2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: Arlington ISD
GRANT ADMINISTRATOR: Corey Robinson
KEY PARTNERS: N/A

PROJECT TITLE: AISD RECYCLING PROJECT
REQUESTED SOLID WASTE FUNDS: $196,325 **PROJECT CATEGORY:** Educational and Training Projects

PROJECT SUMMARY:
The Arlington Independent School District (AISD) is seeking to improve educational outreach and awareness efforts to increase recycling district-wide. Currently, AISD utilizes basic tools such as our website, environmental staff and newsletters to educate students, parents and staff. AISD is seeking to improve our recycling efforts by purchasing a Recycling Educational Vehicle wrapped with the AISD Recycling Project logo to promote the program. This vehicle will travel from campus to campus and to community events with the Recycling Education mascot to increase educational and promotional efforts. In addition, this project will include two table runners and one canopy with the AISD Recycling Project logo, shirts for the campus Green Team participants, a printer and ink cartridges for awards and certificates, and new educational marketing materials (flyers, brochures and handouts). Lastly, we will create and distribute banners for each school's campus recycling program; and provide bins for each campus to serve as onsite collection locations.

PROJECT IMPACT:
AISD serves over 60,000 students, 8,200 employees, and the surrounding community. This project will easily impact over 100,000 citizens in Tarrant County. Our schools are located in the cities of Arlington, Pantego, Dalworthington Gardens, and Grand Prairie. This project will increase the number of recyclable materials collected in these areas, diverting these materials from the city landfills, and increasing the awareness of eligible recyclable materials and their proper disposal. Incorporating recycling in the everyday habits of students, parents and staff will instill a better understanding of sustainable materials management and environmental stewardship.

PROJECT GOALS:
- Increase recycling participation district-wide and promote the new single stream program
- Increase awareness and educate our students and staff on the impacts of recycling and recyclable materials
- Establish stronger campus Green Teams
- Promote community and district recycling

KEY TAKEAWAY: Educating and empowering students to understand and recognize the impact of recycling on the environment and community will promote knowledge and action to develop responsible citizens and increase local waste/recycling management efforts.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Burleson TX
GRANT ADMINISTRATOR: Stormy Johnson
KEY PARTNERS: N/A

PROJECT TITLE: Burleson Debris Management Plan

REQUESTED SOLID WASTE FUNDS: $$43, 218.00 **PROJECT CATEGORY:** Promote Creation and Expansion of Materials Management Programs
PROJECT SUMMARY: Develop and write a debris management plan that will effectively provide a coordinated effort in the City's recovery from a debris generating incident.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.:***
The City of Burleson understands that we are susceptible to natural, man-made and technological hazards that may cause a debris generating incident in our community and the importance of being prepared. The City of Burleson is seeking funding to develop a Disaster Debris Management Plan that facilitates quick response and recovery activities, quick return of our community back to normal, reduces impacts to humans and the environment, ensures effective use of our resources, helps minimize costs, and aids in complying with applicable local, state and federal regulations. Disaster debris can complicate and delay disaster response activities such as emergency medical services, transportation of victims or relief teams, firefighting, police, & provisions of shelter, food, and water to disaster survivors. Disaster debris can complicate & delay the recovery goals of our community. In many disasters, the amount of debris generated can be equivalent to years, if not decades, of normal solid waste production in the affected jurisdictions. Local landfill capacities may be overwhelmed, roads may be damaged by debris hauling, & the debris may present a public health & safety hazard.

PROJECT GOALS: Please write a brief description of the goals of the proposed project.: Develop and write a Debris Management Plan for the City of Burleson

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.:*** A Disaster Debris Management Plan will provide roles & responsibilities, identify debris removal & debris monitoring resources, public information strategies, identify debris management sites & available resources…one of the most expeditious and effective ways to economic recovery

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Cedar Hill
GRANT ADMINISTRATOR: Duy Vu
KEY PARTNERS: Public Works, Environmental Services, PW Operations

PROJECT TITLE: Asphalt Recycler and Hot Box

REQUESTED SOLID WASTE FUNDS: $45,355 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: The City of Cedar Hill requests grant funding to supply an infrared asphalt recycler and hot box. The Public Works Department generates approximately 30 yards of asphalt road waste per week. The Public Works Department currently cuts and removes all damaged asphalt road. The road is repaired with new asphalt. The damaged asphalt is collected in roll-offs. The roll-offs are hauled away by WM to the landfill. With the new equipment, damaged asphalt road with a good base will no longer be cut and removed. Instead, the requested equipment melts and recycles the existing damaged asphalt into workable material for road repair. Nothing is cut, removed or landfilled in this process. With the new equipment, the Public Works Department will divert 90% of all asphalt to the landfill. The remaining 10% consists of damaged asphalt road with a bad base which would still be cut, removed and hauled to the landfill.

PROJECT IMPACT: The project is anticipated to divert 90% of asphalt waste generated by the Public Works Department. The project will improve air quality. WM will reduce the need to haul the 30-yard rol-off of asphalt waste to their landfill from a weekly basis to a monthly basis. WM's deisel fuel trucks travel 52 miles round trip to haul one 30-yard roll-off of asphalt waste from the WM Landfill in Ferris to the Cedar Hill Service Center. The project improves the overall safety of crews. The requested equipment eliminates the manpower cost of cutting and removing damaged asphalt. The requested equipment eliminates the redundant manpower cost of loading damaged asphalt into a dump truck, unloading damaged asphalt at the Service Center and reloading damaged asphalt into a WM roll-off.

PROJECT GOALS: Promote creation and expansion of materials management programs

KEY TAKEAWAY: 30 yd^3 asphalt safely diverted from the landfill per week

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Cedar Hill
GRANT ADMINISTRATOR: Duy Vu
KEY PARTNERS: Public Works, Environmental Services, Parks and Recreation

PROJECT TITLE: Wood Chipper

REQUESTED SOLID WASTE FUNDS: $192,490 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: Cedar Hill requests grant funding to purchase a tree chipper with electronic grappler designed for safe one-man operation. Parks and PW generate approximately 120 yd^3 of trees and brush/week. The City currently owns a 25-year-old small 16" chipper that requires a 4-man crew to operate safely because large branches and tree trunks must be sawed into smaller pieces to fit. Due to limited manpower, the City cannot divert a full crew to chip trees. Current operations has one man loading into roll-offs using a backhoe to be disposed at the WM landfill. The requested chipper will accomplish two tasks. FIRST, the chipper will be safe for one-man operation to prevent the diversion of an existing crew or the need to hire a new 4-man crew for safe operation. Thus, the chipper must be sized appropriately to accept full sized tree branches and trunks and have a mechanism for one-man to operate and lift full sized tree branches and trunks. The requested chipper is a 21" drum chipper with built-in electronic remote grappler. The vendor will provide training for staff for safe operation. Only trained staff will use the chipper. SECOND, the requested tree chipper will divert all tree and brush waste generated by Parks and PW from the WM landfill. The resultant wood chips will be land applied on City grounds including but not limited to parks, trails and ROWs. The wood chips will also be given away to the public during a mulch giveaway pilot event. The success of the pilot event will determine the feasibility of future events.

PROJECT IMPACT: Cedar Hill designates 20% of all land use to green and open space. Parks generate tree and brush waste through the maintenance of park grounds. PW generates tree and brush waste through the maintenance of City ROWs typically following storms. The project is anticipated to divert all trees and brush generated by Parks and PW. The landfill diversion rate is approximately 120 yd^3 of trees and brush per week or 6,240 cubic yards per year. The waste diversion is in line with the goal of the Resource Conservation Council's of extending the life of existing landfills. The project will save the City and residents from purchasing mulch for property maintenance. The project will improve air quality. WM will no longer need to haul four 30-yard roll-offs of tree and brush waste to their landfill on a weekly basis. WM's deisel fueled trucks travel 208 miles round trip to haul all four 30-yard roll-offs of tree and brush waste from the WM Landfill in Ferris to the Cedar Hill Service Center.

