

Resource Conservation Council Meeting

November 10, 2021

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Welcome and Introductions

Member Roll Call – Please unmute your phone to state your presence.

Guests – Please submit your name and organization into the chat box.

Notification of Conflicts of Interest.

Kathy Fonville, Chair of the Resource Conservation Council (RCC), will request RCC representatives with a potential conflict of interest relating to an agenda item to notify the RCC of the conflict of interest.

Action Items

Meeting Summary. The August 25, 2021, meeting summary will be presented for approval.

- Members: Please unmute your phone to vote.

Action Items

Regional Collaborative Disaster Debris Management Plan

City of Euless will provide a presentation covering the Disaster Debris Management Plan completed as a regional collaborative project with funding awarded through the Solid Waste Grant Program. The other participating cities were Bedford, Colleyville, Grapevine, and Hurst.

The RCC will be asked to review and accept the study which will then go to NCTCOG's Executive Board for acceptance.



Cities of Bedford, Colleyville, Euless, Grapevine, and Hurst Disaster Debris Management Plan Project

Update to Resource Conservation Council

November 10, 2021

Project Purpose

- Develop all-hazards disaster debris management plans (DDMPs) for the Cities of Bedford, Colleyville, Euless, Grapevine, and Hurst.
 - Include latest guidance from the Federal Emergency Management Agency (FEMA).
 - Determine roles and responsibilities.
 - Identify resources:
 - City staff and equipment
 - Contractor information
 - Disposal and end-use options
 - Include operational checklists.
 - Identify collaborations between the cities for operational efficiency.
 - Tabletop Exercise with all 5 cities.

Benefits of the DDMP

Established clear roles and responsibilities in a debris-generating incident.

Identified priorities and strategies for debris-clearing and collection.

Provided public information strategies and templates for use in developing public information messages.

Identified applicable regulations that must be adhered to in conducting debris operations.

Identified resources that can be used in response.

Created financial accountability and tracking.

Planning Activities

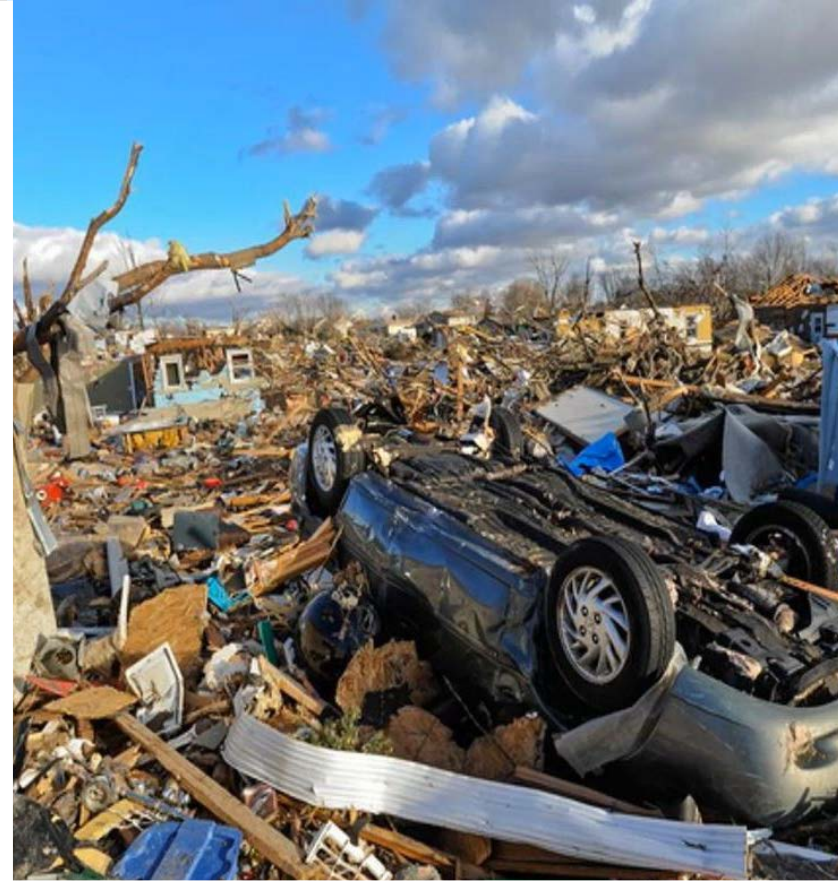
Phase	Target Date
Task 1: Project Initiation and Data Gathering	
Conduct planning meeting	January 27, 2021
Project work plan	February 3, 2021
Conduct project kick-off online meeting	February 10, 2021
Task 2: Debris Management Site (DMS) Analysis	
Conduct site visits of potential DMS locations	February 23 – 25, 2021
Prepare DMS analysis report	March 26, 2021
Task 3: DDMP Development	
Conduct Jurisdictional Working Group Sessions	February 15 – February 26, 2021
Develop Draft Multi-hazard DDMPs	April 2, 2021
Conduct DDMP Plan Review Meeting	April 14, 2021
Finalize DDMP	April 23, 2021
Task 4: DDMP Orientation Workshop	
Design DDMP training workshop materials	April 23, 2021
Conduct the DDMP orientation workshop(s)	April 28, 2021
Task 5: DDMP Orientation Workshop	
Initial Planning Meeting	March 31, 2021
Develop Exercise Materials	April 23, 2021
Conduct Final Planning Meeting	April 30, 2021
Conduct Tabletop Exercise	May 12, 2021
Task 6: After-Action Report and Improvement Plan	
Develop Draft After-Action Report	May 26, 2021
Conduct After-Action Meeting	June 1, 2021
Finalize the After-Action Report and Improvement Plan	June 11, 2021

