



**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Duncanville **GRANT ADMINISTRATOR:** Tonya Hunter, Regional Emergency Management Operations Coordinator

**KEY PARTNERS:** City of Cedar Hill, Duncanville, Lancaster

**PROJECT TITLE:** Southwest Regional Disaster Debris Management Plan

**REQUESTED SOLID WASTE FUNDS:** \$125,000 for contractor

**PROJECT CATEGORY:** Local Solid Waste Management Plans

**PROJECT SUMMARY:** The Cities of Cedar Hill, DeSoto, Duncanville & Lancaster understand 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.

**PROJECT IMPACT:** During the planning process, identify collection strategies, collection methods, curbside collection or use of collection centers, how the cities will handle household hazardous waste, white goods (removal of Freon), and e-waste (computers, printers, televisions). As part of the plan it to identify owners, sites, locations for Disaster Debris Management Sites and identify Environmental, Historic Preservation concerns for each site to include location of nearby water ways, proximity to schools and neighborhoods to work with TCEQ for required permits to operate a temporary debris storage site, operational planning for how we will utilize debris reduction methods to reduce disaster debris from the normal waste stream such as incineration, grinding or chipping vegetative debris, recycling, and final disposition of the landfill, and identify available landfills for various types of debris. Apart of the planning process, would include creating Health and Safety Strategy, Public Information Strategy that addresses debris generating incidents and messaging on how our residents would segregate disaster debris at the curb to streamline debris pickup by debris removal contractors and separate normal solid (household) waste for our solid waste contractors (Waste Management, Republic, CWD).

**PROJECT GOALS:** The Southwest Regional Disaster Debris Management Plan will be completed in 6 Tasks to include stakeholder meetings, debris management site analysis, debris management plan development, training and exercises.

**KEY TAKEAWAY:** 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.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** Texas Pure Products

**GRANT ADMINISTRATOR:** Ryan Delzell; EWS Manager, City of Plano

**KEY PARTNERS:** North Texas Municipal Water District, Cities of Allen, Frisco, McKinney, Plano, & Richardson

**PROJECT TITLE:** Texas Pure Products Education and Marketing Campaign 2018-19

**REQUESTED SOLID WASTE FUNDS:** \$300,000

**PROJECT CATEGORY:** Regional Collaborative Project

**PROJECT SUMMARY:** The North Texas Municipal Water District's five solid waste member cities of Allen, Frisco, McKinney, Plano, and Richardson partnered beginning in 1993 under the Texas Pure Products brand to reduce the amount of yard waste from entering the waste stream. Not only does this partnership extend the life of our shared landfill, but also avoids costs of disposal for each City. Yard waste generated and collected in each City is processed and redistributed as beneficial products, such as organic compost and mulches, by Texas Pure Products. In FY 2016-17, more than 48,500 tons of yard waste was diverted from the landfill.

**PROJECT IMPACT:** The proposed project will primarily affect the cities of Allen, Frisco, McKinney, Plano, and Richardson. Two regional plan goals are addressed with this grant request.

**1) Support Materials Management Education and Training**

- A large portion of requested funds will focus on the education of over 800,000 residents of the five listed cities. This education will focus on existing yard waste collection programs and other options for recycling clean yard waste. Additionally, commercial landscape and tree service companies will also be educated on the services offered by Texas Pure Products to ensure yard debris is responsibly recycled.

**2) Promote Creation and Expansion of Waste Management Programs**

- A large portion of the 800,000 residents of the five listed cities do not actively participate in their respective City's yard waste collection program that supplies Texas Pure Products with the feedstock needed to create compost and mulches. Additionally, through advertisement, there is an opportunity to attract many more private landscape companies to utilize our drop-off service and "close the loop" by purchasing our products for reuse.

If approved, the five city region will continue to benefit from this funding request well after the two year grant cycle by educating residents of our services meant to preserve landfill space and make the administration of solid waste collection programs less expensive for each City, thus less expensive for residents of those cities.

**PROJECT GOALS:** With grant approval, Texas Pure Products expects to increase both landfill diversion of yard waste and disposal costs to Cities by reaching and educating a significantly larger audience currently unaware of our services.