PROJECT GOALS: Promote creation and expansion of materials management programs

KEY TAKEAWAY: 120 yd^3 brush safely diverted from the landfill per week

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Cleburne Public Works Department, Sanitation Department
GRANT ADMINISTRATOR: Jeremy Hutt, PE, CFM, City of Cleburne Director of Public Works
KEY PARTNERS: Rodney Collins, City of Cleburne Sanitation Superintendent; Julie Winchell, City of Cleburne Environmental Coordinator

PROJECT TITLE: City of Cleburne Transfer Station Residential Unloading Stations

REQUESTED SOLID WASTE FUNDS: $200,000 **PROJECT CATEGORY: Citizens' Collection Stations**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***

The City of Cleburne Sanitation Department is seeking to improve the existing citizen/residential drop-off process for unloading waste at the City's Transfer Station by adding additional unloading stations that are solely for residential customers. The project will include site improvements to construct dedicated citizen/residential drop-off stations for unloading waste. The improvements are expected to include dedicated drive lanes, retaining walls, railings, dumpsters and drainage improvements. The improvements will also improve access to the recycling stations located at the Transfer Station by alleviating the traffic congestion created around the recycling stations when customers wait to access the scales.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***

The project will benefit the residential/citizen users of the Transfer Station, which serves the City of Cleburne and surrounding Johnson County, by providing additional dedicated capacity for citizen users at the facility. The existing facility is currently not able to handle the demand effectively and anticipated growth in the region will further hinder efficient solid waste management at the facility. The project advances the regional plan goals of Planning for Sustainable Materials Management in North Central Texas by advancing materials management options for waste disposal and reducing illegal dumping of residential/citizen solid waste in Cleburne and Johnson County.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***

The project goals include site improvements to construct dedicated citizen/residential drop-off stations for unloading waste, providing additional and dedicated capacity for citizen users at the collection station, and reducing illegal dumping of residential/citizen solid waste in Cleburne and the surrounding areas.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

Improve the solid waste management and customer service experience at the City of Cleburne Transfer Station while improving the overall regional materials management service level provided by the facility through the creation of dedicated residential/citizen drop-off locations and streamlined processes for waste disposal.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Dallas Park and Recreation Department – Park Maintenance and Operations Division
GRANT ADMINISTRATOR: Oscar Carmona

PROJECT TITLE: Dallas Treecycling

REQUESTED SOLID WASTE FUNDS: $200,000 **PROJECT CATEGORY:** Source Reduction and Recycling

PROJECT SUMMARY:
The City of Dallas, through its Park and Recreation Department, seeks to pilot an Organic Materials Composting project with support from the FY2020-2021 Materials Management Implementation Grant. We will purchase a trommel to filter tree debris that can be turned into mulch and compostable materials for sites throughout the City. The project will divert at least 1,000 tons of organic material away from the municipal landfill annually. The estimated cost for the equipment is $210K, and the City will make up the difference between the purchase price and the grant amount.

PROJECT IMPACT:
The project will 1) divert organic (arboreal) materials from the Dallas Municipal Landfill; 2) reduce waste stream and/or collection, processing for transport, and transportation of these materials; 3) increase efficiencies and improvements in source reduction and recycling, and; 3) advance the goals of the Planning for Sustainable Materials Management in North Central Texas by increasing organic recyclables for this City of 1.35 million people.

PROJECT GOALS:
1. Purchase a commercial grade (filtering) trommel that can be moved to various sites
2. Divert 100% of materials generated by Forestry Services from the municipal landfill
3. Utilize the resulting mulch and composted materials at City parks and other City facilities
4. Document the amount of material diverted from the landfill and the cost savings from tipping fees, transport, and the third-party purchase of mulch and compost

KEY TAKEAWAY:
This is an environmentally sound project that will produce greener management practices and innovations for park maintenance, and help reduce the carbon footprint for the City of Dallas.

2020 SOLID WASTE IMPLEMENTATION GRANT
PROJECT SUMMARY SLIDE

APPLICANT: Denton County

GRANT ADMINISTRATOR: Eric M. Gildersleeve, Assistant Emergency Management Coordinator

PROJECT TITLE: Denton County Disaster Debris Management Plan Update

REQUESTED FUNDS: $71,566 **PROJECT CATEGORY:** Local Solid Waste Management Plans

PROJECT SUMMARY: The goal of this project is to hire a contractor with the expertise in debris management to aid Denton County Emergency Service Staff in the rewriting of the "Denton County Disaster Debris Management Plan." The current plan was written in 2010 and adopted in 2011. The plan outlines 12 sites that would serve as Disaster Debris Management Sites (DDMS), of which most have been received extensive vertical building for; commercial, residential, or educational facilities. Denton County needs to update or rewrite the existing plan to current Federal and State regulatory requirements while also identifying new sites to serve as DDMS.

PROJECT IMPACT: This project will serve to update the countywide Disaster Debris Management Plan, Denton County is a fast growing jurisdiction with 45 municipalities either wholly or partially within the 958 sq. mi. that we cover with unique challenges including three US Army Corps of Engineer lakes providing drinking water to several jurisdictions within the region. The proper assessment, collection, and sorting of disaster debris is crucial to a fiscally responsible and environmentally sound recovery.

PROJECT GOALS: To provide a comprehensive update to the Denton County Disaster Debris Management Plan, identify new Disaster Debris Management Sites, obtain pre-approval of DDMS through Texas Commission on Environmental Quality (TCEQ) for sites, develop land-owner contracts for use of sites, and conduct table top exercises annually to test our plan.

KEY TAKEAWAY: Denton County is a large urban county with a population expected to meet or exceed 1 Million in 2020 Census. Updating the current Disaster Debris Management Plan will help ensure Denton County and it’s residents are better prepared for a catastrophic incident requiring the activation of current contracts with debris management companies and environmental monitors.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Denton
GRANT ADMINISTRATOR: Joetta Dailey/David Hunter
KEY PARTNERS: Denton County/Upper Trinity Regional Water District

PROJECT TITLE: Monitoring program of illegal dumping in remote areas with high resolution deployable camera system

REQUESTED SOLID WASTE FUNDS: $29,427.30 **PROJECT CATEGORY: Local Enforcement**

PROJECT SUMMARY: ***Illegal dumping in remoted undeveloped areas is a regular occurrence in many areas of the City of Denton and Denton County. Curb side Solid Waste, Recycling and Household Hazardous Waste programs are provided by the City of Denton Solid Waste Department. The City runs a municipal landfill which is accessible to residents. Solid waste programs are well advertised and reasonably priced, however illegal dump sites are occurring. Watershed Protection and Community Improvement Services staff address cleaning of illegal dump sites through a contract service for roadside accessible sites. Watershed Protection staff removes item dumped in waterways for the contractor to access. Currently our citizens are paying for the cleanup of the illegal dump sites. Many of the dump sites are in or near waterways and poise an environment threat in addition to aesthetics and property values. We desire to enhance our enforcement ability by deploying high quality surveillance cameras. Staff has previously pursued a low budget option and purchased trail cameras. We have not been able to obtain quality imagery or license plates to provide the Police Department with sufficient evidence. We have also experienced theft of the trail cameras. Project will utilize robust monitoring with real-time capability to mitigate problems that caused shortfalls in the ability to gather data for prosecution of illegal dumping crimes.***

PROJECT IMPACT: ***This remote monitoring system used in conjunction with field monitoring activities and reports for Citizens and partner stakeholder groups will allow the City of Denton and Denton County to better address illegal dumping in remote areas.***

PROJECT GOALS: ***Use of remote monitoring in identified areas with mobile real-time system. Gather data on remote illegal dumping. Use data with legal guidance to prosecute illegal dumping***

KEY TAKEAWAY: ***Better data and information to effectively prosecute illegal dumping activities in remote areas.***

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Denton
GRANT ADMINISTRATOR: Arturo Garcia, Site Operations Manager, City of Denton Solid Waste & Recycling
KEY PARTNERS:
PROJECT TITLE: Household Hazardous Waste Collection Program Enhancement Mobile Events