Tabletop Exercise



Current Status

- Disaster Debris Management Plans have been developed for each City with the approved Contractor.
- An after-action report was conducted to ensure continued improvement of planning and training for all stakeholders.
- RFP for Debris Hauling and Monitoring is in progress.
- Plans will be submitted to the Texas Division of Emergency Management for approval.
- All required reports are complete.
- All contractual requirements of the City of Euless and NCTCOG are complete.



Thank you NCTCOG for awarding the cities of Bedford, Colleyville, Euless, Grapevine, and Hurst this grant to increase disaster response capabilities and community resilience.



Action Items

City of Garland's Recycling and Waste Minimization Study

City of Garland will provide a presentation covering the Recycling and Waste Minimization Study completed with funding awarded through the Solid Waste Grant Program.

The RCC will be asked to review and accept the study which will then go to NCTCOG's Executive Board for acceptance.



GARLAND SANITATION

Recycling and Waste Minimization Technical Study

Key Findings and Recommendations



Introduction

Essential components of the technical study will focus on the following:

- Identify the cost of service for the recycling program
- Identify and establish waste diversion and recycling participation benchmarks and strategies
- Identify recycling contamination reduction strategies
- Forecast financial outlook and long-term feasibility of the recycling program and recycling industry
- Identify recycling and diversion opportunities
- Assess recycling fees, number of routes, equipment and staffing needs
- Assess the potential for increasing commercial recycling customers
- Assess Recycling Center site operations and staffing needs to meet growing demand
- Conduct a financial and environmental analysis showing the difference between recycling vs. landfill disposal



Residential Recycling Programs and Services

- Key Findings

- Compared to the benchmarked municipalities, the City's recycling program is consistent with material recycled on a pounds per household basis.
- Recycling composition is consistent with the benchmark municipalities.
- City has a lower capture rate for key materials compared to benchmark municipalities.
- The City's contamination rate is higher than benchmark municipalities.
- The City spends approximately \$221,000 to have its contamination hauled and processed by FCC.
- There is an opportunity to prioritize waste minimization benefits and best practices as part of the City's education and outreach efforts.

- Recommendations

- Continue providing recycling service to customers that elect to participate in the program.
- Measure recycling on a pound per household basis rather than by more traditional metrics.
- Focus education and outreach on key materials that are not well captured.
- Consider developing and deploying a cart audit program to reduce contamination.
- Track recycling and refuse on a pounds per household basis to support waste minimization efforts.



