

1. 1:00 P.M. Solid Waste Committee Meeting Presentation

Documents:

[2026-01-21 SOLID WASTE COMMITTEE PRESENTATION.PDF](#)



NORTH  
TEXAS  
MUNICIPAL  
WATER  
DISTRICT

*Regional. Reliable. Everyday.*

Regional Service Through Unity:  
Meeting Our Region's Needs Today  
And Tomorrow



## SOLID WASTE COMMITTEE MEETING

JANUARY 21, 2026



# Agenda

- I. CALL TO ORDER
- II. PUBLIC COMMENTS
- III. OPENING REMARKS
- IV. ACTION ITEMS
- V. DISCUSSION ITEMS
- VI. ADJOURNMENT



# Agenda

## IV. ACTION ITEMS

- A. Consider approval of Solid Waste Committee meeting minutes – November 19, 2025
- B. Consider recommendation to hold hearing on City of Melissa request to become Regional Solid Waste System Member City

## V. DISCUSSION ITEMS

- A. Update on Texas Commission on Environmental Quality Proposed Agreed Order for 121 Regional Disposal Facility
- B. Second Modification of Interlocal Cooperation Agreement between North Texas Municipal Water District and the City of Plano, Texas for Amended and Restated Regional Composting Program and Second Modification of Memorandum of Understanding between North Texas Municipal Water District and the Cities of Allen, Frisco, McKinney, Plano and Richardson regarding Amended and Restated Regional Composting Program Interlocal Agreement
- C. Opportunity for Committee members to provide feedback on Solid Waste Committee meeting or request potential future agenda items



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*Jeff Mayfield - Assistant General Manager*

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# Regional Solid Waste System

**Entities Served:** Allen (1991), Frisco (1990), McKinney (1993), Plano (1980), Richardson (1980) & surrounding region

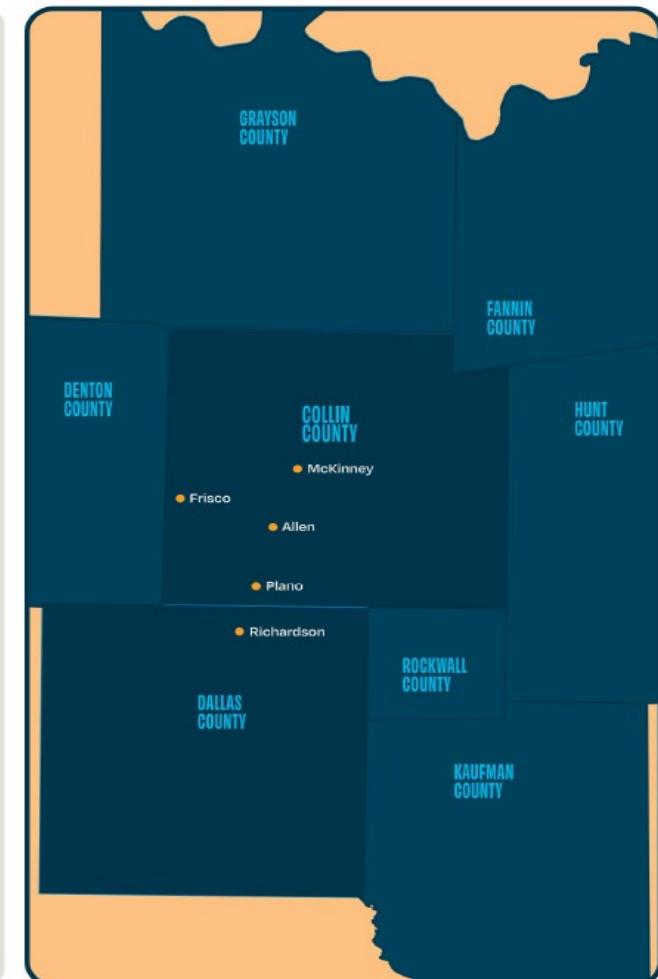
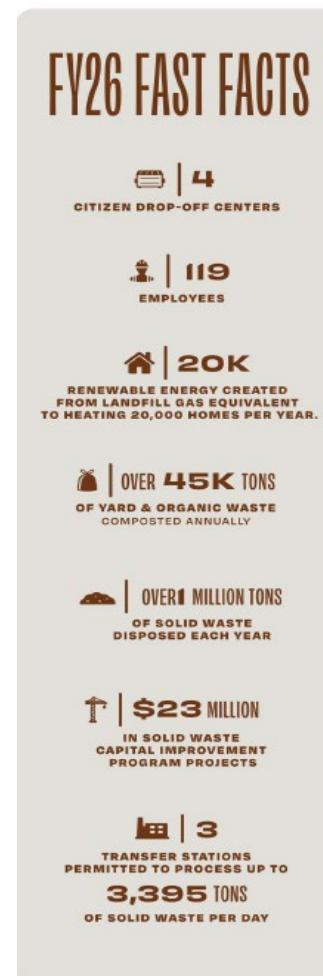
**Transfer Stations:** 3 (4<sup>th</sup> coming soon – Gateway Drive Transfer Station December 2028)  
Transfer Station permitted throughput: 3,395 tons/day