REQUESTED SOLID WASTE FUNDS: $108,000 **PROJECT CATEGORY: Household Hazardous Waste**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Denton's Household Hazardous Waste program has operated as a curbside collection service offered to Denton residents since 2006. In 2018, the program was enhanced to include drop off. The purpose of this project would be to support the expansion of the program to include mobile collection events. Central to the program would be a Mobile Collection Unit taken once a month to a neighborhood in the city, three in each of the four council districts, rotating around the City. The City is requesting funds to assist with this program in purchasing the Mobile Collection Unit, equipment needed for the increased materials collected, as well as education and marketing materials.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
Enhancing hazardous waste collection to include the mobile collections unit as an option for the city residents will provide safe HHW disposal as well as access to a mobile collection unit geographically closer than the current facility. The mobile unit will allow increased materials to be diverted from the landfill, collected for processing, and will provide for more material to be shared with the public in the HHW ReUse Store, therefore extending the life of household hazardous materials before disposal. Handling these at the facility will keep the toxic materials out of the city's landfill. The mobile event will provide an additional service option to the Denton residents and reduce the impact of the public disposing chemicals into the sanitary sewer system, then ending up at the waste water treatment plant. These actions will reduce the expense for the processing and cleaning of the sewer waters for the water treatment plant. Other impacted areas are the groundwater and stormwater systems leading directly into our lakes which provide our drinking water. It will increase safety on collection vehicles where materials may mix and cause dangerous situations with potentials for fires or spills on roads.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
The goal of the project is to introduce innovative technologies into our growing communities, and to provide general public awareness of the best practices of HHW disposal. Measures of these goals will include the total amount of materials processed through the program, amount shared in the ReUse store, the geographical reach of communities participating in the program, and number of people reached through education and outreach efforts.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

The Mobile Collections Unit operated by the Household Hazardous Waste program located in the City of Denton will give residents in growing communities a convenient option for disposal of potentially toxic materials resulting in safer storage and collection and will educate residents about the effects of HHW on the environment and human health.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Denton
GRANT ADMINISTRATOR: Arturo Garcia, Site Operations Manager, City of Denton Solid Waste & Recycling
KEY PARTNERS:
PROJECT TITLE: City of Denton Public Disposal Area/Recycling Center Improvements and Upgrades

REQUESTED SOLID WASTE FUNDS: $85,000 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Denton's existing Public Disposal Area for recycling drop off will need to be relocated prior to the next phase of the landfill development. Thoughtful design could prove crucial to the success of the operations, both from participation, contamination, and user safety standpoint.
Illegal dumping is an issue at existing, unstaffed recycle center locations. As the City of Denton works to upgrade its existing Northlakes location, there is an opportunity to install improvements, such as cameras and litter fencing, designed to reduce illegal dumping and contamination.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
Unstaffed recycling drop off sites in the City of Denton currently have strong participation and community support, but much improvement is needed to reduce contamination and illegal dumping. Successful design, additional signage, cameras, and litter fencing are requested to improve the program. If successful, this model could be used in other communities or when a new site is planned.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
The goal of improving recycling drop off sites in the City of Denton is to decrease contamination and litter, while encouraging participation in diversion programs for all residents. The anticipated effects include decreased contamination and the ability to document illegal dumping incidents via cameras.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

Thoughtful design and improvements of current City of Denton recycling drop off sites could prove crucial to the success of the operations, both from participation, contamination, and user safety standpoint.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Denton
GRANT ADMINISTRATOR: Adrian Hill, Operations Manager, City of Denton Solid Waste & Recycling
KEY PARTNERS:
PROJECT TITLE: City of Denton Recycling Dumpster Contamination Reduction Lids and Locks

REQUESTED SOLID WASTE FUNDS: $45,000 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
In an effort to improve the quality of recycled material at multifamily residential units as well as stem contamination and illegal dumping, the City of Denton proposes to install size restrictive lid modifications and lid locks to the existing recycling dumpsters. Staff has begun tracking contamination on commercial collection routes and targeting them for field audits. Based on the results of the audits, staff then develops custom solutions involving outreach and service levels to curb contamination. One approach, piloted successfully at the University of North Texas residence halls, has been to install specialized container lids to prevent contamination. This funding would enable installation of lids and locks at all multifamily properties in Denton.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
Efforts to target routes for improvement within the City of Denton have lead to the conclusion that some of our most contaminated routes include a higher instance of multifamily properties. Field audits have enabled us to identify contamination, particularly with bulky items. The contamination reduction lids and locks, if proven successful in wider application, could be a model for other cities encountering this issue.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
By reducing the dumpster opening, we hope to reduce the quantity of bulky items contaminating the recycling dumpsters and improve the quality of recycled material received. The updated dumpster features will also include stickers and messaging to increase awareness of program materials. Residents will be issued bins to reinforce the message and encourage participation in the recycling program.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

The City of Denton seeks to implement a contamination reduction lid and lock strategy to improve the quality of the recycling stream, educate our customers, and track our results.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Denton
GRANT ADMINISTRATOR: Brian Boerner, Director, City of Denton Solid Waste & Recycling
KEY PARTNERS:
PROJECT TITLE: City of Denton Comprehensive Solid Waste Management Strategy

REQUESTED SOLID WASTE FUNDS: $100,000 **PROJECT CATEGORY: Local Solid Waste Management Plans**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Denton is seeking proposals from qualified solid waste consultants, individuals, companies, and/or teams/cooperatives, to conduct necessary interviews and research for the development of a comprehensive solid waste management strategy. Many municipalities, both locally and nationally, have created, to their detriment, a Solid Waste Management Plan, which has tied their hands fiscally and operationally as they try to affect diversion and solid waste management in their jurisdiction (i.e. the implementation of the "Chinese National Sword" and the collapse of the national recycling market and its impact on residential curbside recycling programs etc.). A Solid Waste Management Plan is very concrete in nature and doesn't easily allow for deviation. A strategy, on the other hand, is very flexible and open for adaptation and change when needed. It is a framework for making decisions about how you will play the game of your business. The details on how we will affect the established strategies will be contained in our local plan(s) and will flow from the strategy developed.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
The purpose of the City of Denton's Comprehensive Solid Waste Management Strategy is to monitor, evaluate, and recommend local, state, and federal solid waste and recycling characteristics, laws, paradigms, and best practices related to managing activities and resulting efforts affecting:
• landfill disposal reduction and/or elimination, zero waste philosophies, and waste material diversion,
• the promotion of ingenuity in reuse and recycling opportunities,
• the alignment of federal and state regulations with local solid waste reduction goals,
• the composition of residential and commercial waste streams,
• the creation of a robust construction, building, and operational environments/markets that support solid waste reduction goals (innovation,)
• the reduction of hunger and homelessness in the community, and
• other waste management activities assigned to local government.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
This will be a holistic effort by the City of Denton to comprehensively evaluate waste generation, manage solid waste activities, and strategically address personal, residential, commercial, and corporate waste generation and diversion activities.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

The Solid Waste Strategy is a forward looking document that will be used to help the City strategize, identify, align, and set short- and long-term goals, policies, and actions to manage the generation, diversion, and disposal of solid waste in the City of Denton, and the surrounding area, over the next 25-30 years, improving the quality of life for Denton residents now and in the future.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Denton
GRANT ADMINISTRATOR: Misty Adams, Recycling Outreach Coordinator, City of Denton Solid Waste & Recycling
KEY PARTNERS:
PROJECT TITLE: City of Denton Yard Waste Collection Kraft Bags

REQUESTED SOLID WASTE FUNDS: $35,000 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
In October 2019, the City of Denton initiated a major residential service update to provide subscription based yard waste collection service, providing residents the ability to select a cart or kraft bag collection. This shift eliminated plastic bag collection and focused on reducing emissions due to inefficient collections. During peak seasons of fall and spring, additional diversion capacity can be provided by providing residents with kraft bags to encourage participation in the program. Custom outreach messaging is proposed to be added to the bag to generate awareness of the program and increase diversion. All yard waste collected via the program is diverted from the landfill and used as feedstock to create compost.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
Providing kraft bags with custom messaging, the City of Denton hopes to increase participation in the yard waste subscription program, thus increasing material diversion from the landfill.