Recycling Collection Routing

- Key Findings

- The City requires 0.93 additional daily recycling collection routes.
- Increasing daily recycling routes from six to seven would require one additional vehicle and vehicle operator.
- Tuesday and Wednesday have a higher number of collections compared to other collection days.

- Recommendations

- Add one daily (or four weekly) recycling routes to increase the operational efficiency of recycling collections.
- Maintain existing recycling collection days.
- Balance routes by collection days for all residential collection services.



Potential to Increase Commercial Recycling

- Key Findings

- The City's commercial service collect a higher number of collection units for commercial refuse collection compared to recycling.
- Current recycling routes are not fully utilized.
- Business recognition program is an effective voluntary approach to increasing commercial recycling.
- WRAP could be leveraged to support the marketing and education and outreach effort to increase commercial recycling.
- Increasing access to public space recycling for events in the City presents challenges with high levels of contamination.
- Implementing a commercial recycling ordinance would require stakeholder engagement and expansion of commercial recycling services.

- Recommendations

- Expand the City's commercial recycling customer base to fully utilize existing route.
- Develop a business recognition program in conjunction with a WRAP to increase commercial recycling customers.
- Explore stakeholder engagement process regarding the development of a commercial recycling ordinance.



Recycling Center Evaluation

- Key Findings

- Current traffic patterns at the Recycling Center present operational and safety challenges.
- The current equipment at the Recycling Center is sufficient to manage current operations.
- Two FTEs are able to manage current operations at the Recycling Center.
- The current volume of material throughput at the Recycling Center is manageable with current staffing and equipment.
- The size constraints of the Recycling Center prohibit expansion and cause interruptions in material handling operations.
- The Recycling Center has several additional operational challenges.

- Recommendations

- Optimize traffic flows at current or new Recycling Center.
- Maintain the current number of equipment and staffing.
- Ensure drivers continue to utilize in-cab camera technology to safely execute backing maneuvers.
- Develop a new Recycling Center.



Organics Recycling Program Development

- Key Findings

- The expanded organics recycling facility will be nearly break-even and is less expensive relative to landfilling organic material.
- The current cost of hiring a contractor will likely increase.
- Expanding the operation would draw on the City's existing equipment and personnel.
- To expand inbound volume to 60,000 tons per year, the clean brush collected from residents would need to flow to the organics processing facility.
- City of Fort Worth and San Antonio contract for full-service providers.
- The City does not bring in enough material to attract a full-service operator.
- There are several third-party processors in the area, but capacity is limited and the distance to deliver material would be prohibitively expensive.

- Recommendations

- Expand existing operation to process 60,000 CY annually.
- Assess operational needs of adjusting bulk and brush collection operation.



Cost of Recycling Service

- Key Findings

- The cost of service for residential recycling services is \$6.93 per household per month.
- The cost of commercial recycling is \$12.73 per collection, with varying disposal costs depending on the container and frequency of collection.
- Decreasing contamination rate to 15.0 percent would reduce contamination processed by 1,555 tons and provide a cost savings of \$44,635 annually.
- Implementing an additional residential recycling route would increase costs \$0.03 per household per month for all residential customers.
- Implementing a cart auditing program to reduce contamination would offset the cost of hauling and processing of contamination.
- Expanding commercial recycling services would decrease the cost per collection by \$0.56.
- The cost of landfilling recyclables is less expensive than the cost to recycling, varying depending on the opportunity costs associated with landfilling recyclables.

- Recommendations

- Add a residential recycling route.
- Evaluate the implementation of a WRAP and expand commercial recycling to fully utilize route.
- Evaluate the implementation of cart auditing program to reduce contamination.
- Continue diverting recycling materials.



A chalkboard with the text "Any Questions?" written in white chalk. The text is centered and written in a cursive, handwritten style. The word "Any" is on the top line, and "Questions?" is on the bottom line. The chalkboard has a dark, textured background with some faint, illegible markings. The entire image is framed by a bright green border.

