texas through the Texas Commission on Environmental Quality and the North Central Texas Council of Governments.



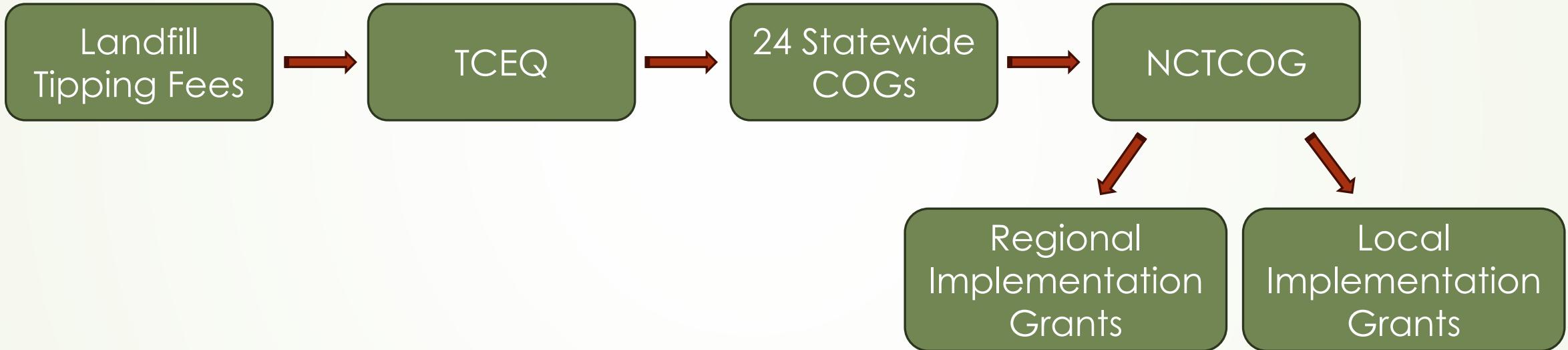
North Central
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Environment & Development

Regional Solid Waste Grants Program

Contact your local COG!



Regional Solid Waste Grants Program

Regional Tire Collection Event Funding

- ▶ Regional scrap tire collection campaign
- ▶ Reimbursement based program
- ▶ Host an event for residents OR collect tires from an illegal dump site on **public** property

“Just because I’m bald doesn’t mean *my* life is over.”