- By using paper kraft bags or the yard waste cart, customers can reduce waste generated from using plastic bags;
- Employee risk of injury will decrease, as they will no longer have to encounter sharp objects when cutting open or handling yard waste contained in plastic bags;
- The yard waste cart allows customers to easily store their yard waste prior to pickup and roll it out to the curb;
- Fewer Solid Waste and Recycling trucks will be needed to serve the City, resulting in reduced emissions and carbon footprint, fewer trucks on the road, and reduced operational costs; and
- Customers wanting to compost their pre-vegetative food waste can combine it with their yard waste (pre-vegetative food waste includes spoiled fruits, vegetables, and stale bakery items).

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
By distributing kraft bags to residents as a part of a targeted outreach campaign, we intend to increase awareness of the yard waste subscription program, increase material diversion from the landfill, and ensure program sustainability through participation.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

Providing kraft bags with programmatic messaging will encourage participation in City of Denton yard waste subscription services, created to better fit customer needs, improve service equity, and increase routing and collection efficiency.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Duncanville Solid Waste Disposal Division
GRANT ADMINISTRATOR: David Dunn
KEY PARTNERS: Dallas County and Republic Services

PROJECT TITLE: Too Toxic to Trash

REQUESTED SOLID WASTE FUNDS: $35,232.00.00 **PROJECT CATEGORY: Household Hazardous Waste Disposal**

PROJECT SUMMARY: The Too Toxic to Trash Program encourages all Duncanville residents to participate in increasing recycling participation with household hazardous waste, reducing contamination in the community and education of products that are toxic to the environment and humans, and the opportunity to dispose of properly.

PROJECT IMPACT: According to the Environmental Protection Agency, the average U.S. household produces more than 20 pounds of hazardous waste per year. HHW Collection events provide residents an opportunity to responsibly dispose of hazardous chemicals, thus keeping toxic household chemicals out of landfills and groundwater.

PROJECT GOALS: Review current HHW, trash and recycling program messages to reduce confusion by residents on the appropriate items to bring to various events. Review current solid waste ordinance. Create instructive flyers of proper disposal of household hazardous waste in pictorial format and in Spanish. Provide two HHW events with promotional items and educational sessions.

KEY TAKEAWAY: By ensuring the safe handling of household hazardous materials, increased recycling, and with a substantial restructuring of the disposal contracts, the department is saving taxpayers a significant amount of money and at the same time making great strides towards a cleaner community.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Euless
GRANT ADMINISTRATOR: Suzanne Hendrickson, Emergency Management Coordinator
KEY PARTNERS: cities of Bedford, Colleyville, Grapevine and Hurst

PROJECT TITLE: Multi-City Disaster Debris Preparedness Program

REQUESTED SOLID WASTE FUNDS: $125,000 **PROJECT CATEGORY: Local Solid Waste Management Plans**

PROJECT SUMMARY:
The cities of Bedford, Colleyville, Euless, Grapevine, and Hurst understand that we are susceptible to natural, man-made, and technological hazards that may cause a debris-generating incident in our community. These Northeast Tarrant County cities are seeking funding to develop a Multi-City Disaster Debris Preparedness Program that facilitates quick response and recovery activities, quick return of our community back to normal conditions, reduces the impacts to humans and the environment, ensures effective use of resources, helps minimize costs, and aids in complying with local, state and, federal regulations. This program will define roles, responsibilities, identify debris removal and monitoring resources, develop public information strategies, and identify capability gaps for improvement.

PROJECT IMPACT:
A comprehensive disaster debris preparedness program will ensure areas of northeast Tarrant County can plan for, respond to, and recover from a moderate to large debris-generating incident such as a tornado, severe thunderstorm, airplane crash, ice storm, or flood. The project will result in greater understanding of existing force account and MSW franchise capabilities (personnel and equipment) so that disaster debris can be effectively managed according to existing local and regional processes. Where gaps in capabilities are found, this program will ensure participating cities are provided the necessary plans, training, and exercises to reduce or remove the identified gap. Additionally, this program seeks to ensure that participating cities can utilize the most appropriate debris management strategy for the incident type and/or debris type (environmentally-friendly, cost effective, revenue-generating, landfill diversion). Methods of reuse, recycling, composting, or other volume reducing processes will be documented so that participating cities can implement the most prudent strategy during a response.

PROJECT GOALS:
To develop a Disaster Debris Management Plan, To select and define debris monitoring sites, To conduct a tabletop exercise.
To develop an after-action report / improvement plan to identify capability gaps and ensure the program constantly improves.

KEY TAKEAWAY: This project will provide the means to effectively plan for, respond to, and recover from moderate to large debris generating incidents that impact one or more of our cities.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Fort Worth Code Compliance and Solid Waste Division
GRANT ADMINISTRATOR: Randy Acosta
KEY PARTNERS: City of Fort Worth

PROJECT TITLE: Special Events Collection Program Expansion

REQUESTED SOLID WASTE FUNDS: 39,900 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***

The Solid Waste Division is seeking the acquisition of two (2) back-tipping collection trailers (one 25yd and one 8yd) and enough equipment to replenish current program inventory. The trailers together with loaner bins and plastic bags will be stored at the City Service Center. Recycling bins and plastic bags will be delivered to and driven from event location by city staff making use of the trailers. Once the program expansion is in place, the city will test the viability and effectiveness of having city staff drive the collected recyclable material to, weigh and dump them at the Republic MRF. It is the intention of this grant application to increase the city's Special Events Collection recycling infrastructure in such a way as to allow the possible coverage of two events simultaneously, and to add more flexibility to the program.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***

The project will promote increased diversion of materials away from the city's Landfill which serves 900,000 residents; proactive prevention of litter; expansion of the city's recycling infrastructure

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***

Purchase two (2) recycling trailers
Assist the event industry diversion efforts
Assist small event promoters with the typically expensive hauling of the recyclable materials to a recycling facility
Increase awareness of recycling through the many events held throughout the year

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
The proposed Special Events Collection program expansion has the potential of doubling the annual special collections results – be it the number of events covered and/or be it the total poundage of recyclable materials collected.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Fort Worth, Code Compliance Department, Solid Waste Division
GRANT ADMINISTRATOR: Randy Acosta
KEY PARTNERS:

PROJECT TITLE: Yard Trimmings Contamination Reduction Program

REQUESTED SOLID WASTE FUNDS: $66,750 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***

This project will conserve airspace at the Southeast landfill in Fort Worth that currently serves over 815,000 residents. The project will result in increased tons of high quality mulch available for free to residents of Fort Worth to use in landscaping – this will in turn help reduce the use of water in residential landscaping. This project will also advance the goals of the City of Fort Worth Comprehensive Solid Waste plan by increasing diversion

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
Our program goals are to extend the life of the landfill by turning 100% of City of Fort Worth residential yard trimmings into mulch, educate residents & yard companies, reduce the amount of contamination coming into the Living Earth facility, and improve the quality of the mulch products the City offers to residents.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.*** Residents who are educated during this program will become better stewards of their local resources and help improve the quality of life in Fort Worth.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Frisco Environmental Services
GRANT ADMINISTRATOR: Environmental Services Manager – Jeremy Starritt
KEY PARTNERS: NCTCOG, Pratt Recycling, residents, multifamily residential, small commercial generators, unincorporated Frisco

PROJECT TITLE: Enhancing Source Separated Cardboard Recycling

REQUESTED SOLID WASTE FUNDS: $87,533 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
City of Frisco proposes using the funding to purchase a larger baler for cardboard and a conveyer. Environmental Services has an existing bailer and drop-off program but it's a hand-fed, vertical machine that requires too much worktime for the observed drop-off volume. In order to keep up with and enhance the center's ability to recycle cardboard, we need to process the cardboard more efficiently. The proposed new baler would be 8x greater throughput.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
The City of Frisco, unincorporated, multi-family units, small commercial generators, are all able to use the public drop-off. Based on other drop-off locations this would be most used by City of Frisco, Little Elm, Prosper, Hackberry, Celina, Aubrey, Melissa and some of northeast The Colony and west McKinney. As this is augmenting an existing program, the feedstock from drop-off is already existing at the current rate of about 19.7 tons per month would be done with greater efficiency. More than that quantity of cardboard is dropped off at the Environmental Collection Center but is not captured by the current cardboard program due to the time constraints of staff and goes to the single-stream Waste Connections MRF.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***