**Landfills:** 121 Regional Disposal Facility (Melissa);  
2 closed LFs minimum 30-year post-closure care

- Site capacity – 134,800,000 cubic yards
- Permitted area – 673 acres
- Permitted fill area – 433 acres
- Approximate remaining site life – 41 years
- Waste acceptance ~ 4,100 tons/day
- Over 1 million tons accepted each year
- Maxwell Creek LF post-closure care began July 2006
- McKinney LF post-closure care began June 2014

## SOLID WASTE SERVICE

### COMMUNITIES SERVED





# Membership Process Overview

- Outlined in Regional Solid Waste System (RSWS) Contract (Section 8.02)
  - ✓ ○ Formal request by proposed additional member city
  - ✓ ○ Study, if any, performed to determine size and type of any solid waste disposal facilities needed to handle the waste for the next 10 years
    - Not performed as nearly all waste currently delivered to 121 RDF
    - Memo report prepared reviewing Melissa tons, financial impacts
  - Board of Directors call hearing and notify all Regional Solid Waste System Member Cities to review request from proposed additional member city
    - Notification letter will be sent to RSWS city managers
  - Board meets to consider request
  - If approved, Melissa signs contract with, to extent practicable and applicable, same terms and provisions as current RSWS contract
- Will brief Solid Waste Committee again after hearing and before Board meeting agenda considering request
- Discussed during quarterly December Solid Waste staff meeting and City Manager meeting



## December 4, 2025 Letter Requesting RSWS Membership

- Effective October 1, 2026
- Asked for residents to have access to 2x per month drop-off program upon approval
- Not participate in compost program at this time
- Regional Water System customer since 2003
- Regional Wastewater System customer in 1983 and member in 2019
- No solid waste facilities to purchase from Melissa or need to construct if approved
  - No accelerated cell or other capital construction needed
  - **No additional capital anticipated if approved**



## December 4, 2025 Letter Requesting RSWS Membership (con't.)

- 2025 population ~26,000
  - RSWS member cities ~991,000
- Garbage and recycling collection currently performed by Community Waste Disposal (CWD)
  - Same service provider as Allen
  - Melissa in active discussions with CWD on necessary contract modifications
- Contract requirement to establish a stand-alone solid waste enterprise fund
  - December 2025 – city council authorized City Manager to establish fund





## Previous and Projected Tons Delivered to NTMWD

- 90-95% of Melissa waste has been disposed at 121 RDF

FY	Melissa Waste Disposed at 121 RDF	Melissa Waste Disposed at non-NTMWD Facilities	Total Tons Disposed
2025	19,872	1,614	21,486
2024	19,350	1,889	21,239
2023	17,448	784	18,232

- Melissa's projected 10-year tons

FY	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Tons	22,560	23,688	24,873	26,116	27,422	28,793	30,233	31,745	33,332	34,998



## 121 RDF Site Life Impact

- 121 RDF Site Life
  - Since 2009, average annual increase of tons disposed at 121 RDF is 2.84%
  - Most Melissa tons currently disposed at 121 RDF
  - Adding tons disposed at non-NTMWD facility does not impact projected site life of 41 years



# Financial Evaluation on Strategic Financial Plan

- FY2027 cost per ton with Melissa as member is \$0.42 per ton higher than if paying gate rate
- FY2030 model shows lower rate with Melissa as member
  - Influenced by modeled customer revenue growth, Melissa annual ton increase of 5%





## Melissa/NTMWD Relationship

- Long-standing, built on trust, mutual respect, open communication
- Publicly supportive of landfill operations when addressing resident questions and concerns about benefits of located in Melissa
- Collaborated with NTMWD on projects that benefited landfill operations/costs
  - 188-acre off-site soil stockpile property
  - Stiff Creek Sewer project – facilitated leachate forcemain installation
- NTMWD cooperation allowed for property acquisition and economic development