#TalkingTrash



TimeToRecycle.com

2022-2023 Results

Participating Entities • 11 municipalities
• 3 counties

Total Tires Collected 17,143

Total Funding Reimbursed \$46,922.50

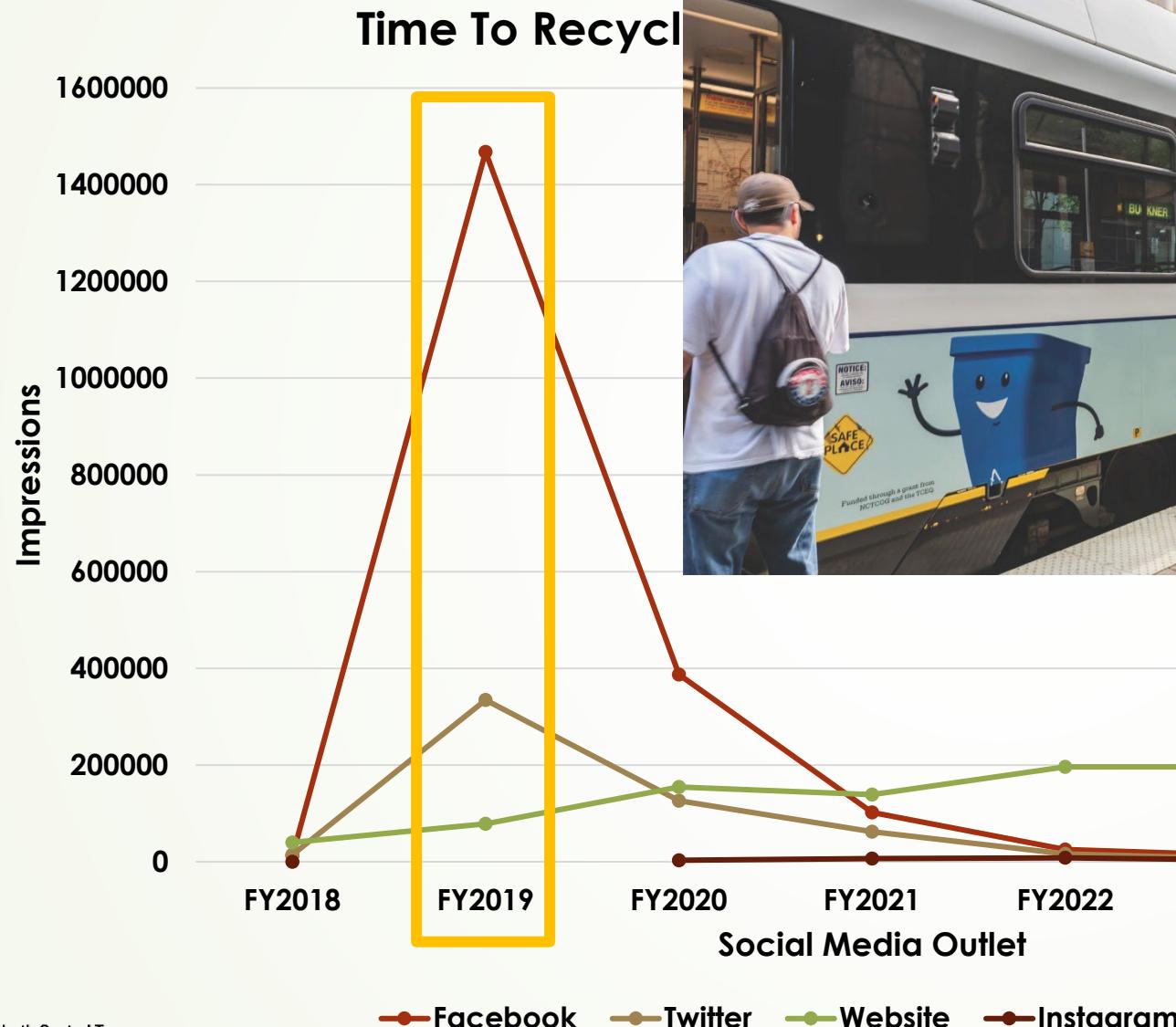
Regional Solid Waste Grants Program

Time to Recycle

- ▶ Regional recycling campaign
 - ▶ Launched August 2018



Regional Solid Waste Grants Program



JUL

✓ Plastic Bottles, Aluminum Cans, Glass Bottles

✗ Propane Tanks (HHW Events)

<http://www.timetorecycle.com/locator/map.asp>

<http://www.timetorecycle.com/household-hazardous-waste.asp>

AUG

✓ Plastic Bottles, Aluminum Cans, Glass Bottles

✗ Plastic Bags (Back to School Shopping)

<http://www.timetorecycle.com/resources/eco-shopping-game.asp>

<http://www.timetorecycle.com/locator/map.asp>

SEP

✓ Paper

✗ Take Out Containers/Plastic Utensils/Plastic Bags

<http://www.timetorecycle.com/resources/media.asp>

<http://www.timetorecycle.com/shredded-paper.asp>

OCT

✓ Cardboard

✗ Needles and Medical Equipment

<http://www.timetorecycle.com/knowwhatthrow/>

<http://www.timetorecycle.com/locator/city-list.asp>

NOV

✓ Steel Cans, Food Cans, Aluminum Cans

✗ Food Waste/Contamination

<http://www.timetorecycle.com/creative/>

<http://www.timetorecycle.com/composting/bokashi.asp>

DEC

✓ Cardboard

✗ Plastic Bags and Batteries

<http://www.timetorecycle.com/e-recycling/>

<http://www.timetorecycle.com/christmas-trees.asp>



Regional Solid Waste Grants Program

North Central Texas Reuse Marketplace

- ▶ Regional reuse campaign
 - ▶ Launched September 2024



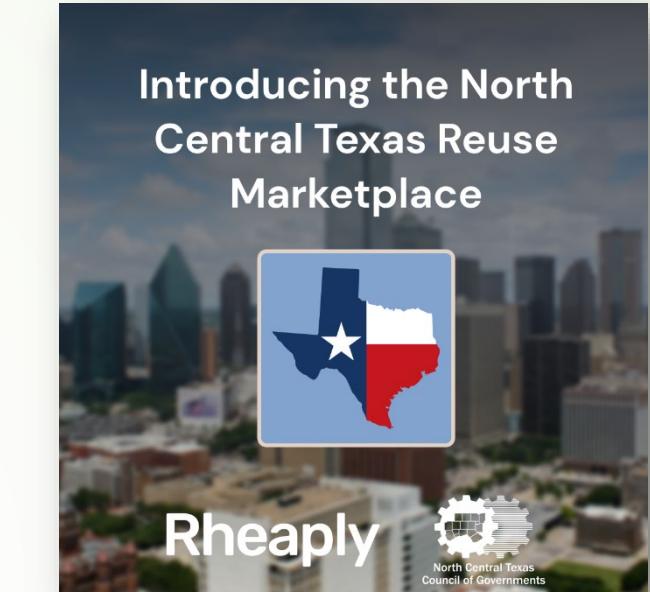
**68 TOTAL
ORGANIZATIONS**



44,321 LBS. DIVERTED



**\$58,964 TOTAL MARKET
VALUE EXCHANGED**



Regional Solid Waste Grants Program

Regional Electronics Recycling Contract

- ▶ Launched 2019 and Renewed in 2023
- ▶ Master Services Agreements
 - ▶ 3-year term and opportunity for 2 additional 1-year renewal periods
 - ▶ 2 current MSAs
- ▶ Services for permanent facilities, one-day events, drop-off of recyclables at the vendor's facility, and asset disposition



Regional Solid Waste Grants Program

Solid Waste Administration & Solicitation Support Project

- Help communities streamline the process of procuring solid waste management services

Procurement
Process
Information

Guidance
Documents for
Development of
Contracts

Model
Ordinance
Language

White Papers
Discussing Best
Practices

- Municipal or other local agencies serving communities with a population less than 20,000 are encouraged to participate in the stakeholder group

Solid Waste Infrastructure For Recycling Support

- ▶ Help communities streamline the process of procuring organic waste management services, which will complement the Solid Waste Administration and Solicitation Support Project
- ▶ The **public** document library will include the following guidance documents, specifically for organic waste management:

**Procurement
Process
Information**

**Development
of Contracts**

**Model
Ordinance
Language**

**White Papers
Discussing
Best Practices**



Thank you!

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