The City of Frisco aims to continue to increase the amount of cardboard recycled.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

By improving the efficiency and ease of access to cardboard recycling, City of Frisco aims to manage materials more sustainably.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Garland, Texas
GRANT ADMINISTRATOR: Tiana Lightfoot Svendsen
KEY PARTNERS: Selected Consultant

PROJECT TITLE: City of Garland Recycling and Waste Minimization Technical Study

REQUESTED SOLID WASTE FUNDS: $70,000

PROJECT CATEGORY: Technical Studies

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Garland will work with a consultant and key stakeholders to create a recycling and waste minimization technical study. The study will focus on approaches which maximize recycling, reduce recycling contamination, minimize waste, improve operational efficiency, and associated actions to ensure the financial viability of the recycling program as MRF processing fees continue to rise. An important aspect of this study will be establishing recycling and waste diversion benchmarks as none currently exist.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
Improving recycling and reducing waste for the nearly 245,000 Garland Residents will benefit the City as well as the C.M. Hinton Jr. Regional Landfill. Per 1.2 of the RSWP: Supporting alternative options to disposing of waste in landfills is an important step in reaching long-term solid waste management goals. Through moving up the waste management hierarchy Garland will be able to better protect public health and the longevity of the landfill. Per 5.6.4 in the RSWP: Improving the recycling rate is an important goal of the Regional Plan. Garland needs recycling and waste reduction goals and strategies to obtain those goals. Targeted outreach and any other findings and best practices will be shared with NCTCOG RCC to further benefit regional recycling efforts.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
Establish waste diversion and recycling participation benchmarks and strategies | Recycling contamination reduction strategies | Financial look and feasibility of recycling program | Recycling and diversion opportunities | Assessment of recycling fees, # of routes, cost if collection days are switched | Potential for increasing commercial recycling customers

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
The recycling technical study will establish approaches which maximize recycling, reduce recycling contamination, minimize waste, and improve operational efficiency in Garland, Texas.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Heath, Texas
GRANT ADMINISTRATOR: Chuck Todd
KEY PARTNERS: N/A

PROJECT TITLE: City of Heath Household Hazardous Waste Collection Program- Public Education Program and Tote Purchase

REQUESTED SOLID WASTE FUNDS: $19,254.00 **PROJECT CATEGORY: Household Hazardous Waste**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Heath is starting a new weekly household hazardous waste collection (at porch) program in January 2020. We are wanting to send out flyers two times this year and place information in public locations to educate the public on the new program.
The City also wants to address households that have gated access or long driveways that could possibly not allow participation in our program, by having totes available to place at the curb.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
The project by educating and providing additional resources for the City's new program, will reduce the improper disposal of hazardous material within the city and the surrounding counties.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
The goals are to make all households within the City of Heath aware of our new weekly household hazardous waste program and be able to utilize the program, which will provide an easy, environmentally friendly solution to disposing of hazardous materials found around the house.
The project will include:
Placing flyers at various locations around town;
Mailing flyers to households within the City two times this year; and
Providing an option (totes) for homes, that do not have ready access to the front porch, be able to have curb side pick-up.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
With the educational program we anticipate getting the word out about our new weekly front porch household hazardous waste collection and providing totes to the homeowners that don't have access to their porches, will insure they have an opportunity to utilize our new program.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: Hood County
GRANT ADMINISTRATOR: Jeannie Stacks
KEY PARTNERS: Metal Max, Smurfit Kappa, Waste Connections

PROJECT TITLE: Hood County Recycling Improvement Project

REQUESTED SOLID WASTE FUNDS: $58,070 **PROJECT CATEGORY: Source Reduction & Recycling Project**

PROJECT SUMMARY:
Currently, the Hood County citizen's collection station accepts commingled recyclables that are compacted and hauled to a MRF in the DFW area. Cardboard is extracted and baled, however we do not have covered storage so they are subject to the elements. This project would allow Hood County to build a storage building for the cardboard bales and additional equipment and materials. A forklift is also requested to assist staff with moving the bales around the yard, as well as allow staff to load trucks when the material is ready to go to market. We've also been working with our local metal recycler to recycle more metal from the site. Through this project Hood County will start extracting and collecting more cans and use the requested can densifier to store then ship the densified cans to market. This will allow the county to receive additional revenue from these materials and more commodities that will not be shipped in the compactor. This is costly for the county and both the cardboard and aluminum cans are valuable commodities.

PROJECT IMPACT:
This project will have beneficial impacts and helps advance the goals of the NTCOG regional plan. The citizen's collection station is utilized by citizens that would not have access to recycling otherwise, within the county. It is important to Hood County to provide and expand this service, however the proposed project will have a beneficial impact on costs related to operations. Expanding the program also gives Hood County the opportunity to promote the expansion and hopefully educate citizens on what is accepted and solid waste diversion options. This is the first step in making the operations more efficient, less costly and increase future possibilities- ie more items accepted, HHW, textiles etc.

PROJECT GOALS:
Expanding this program could lead to additional SMM options in the future and gives the county an opportunity to reeducate the public on what this station provides and encourage use of the station as an alternative to illegal dumping of materials, a major issue for the county.

KEY TAKEAWAY:
This project has both economic and environmental benefits and impact to Hood County's solid waste management program.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Irving
GRANT ADMINISTRATOR: Sarah Perkins
KEY PARTNERS:

PROJECT TITLE: City of Irving Solid Waste & Recycle Education Project

REQUESTED SOLID WASTE FUNDS: $15,500.00 **PROJECT CATEGORY: Source Reduction and Recycling, Educational and Training Projects**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***

The City of Irving is looking to enhance its solid waste education outreach efforts in order to increase residential recycling and reduce contamination. Currently, the City uses basic methods to education residents such as; website, social media, and newsletters. The residential recycling rate in Irving is lower when compared to Cities in the DFW Metroplex. The Solid Waste Services Department's belief is that residents do not understand what is recyclable and what is not. Thus, the City of Irving is seeking to obtain funding to use towards the purchase of the application Recycle Coach. This application will allow Highlights of the Recycle Coach program are as follows; personalized collection calendar for residents, communications tools for instant notification to residents for disruptions to services, and education campaigns.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***

The City of Irving will benefit from the proposed project through a reduction in contamination of recycling and increase in residential recycling throughout the City. Higher recycling rates are essential to minimize waste disposal costs, minimize environmental and climate impacts, reduce pollution and reduce energy consumption this will improve the health of the City and residents. With increased education efforts, residents will have the knowledge of proper disposal ways. This advances the goals of the Planning for Sustainable Materials Management in North Central Texas. Much like the City of Lancaster and City of Richardson both being pervious grant recipients have shared valuable tips regarding their recycling program and educational techniques. The City of Irving is wanting to do the exact same thing to encourage other Cities in the region to assist.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: Kaufman County
GRANT ADMINISTRATOR: Pam Corder
KEY PARTNERS: City of Kaufman and Black Jack Disposal

PROJECT TITLE: Kaufman County Source Reduction and Recycling Project

REQUESTED SOLID WASTE FUNDS: $165,230.00 **PROJECT CATEGORY: Source Reduction and Recycling Project**

PROJECT SUMMARY: Kaufman County wants to increase the participation in recycling at our convenience stations, by creating and improving our recycling options, we will add very clear signage and the proper equipment that will help us become more efficient in our daily management while also allowing us to collect uncontaminated materials. Our goal is to increase the amount of recycling traffic our convenience stations will see daily, we will also work to educate the public about special recycling events and the proper way to recycle by running ads in the local paper.

PROJECT IMPACT: This project will preserve air space in the surrounding landfills and create a opportunity for the residents of Kaufman County to dispose of their recycling material near their homes which will increase the amount of recyclables being collected as well as decrease illegal dumping within the county.

PROJECT GOALS: To increase the amount of uncontaminated product we are collecting and to be more efficient in our day to day process, clean and dry material is very important when marketing materials and overall recyclability.