## Melissa Regional Partnership

- Regional Water System customer since 2003
- Regional Wastewater System customer or member since 1983
- Request letter offered several examples of regional partnerships with other cities



## Committee Consideration

The Executive Director and NTMWD staff recommend the Board of Directors authorize calling a hearing to review the request from the City of Melissa to become a Member City of the Regional Solid Waste System

Contracting Party: City of Melissa

Purpose: Amended and Restated Regional Solid Waste System Contract

Drivers: Policy, Other (Customer request)



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*Mike Friesen – Director of Solid Waste*

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# TCEQ Proposed Agreed Order

- November 15, 2024 – Notice of Enforcement letter
  - Alleged Violation discovered January 12 and 18, 2024
  - “Failure to prevent the emission of landfill odors in such concentration and duration as to cause nuisance to off-site receptors in violation of 30 TAC 101.4. Specifically, the regulated entity was found to have discharged odors that led to documented health effects during the investigation.”
  - 12 Additional Inspections noted in letter from May 2021 – February 2024
    - No Violations
- November 25, 2024 – NTMWD response to letter
  - Provided odor control measures implemented since investigation
- January 21, 2025 - Enforcement meeting with TCEQ
- February 13, 2025 – NTMWD letter to TCEQ further documenting odor control measures implemented since investigation through January 31, 2025



# TCEQ Proposed Agreed Order

- December 15, 2025 - TCEQ Proposed Agreed Order Letter
  - Proposed Penalty of \$10,000 (\$12,500 with \$2,500 deferred) or
  - Perform a Supplemental Environmental Project (SEP)
  - 30 days after effective date of Agreed Order, NTMWD submit an Odor Control Plan; implement within 180 days of submission
- December 22, 2025 – Submitted SEP Application
  - Perimeter Odor Control System installed March 2024
    - ~24,000 feet of pipe around perimeter of landfill permit boundary
    - Neutralizes odors before leaving facility boundary
    - Equipment and startup costs of \$352,280



## TCEQ Proposed Agreed Order – Next Steps

- Deadline to sign Agreed Order paused until receive TCEQ approval of SEP
- Assuming SEP approval, TCEQ to revise Agreed Order to reflect SEP in lieu of penalty, then execute
- Role and Responsibilities of Landfill Gas Contractor TomorrowRNG
  - Contract states contractor is required to operate the wellfield in compliance with site permit and environmental laws
  - Notice of Enforcement letter is documentation of failure to meet contract requirements
  - Letter will be sent to TomorrowRNG documenting contract failure
    - Requested preparation of odor compliance plan to prevent odors
      - Will incorporate into TCEQ-requested Odor Control Plan



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# NTMWD/Plano Compost Agreement

Update to November 19, 2025 Solid Waste Committee Discussion Item

## Interlocal Cooperation Agreement (ILA)

- NTMWD and City of Plano
  - Original Agreement 2003
  - Amended April 2016
  - Expires April 2026
  - First Modification to Amended ILA October 2023
    - Cost per ton is lower if all 5 cities are full participants
    - Defines “Full Participation”





# NTMWD/Plano Compost Agreement

## Companion Memorandum of Understanding (MOU)

- NTMWD and all 5 Solid Waste Member Cities
  - Companion to amended April 2016 ILA
  - First Modification to MOU October 2023
    - Plano to receive TCEQ compost rebate
    - Notification provisions for becoming partial participant or returning as full participant
    - City of McKinney is currently a partial participant





# NTMWD/Plano Compost Agreement ILA/MOU

## Proposed changes

- Second Modification of ILA between NTMWD and Plano
  - Extend contract term through September 30, 2030
  - Surplus fund allocation process
  - Deficit true-up allocation process
- Second Modification of MOU between NTMWD and Solid Waste Member Cities
  - Contractually commit Member Cities to follow surplus fund and deficit true-up allocation since not party to ILA
  - If Member City doesn't reimburse Plano for shortfall, amount will be offset from a future year surplus
  - Agree to participate in and complete negotiations by September 30, 2028 for long-term operational changes to program

## Second modification to ILA and MOU status

- NTMWD, Plano, Allen, and McKinney agreed on language
- Remaining 2 member cities reviewing
- Bring to Board for consideration once review is complete

New after November 2025 committee meeting





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