Any
Questions?

Action Items

Conformance Review Recommendation: Type V Permit Application for the Highway 24 Transfer Station in Hunt County

Patricia Redfearn, City of Grand Prairie and Vice Chair of the Facility Conformance Subcommittee, will present the conformance review recommendation for RCC approval.

Action Items

FY22-23 Solid Waste Grant Program – Second Call for Projects Timeline

The draft of the second call for projects timeline will be presented to the RCC for review and approval.

Materials Management Call for Projects Timeline

Event	Anticipated Timeline
RCC Meeting- Approve Budget and Call for Projects Criteria	February 18, 2021
Call for Projects Opens	April 7, 2021
Grant Application Webinar & Technical Assistance Activities	April – May 2021
Call for Projects Closes	May 26, 2021
Scoring Sessions (Grant Selection) & Private Sector Review	July 2021
RCC Meeting- Approve Project Recommendations	August 25, 2021
NCTCOG Executive Board- Approve Project Recommendations	September 23, 2021
Execute FY22 Interlocal Agreements	October 2021
Second Call for Projects Opens	January 2022
Second Call for Projects Closes	March 2022
RCC Meeting- Approve Project Recommendations	May 2022
NCTCOG Executive Board– Approve Project Recommendations	June 2022
Execute FY23 Interlocal Agreements	September 2022
Deadline for FY22 Project Completion	March 2023
Deadline for FY22 Project Completion	May 2023



Discussion

Regional Organic Waste Technical Study

NCTCOG will request volunteers for a task force that will guide the activities of the Regional Organic Waste Technical Study.

The Task Force will:

- ▶ Develop a scope of work for the request for proposals
- ▶ Score proposals and select a contractor
- ▶ Review and provide feedback on Study deliverables

Discussion

FY22 Alternates & Subcommittee Selection

The FY22 terms for new and recently reappointed members began on October 1, 2021 and will continue through September 30, 2023. The roster can be found [here](#). NCTCOG will provide RCC members the opportunity to designate alternates and select the subcommittee on which they would like to serve.

Discussion

NCTCOG Updates:

- ▶ Western Region Waste Capacity
- ▶ Regional Solid Waste Management Plan
- ▶ WATER Educational Videos – Solid Waste Related Topic
- ▶ WATER Holiday Grease Roundup
- ▶ Regional Tire Initiative and Task Force
- ▶ FY2020-2021 Solid Waste Grants
- ▶ EPA Region 4 Trash Free Waters Grant
- ▶ North Central Texas Organic Waste to Fuel Feasibility Study

Other Business

Future agenda items

Roundtable topics

Next Meeting Date:

**Wednesday, February 16, 2022 at 1:30
p.m.**

The meeting will be held virtually. Details to follow.

Resources

- ▶ Materials Management website: <https://www.nctcog.org/envir/materials-management>
- ▶ Regional Solid Waste Management Plan: <https://www.nctcog.org/envir/materials-management/materials-management-plan>
- ▶ Solid Waste Grants: <https://www.nctcog.org/envir/materials-management/grants>
- ▶ Regional Electronics Recycling Contract: <https://www.nctcog.org/envir/materials-management/regional-electronics-recycling-contract>
- ▶ Closed Landfill Inventory: <https://www.nctcog.org/envir/materials-management/closed-landfill-inventory>

Resources

- Illegal Dumping: <https://www.nctcog.org/envir/materials-management/illegal-dumping>
- Western Region Waste Capacity Study: <https://www.nctcog.org/envir/materials-management/western-region-solid-waste-capacity-study>
- Regional Recycling Project (Know What To Throw): <https://www.nctcog.org/envir/materials-management/regional-recycling-survey-and-campaign>
- Time To Recycle: <http://www.timetorecycle.com/>
- Senate Bill 1376 Toolkit: <https://www.nctcog.org/envir/materials-management/sb-1376-resources>

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