KEY TAKEAWAY: With this project we hope that our residents will see that Kaufman County is serious about offering more effective recycling options and be encouraged to bring their recycling to any of our 4 locations, by adding the easy to read signage we hope to make them more comfortable about the process and the upgraded equipment will help us increase productivity.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: Lewisville ISD Child Nutrition
GRANT ADMINISTRATOR: Abby Read
KEY PARTNERS: Ray Danilowicz of Aramark, Jeremy Turner of Lewisville ISD

PROJECT TITLE: Lewisville ISD Styrofoam Recycling Project

REQUESTED SOLID WASTE FUNDS: $89,220 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
LISD Child Nutrition is requesting funding for 4 StyroGenie machines from Food Sustainability Solutions to implement at 4 high volume schools to reduce on-site Styrofoam waste and increase recycling efforts in the district. With the implementation of these 4 Styrofoam compressor machines, we are planning to spearhead sustainability education efforts with quick fact Styrofoam recycling signage placed at each Tap & Stack SmartCart where students place their trays after each meal period. We will partner with school administration to coordinate tours and other learning opportunities for students that will allow them to see how the StyroGenie functions, as well as further their engagement and interest in recycling efforts.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
The 3 high schools and 1 middle school that will receive the StyroGenie machines serve a combined total of 4,701 meals per day, which are all served on Styrofoam trays. By implementing StyroGenies at these locations, we will be able to reduce our waste impact on local landfills with 100% foam waste recycled and 100% landfill diversion. StyroGenies compact Styrofoam trays into briquettes, which are picked up twice per year by Food Sustainability Solutions. The briquettes are treated with a lemon extract solvent that dissolves most of the foam, leaving small polystyrene pellets that are resold to be manufactured into other products. Additionally, with the use of single-use Styrofoam trays we are conserving energy and natural resources by using no water for washing. Recycling the Styrofoam also reduces CO2 emissions because of reduced waste hauling, as well as reduction in trash bag usage. The sustainability education offered in conjunction with the acquisition of the StyroGenie machines will allow us to foster student learning and environmental impact awareness. In 2017, we piloted a StyroGenie at Griffin Middle School and have successfully diverted 6,000lbs of Styrofoam (approximately 360,000 trays) from the landfill from this one location in the past 2 years. Looking forward, we would like to expand StyroGenie implementation to as many of the 65 school locations within LISD as possible.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
1. Reduce our landfill impact by recycling and diverting 100% of foam waste from the landfill at these 4 locations
2. Expand our sustainability education efforts to foster student learning and engagement in environmental awareness

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
With the purchase of 4 StyroGenie machines, we plan to expand our recycling and sustainability efforts to reduce our environmental impact in the Dallas/Fort Worth area, as well as foster student learning, awareness and engagement in sustainability practices.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Lewisville
GRANT ADMINISTRATOR: Tim Yatko
KEY PARTNERS:

PROJECT TITLE: Solar Powered Illegal Dumping Cameras

REQUESTED SOLID WASTE FUNDS: $22,950 **PROJECT CATEGORY: Enforcement**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***

Grant funding would be used to purchase solar powered cameras to better monitor several "hot spot" sites and enforce the illegal dumping ordinance. We would also design and purchase water bill mailers to educate residents about the problem of illegal dumping and residential access to the DFW Landfill for disposal of solid waste. Past efforts have involved the use of game cameras to catch illegal dumping, but did not result in prosecutions, and illegal dumping continues. The cameras we intend to purchase capture video and have ability to read license plates of moving vehicles. Their mobility and the solar power supply will allow us to move cameras around the City if traditional hot spots change – providing more flexibility than a permanent installation.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***

Illegal dumping is an issue for Lewisville that has an impact on the cleanliness and environmental health of the City. By purchasing and using these cameras for surveillance we hope to reduce the amount of illegal dumping that is occurring by prosecuting illegal dumpers and deterring others from illegally dumping at several hot spots around the City.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
Record and prosecute illegal dumpers in the City of Lewisville
Raise awareness about disposal options so that people choose the responsible way of discarding unwanted trash

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

Monitor illegal dumping hot spots and capture illegal dumpers for prosecution.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Mansfield
GRANT ADMINISTRATOR: Howard Redfearn
KEY PARTNERS:

PROJECT TITLE: HHW Hauling Trailer

REQUESTED SOLID WASTE FUNDS: $15,000 **PROJECT CATEGORY: HHW**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The purpose of this project is to purchase a trailer to be used to hauled bulked HHW to local processors. The existing trailer has become completely consumed with collecting and hauling tires and is no longer available for HHW materials.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***

This project will mainly impact Mansfield, but providing for greater hauling capacity will reduce the number of hauling trips needed, having a positive impact on region traffic, and reducing emissions.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
Purchase a trailer and removable, side stake panels.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***

Greater ability to haul bulked HHW materials to local processors.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Mesquite
GRANT ADMINISTRATOR: Kathy Fonville

PROJECT TITLE: Expansion of City of Mesquite Compost Facility

REQUESTED SOLID WASTE FUNDS: $148,289 **PROJECT CATEGORY:** Source Reduction and Recycling

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Mesquite is requesting grant funds to purchase a trommel screen to increase the annual volume of compost produced at the City Compost Facility. The request for grant funding will enable the City to expand the volume of compost created, and distributed to residents, by being able to screen year round. The City currently rents a trommel screen during a four-month period at a cost of $8,000 per month or $32,000 annually. Due to rainy days or other weather related stoppages, it is difficult to adequately screen the appropriate volume of compost and mulch that could be provided, at no charge, to our residents. Also, the ability to process more material on an annual basis will provide an additional source of revenue to operate the Compost Facility by selling the additional mulch and compost to local landscaping companies. The estimated cost associated with this equipment purchase is $296,579. The City is requesting grant funds in the amount of $148,289 and will fund the remaining balance of $148,290 as a 50-50 match.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
This project will advance the goals and objectives of the regional plan by expanding the diversion of green waste materials from area landfills. Not only will the diversion of brush and yard waste benefit the 143,000 plus taxpayers in Mesquite, but will benefit the region by demonstrating the value of green waste recycling from both an environmental and economic aspect.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
The overall goals of the proposed project will be to:
- *Increase the volume of compost and mulch distributed to Mesquite residents*
- *Reduce mulch stockpiles by screening/producing more compost annually*
- *Produce a cost savings of $32,000 annually to the SW budget*

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
The purchase of a trommel screen will increase the operational ability of the Mesquite Compost Facility to provide more free compost to our residents and will support the regional goal of diverting green waste from area landfills.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Plano
GRANT ADMINISTRATOR: Sustainability & Environmental Education Division/Environmental Health & Sustainability Dept.
PROJECT TITLE: Reducing Recycling Contamination – Education at the Cart Pilot Study supported by Mobile Recycling Education Vehicle

REQUESTED SOLID WASTE FUNDS: $199,996 **PROJECT CATEGORY:** Educational and Training Projects

PROJECT SUMMARY:

The City of Plano's (COP) goal is to reduce contamination levels in its recycling stream from the current 25% to 15%. Standard outreach tools such as website, social media, direct mail and electronic newsletters, utility bill inserts, tabling events and in-person presentations to educate residents have not proven successful in significantly reducing contamination levels. To enhance existing efforts, the COP seeks funds for 3 pilot programs focused on *Education-at-the Cart* in combination with a mobile recycling education van (MREV). We know our residents are confused about what to recycle and which cart is the recycling cart. To address these challenges, 3 distinct pilots will test and compare effectiveness of specific educational approaches and will guide the COP in making decisions about future expenditures for recycling education based on measurable results. The pilots include: 1) stickers affixed to carts detailing acceptable and non-acceptable items for recycling; 2) brightly colored cart lids with non-acceptable items identified; 3) *Peek & Check* method in which staff take a quick observation look in cart for contaminants and leave behind a two-sided "Thank you for Recycling" tag. One side of the tag provides information on recycling correctly, while the second side provides contamination reduction tips for the resident. Multiple versions of the tag will be produced, as the second side will provide a customized message directed at the contaminant observed in the cart. The MREV will be used as a portable classroom to expand outreach efforts around contamination reduction and recycling participation. The MREV will be customized with portable recycling education displays, large screen TV and other interactive features used to engage audiences at a variety of event locations and workshops, bringing much more exposure to the recycling message community-wide.

PROJECT IMPACT: The proposed project targets neighborhoods pre-identified with higher contamination rates. The project advances the regional goal and objectives around use of outreach and education to facilitate long-term increases in source reduction and recycling; and educating the public about proper waste management opportunities. The project also supports the regional goal around measurement and evaluation techniques that establish baselines and effectively track waste reduction. The photo mapping technique being used in one pilot is an innovative technology to help reduce and manage tracking of contamination levels and behavior change at the individual residence level. Outcomes of this project are transferrable to the region and serve as good demonstration models.

PROJECT GOALS: The City of Plano's goals are to: 1) Reduce contamination levels in its recycling stream from the current 25% to 15%. 2) Pilot test and determine which is the most effective "Education-at-the-Cart" approach to reducing contamination; 3) Provide increased exposure and reinforcement community-wide to the *Know What to Throw* message through the use of a Mobile Recycling Education Vehicle.

KEY TAKEAWAY: Future decisions made by the COP concerning where to allocate resources based on the most effective behavior change approach in reducing recycling contamination rates will be based on outcomes of this project.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Princeton
GRANT ADMINISTRATOR: Michelle Day
KEY PARTNERS:

PROJECT TITLE: Litter Reduction and Education Project

REQUESTED SOLID WASTE FUNDS: $18,192.40 **PROJECT CATEGORY: Litter and Illegal Dumping Cleanups and Community Cleanups**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Princeton is seeking to enhance its litter reduction and education outreach efforts in order to decrease illegal dumpling and encourage the community to participate in clean ups within city limits. The City of Princeton is seeking to obtain funding for Sidewalk Buttlers, curb markers, signs pertaining to illegal dumping and littering, a trailer, cleanup supplies, and educational materials. We will hold two organized community cleanups a year along with the option to sign up for a cleanup at any other time.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
The City would like to increase the rate of engagement and areas cleaned in 2020. We anticipate reducing illegal dumping and littering cases by educating the public on how long common types of litter take to break down, the long term effects of littering and dumping, and where litter ends up. By educating the public about these topics, the city, residents, and outlying towns will benefit. The city will be cleaner, attract more development, more residents will want to become engaged, and reduce staff time and cost towards cleaning up trash. This project will allow us to effectively engage residents and show the importance of a beautiful and clean city while improving the quality of life in Princeton.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
- Install fifteen Sidewalk Buttlers at government buildings and local common areas
- Install forty “Illegal Dumping” and “No littering” Signs in parks, creeks, ditches, and other commonly affected areas.
- Increase community engagement in cleanups and awareness of the negative affects of littering and educate on proper disposal of common litter
- Decrease volume of litter throughout the City

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
Having a cleaner City may lead to more community engagement and responsibility, while gaining an appreciation for the environment.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Richardson, Public Services Department, Solid Waste Division
GRANT ADMINISTRATOR: Travis Switzer
KEY PARTNERS:

PROJECT TITLE: Community Recycling Drop-off Location

REQUESTED SOLID WASTE FUNDS: $197,000 **PROJECT CATEGORY: Source Reduction and Recycling**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***

The Public Services, Solid Waste Division is seeking to construct a second recycling drop-off location on the east side of the city. The second recycling drop-off location will be equipped with covered 30yd.or 40yd. roll-off containers in which users may drop-off their recyclables. The second drop-off location will accept the same materials as the city's existing drop-off location and residential recycling program.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***

The construction of a second recycling drop-off location will encourage residents to recycle more as there will be an additional drop-off location saving residents from traveling as far to drop-off recyclable items. The project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas by increasing the amount of recyclable material and reducing the amount of material entering the landfill.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
- **Construct a second recycling drop-off location to increase the level of convenience for recycling.**
- **Increase the amount of material being recycled and decrease the amount of material entering the landfill.**
- **Provide additional recycling options for residents.**

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
Providing residents with a more convenient recycling drop-off facility will increase awareness and translate into increased recycled material.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Rowlett
GRANT ADMINISTRATOR: Ed Balderas
KEY PARTNERS: Keep Rowlett Beautiful

PROJECT TITLE: Solid Waste and Recycling Education Vehicle

REQUESTED SOLID WASTE FUNDS: $48,172.00 **PROJECT CATEGORY: Education and Training**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Rowlett, in partnership with Keep Rowlett Beautiful (KRB), is seeking to enhance its solid waste materials management education efforts through the purchase of a grant-funded Reduce-Reuse-Recycle Education Vehicle (RRREV). The vehicle will increase the City's in-person outreach efforts to better educate the public on source reduction, illegal dumping prevention, and proper management of household hazardous waste. The vehicle will serve as a storage unit for existing public education material, be outfitted with an external educational display TV for event attendees, and be capable of towing a proposed Community Cleanup Trailer and the City's small G3 1860 lakeshore cleanup boat. The RRREV will be used for public education and outreach at City-sponsored special events, City/KRB-sponsored cleanup events, KRB visits to schools, and other community events.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
This project will enhance solid waste materials management education in Rowlett and in other parts of the region where the vehicle is deployed. Through these enhanced efforts, the City expects that the City's recycling rate will increase by 9.25% to 25% within two years of implementation. This will divert over 5,900 tons of materials from the landfill. Additionally, this project is expected to reduce illegal dumping and improper management of household hazardous waste by residents. This will directly benefit the City and downstream and adjacent communities (e.g., the cities of Garland and Dallas).

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
The funding and implementation of this project is intended to help support materials management education to increase the City of Rowlett's recycling rate, reduce illegal dumping, and increase proper management of household hazardous waste.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
This project is expected to increase the City's yearly in-person solid waste and recycling education outreach by 375% within one year of implementation.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Rowlett
GRANT ADMINISTRATOR: Ed Balderas
KEY PARTNERS: Keep Rowlett Beautiful

PROJECT TITLE: Community Cleanup Trailer

REQUESTED SOLID WASTE FUNDS: $16,553.50

PROJECT CATEGORY: Litter and Illegal Dumping Cleanups and Community Cleanup Events

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of Rowlett is seeking to enhance collaborative community partnerships for the reduction of litter and illegal dumping within city limits. This will be accomplished through the purchase of a grant-funded community cleanup trailer and equipment. The trailer will contain the equipment necessary to fully support City-sponsored and community-initiated cleanup events. For City-sponsored events, the trailer will significantly reduce required event resources and create the capacity to increase the number of yearly events. For community-initiated cleanup events, the trailer will allow a business, non-profit, homeowner association, or other community group to be able to hold new or enhance existing cleanup events.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
It is anticipated that the trailer will be requested between 12 and 24 times within the first year. Through the successful implementation of the trailer, the City anticipates that the long-term request rate will be closer to 24 times per year, with a yearly request from each of its 13 Garland/Rockwall ISD schools. Based on an average 20.85 pounds of litter picked up by a volunteer, an anticipated trailer use of 24 times per year, and an anticipated average of 30 volunteer per use; the trailer is expected to increase yearly litter and illegal dumping collection by 15,012lbs, or a 65.44% increase over 2018 figures. This significant increase in litter and illegally-dumped materials will not only benefit the City's 63,000 residents and its visitors, but also the boundaries of downstream and adjacent communities (e.g., the cities of Garland and Dallas)

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
This project will enhance the City's public-private partnerships with community groups for litter and illegal dumping cleanups. The City will be able to empower and equip community groups with the tools necessary to begin or enhance existing community cleanup efforts. The City will also be able to better coordinate and focus these efforts in a more strategic method.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
This project is expected to increase the City's litter and illegal dumping cleanup capacity by over sixty-five percent.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Southlake
GRANT ADMINISTRATOR: Amanda Meneses, Emergency Manager
KEY PARTNERS:

PROJECT TITLE: Disaster Debris Management Plan

REQUESTED SOLID WASTE FUNDS: $49,528.00 **PROJECT CATEGORY: Local Solid Waste Management Plans**

PROJECT SUMMARY: The City of Southlake understands that we are susceptible to natural, man-made and technological hazards that may cause a debris generating incident in our community and the importance of being prepared. The City of Southlake is seeking funding to develop a disaster debris plan that facilitates quick response and recovery activities, a quick return of our community resources, minimization of costs, lessens the impact on both humans and the environment, and aids in complying with applicable local, state and federal regulations. Disaster debris can complicate and delay disaster response activities such as emergency medical services, transportation of victims and support teams, fire fighting, police, and provision of shelter, food, and water to disaster survivors. Disaster debris, if not properly planned for, can complicate and delay the recovery of our community. In many disasters, the amount of debris generated can be equivalent to years, if not decades, of normal solid waste production in the affected area. Local landfills may reach capacity and be overwhelmed, roads have the possibility of being damaged by debris hauling and the debris alone, poses a public health and safety threat. A Disaster Debris Management Plan will provide roles and responsibilities, identify removal and monitoring resources, as well as debris sites and other available resources.

PROJECT IMPACT: The Disaster Debris Plan will allow the City of Southlake to prepare for debris generating incidents that will impact our community. During a debris generating incident, the impacts to life, public health, safety and the environment can be significant. By having a FEMA approved plan, the city would identify available resources such as labor (human resources), equipment and costs associated with a response, documentation required to capture debris from beginning to final disposition at the landfill, and identify mutual aid agreements to include North Central Texas Public Works Emergency Response Team (PWERT) that could be requested to assist with the debris removal for the first 70 hours. We would also be able to initiate pre-identified contracts for debris removal and monitoring firms, identify eligible and ineligible debris removal, identify how we can provide debris removal for vegetative , construction and demolition debris, chemical/biological/radiological/nuclear/explosive waste, garbage (non-storm related), final disposition debris planning, and create scenarios in areas within the city, utilizing forecasting methods to identify volume of debris that can be expected within specific city areas.

PROJECT GOALS: A debris management plan is a written document that establishes procedures and guidelines for managing disaster debris in a coordinated, environmentally-responsible, and cost-effective manner.

KEY TAKEAWAY: A Disaster Debris Management Plan will assist in restoring essential services within our city, help ensure the safety of residents, and facilitate a more comprehensive reimbursement effort for federal funding sources.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Stephenville
GRANT ADMINISTRATOR: Nick Williams
KEY PARTNERS: Biggs and Mathews, Inc.

PROJECT TITLE: Alternatives for Type IV disposal capacity for the City of Stephenville and surrounding area.

REQUESTED SOLID WASTE FUNDS: $200,000 **PROJECT CATEGORY: 7 – Technical Study**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The proposed Technical Study will evaluate the following options for future Type IV waste disposal for the City of Stephenville and the surrounding area:

- Evaluation of expansion of the currently permitted Type IV facility;
- Evaluation of permitting and constructing a new facility in the Greater Stephenville area;
- Evaluation of permitting and constructing a transfer station in the Greater Stephenville area.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
The City of Stephenville and surrounding area is experiencing growth and development while the capacity of permitted waste disposal facilities in the area is rapidly diminishing. A Technical Study to evaluate and identify the best option for future disposal capacity will provide necessary information to the City of Stephenville and the surrounding area to continue to support community development and to reduce illegal dumping activity in the rural areas surrounding the City of Stephenville. Identifying the best option for future disposal capacity will provide efficient and environmentally responsible options for waste disposal and potential recycling/reuse facilities in support of the Regional Plan through the Creation and Expansion of Waste Management Programs. This study and development of additional resources will provide positive waste disposal and recycling options that will have a positive impact on the entire region.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
The goal of the proposed Technical Study is to evaluate and determine the most efficient and environmentally responsible option for providing long term disposal capacity for the City of Stephenville and the surrounding area so that current and future development in the City and the surrounding area can be sustained.

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
The expected benefit of the proposed Technical Study is to provide data leading to the development of efficient and environmentally responsible disposal and recycling options for the City of Stephenville and the surrounding area.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of Fort Worth Solid Waste Services
GRANT ADMINISTRATOR:
KEY PARTNERS:

PROJECT TITLE: EIU Camera Grant

REQUESTED SOLID WASTE FUNDS: **PROJECT CATEGORY: Illegal Dumping Enforcement**

PROJECT SUMMARY:
The EIU/Solid Waste Services Division is seeking to install 20 PTZ (Point, Tilt, Zoom) cameras, 40 LPR (License Plate Reader) cameras and 15 Stealth cameras by grant funding throughout the city of Fort Worth. These cameras will enhance the EIU team's ability to monitor known illegal dumping locations within the city limits of Fort Worth. The cameras enhance our ability to investigate, prosecute and educate citizens on the cost involved with cleanups along with the health hazards which accompany illegal dumping.

PROJECT IMPACT:
The impact of implementing this type of project has seen substantial results in recent years. We can say with confidence that a this camera project will reduce dumping in the areas of deployment by approximately ninety percent (90%). Due to positive results from citizen feedback and reduction in dumping frequency from previous projects, the growth of this project will continue to see further results and improvement when implemented on a larger scale. With more cameras installed, the City of Fort Worth will see a reduction in the costs of cleanups by city staff and personnel which will ultimately save taxpayer money for more necessary spending.

PROJECT GOALS:
Being granted funding, the City of Fort Worth's Solid Waste Environmental Investigation Unit seeks to accomplish the following goals:
- Install cameras in known illegal dumping locations.
- Increase felony and misdemeanor cases for the EIU team, ultimately leading to reduction in illegal dumping through enforcement.
- Increase the awareness of the health hazards and educate citizens on the costs incurred from cleaning up illegal dumping locations.
- Save taxpayer funding for more necessary spending which is currently being used for illegal dumping abatements.

KEY TAKEAWAY:
To increase EIU's ability to monitor, prosecute and reduce the amount of illegal dumping activity occurring within the City of Fort Worth along with the frequency in which it occurs, while educating it's citizens of the blight and the costs incurred from illegal dumping and littering.

2020/2021 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: City of White Settlement
GRANT ADMINISTRATOR: Julene Conway
KEY PARTNERS: Rich Tharp, Community Services Director for City of White Settlement

PROJECT TITLE: City of White Settlement Clean Up Events

REQUESTED SOLID WASTE FUNDS: $195,000 **PROJECT CATEGORY: Litter & Illegal Dumping Cleanups & Community Cleanup Events**

PROJECT SUMMARY: ***Please write a paragraph summarizing the implementation activities the project is proposing to conduct.***
The City of White Settlement would like to add four more annual clean up events for its citizens. With increased storm activity in North Texas, we have received many requests from our citizens for help with post-storm clean ups, to include bulk trash as well as brush/limb disposal. We are able, within our current solid waste contract, to obtain roll off dumpsters for bulk trash and brush/limb disposal. However, our current equipment (front end loader & brush chipper) used for these types of events is over 20 years old and is not keeping pace with the needs of the City. Our budget will not allow for this type of expenditure on equipment. With additional events and new equipment, we can provide an often requested service to our citizens and decrease the number of illegal dumping sites. In addition, the mulch from chipping excess brush/limbs can be returned to the citizens free of charge and divert brush/limbs from the landfill. Thus, the City of White Settlement is seeking funding to use toward a new brush chipper and a new backhoe loader to use during clean up events.

PROJECT IMPACT: ***Please write a brief description on how the geographic area of the proposed project will be affected; how the project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas regional plan; demonstrating regional models; transferability; etc.***
The project will preserve space at the Turkey Creek Landfill in Alvarado which serves the residents of the City of White Settlement as well as several surrounding communities. The project will reduce illegal dumping sites in the City of White Settlement and surrounding areas by offering additional opportunities to legally dispose of bulk trash, limbs and brush. The project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas by increasing diversion of brush and limbs from MSW.

PROJECT GOALS: ***Please write a brief description of the goals of the proposed project.***
- *Increase the number of community clean up events annually*
- *Divert the amount of brush and limb storm debris that would be sent to landfills by chipping it and returning to citizens free of charge as mulch*
- *Reduce the number of illegal dumping sites by providing additional legal means of bulk trash disposal*

KEY TAKEAWAY: ***Please write one sentence describing the expected benefits of the proposed project.***
City of White Settlement citizens will be able to legally dispose of brush/limbs and bulk trash throughout the year.