**KEY TAKEAWAY:** Texas Pure Products hopes to expand on our current program success to increase landfill diversion and reduce costs for the five participating cities and the NTMWD.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Cedar Hill  
**GRANT ADMINISTRATOR:** Duy Vu  
**KEY PARTNERS:** NA

**PROJECT TITLE:** Community Cleanup Vehicle

**REQUESTED SOLID WASTE FUNDS:** \$95,544.81

**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 Cedar Hill requests grant funding to supply a hybrid electric-diesel community cleanup vehicle to assist in the expansion of volunteer cleanup programs, notably increasing the number of free community cleanup events from 2 to 4 per year, and expanding the City's public education outreach efforts year-round with the goal of reducing illegal dumping, increasing recycling participation and promoting community cleanup events. The vehicle will also support Environmental Collection Day events, the City's quarterly household hazardous waste collection event. The vehicle will aid in increasing the capacity of hauling household paint. This proposed project falls within the TCEQ project categories as listed in the NCTCOG Call for Projects, under "Litter and Illegal Dumping Clean-ups and Community 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.*

The project area is within the city limits of Cedar Hill and specifically address the associative objective; **educate the public about proper waste management opportunities and alternatives to reduce illegal dumping.** The issue of illegal dumping, can be an extremely challenging waste management issue and can result in significant costs to our community. By having a community cleanup vehicle, the City of Cedar Hill will be able to more adequately address illegal dumping issues and resolve neighborhood litter and code violations. The City hopes to have the same success with this project that other communities (who received grant monies in previous grant cycles) have had in developing community cleanup programs.

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

The goal of this project is to purchase and supply a cleanup vehicle to support neighborhood cleanup projects and events aimed at reducing litter and beautification issues in the City.

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

Allow neighborhoods to address local issues through community efforts. Address illegal dumping issues through community cleanups. Increased community engagement and individual responsibility.

2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS  
PROJECT SUMMARY SLIDE

**APPLICANT:** City of Lancaster

**GRANT ADMINISTRATOR:** Fabrice Kabona

**KEY PARTNERS:** N/A

**PROJECT TITLE:** Solid Waste & Recycle Education Project

**REQUESTED SOLID WASTE FUNDS:** \$53,685.51

**PROJECT CATEGORY:** Educational and Training  
Projects

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

The City of Lancaster is looking to enhance its solid waste education outreach efforts in order to increase recycling and reduce illegal dumping. Currently, the City uses very basic tools such as website, social media, and newsletters to educate residents. Thus, The City of Lancaster is seeking to obtain funding to use toward an educational video, purchase TVs that will display visual educational material and promote the program at various city facilities, purchase a retrofit recycling van that can be modified to accommodate a large size television to be viewed by event attendees outside of the van. The City will partner with local businesses in the implementation of this project. City events such as the Trash-off held on a quarterly basis and the Christmas Parade will be instrumental in the success of this project.

**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 Lancaster will benefit from the proposed project through a reduction of illegal dumping which will then enhance the overall image of the City and prevent contamination of ground and surface water supplies for Lancaster residents. From an increased participation in the recycling program will result more environment protection and reduction of energy consumption and pollution, which ultimately improves human health. By expanding education efforts, citizens will become aware of sanitation regulations and proper disposal, which advances the goals of the Planning for Sustainable Materials Management in NCT. Just as the City of Richardson, a previous Solid Waste Management grant recipient, has been able to inspire us and share useful tips regarding their recycling program, the City of Lancaster is determined to do the same in order to inspire other communities in the region to do their part.

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

The goal of this project is to reduce or eliminate illegal dumping, increase recycling participation, and make citizens aware of sanitation regulations. This will be accomplished by expanding our education outreach efforts to include an educational video production that will be displayed on social media, on the government access channel, on the city website, as well as on TVs in various City facilities. The video will highlight the benefits of recycling; educate people on the disadvantage of illegal dumping while presenting them with legal alternative options; how to report illegal dumping, and finally teach residents about proper cart placement for trash collection. This project will place an emphasis on the youth by partnering with the school district to educate them on the importance of recycling.

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

As a result of this project there will be a significant increase in participation in our recycling program as well as a significant reduction of illegal dumping; as well less missed trash incidents.

**2018/2019 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Fort Worth, Solid Waste Services

**GRANT ADMINISTRATOR:** Soria Adibi

**KEY PARTNERS:**

**PROJECT TITLE:** Residential Organics (Food Scraps) Drop-Off Site(s) Pilot Program

**REQUESTED SOLID WASTE FUNDS:** \$49,000

**PROJECT CATEGORY:** Source Reduction & Recycling  
and Education and Demonstration

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

This grant will support a subscription pilot program for Fort Worth citizens to drop-off food waste at designated drop-off sites. The \$49,000 requested grant funds will be used to hire an organic hauler to collect and transport materials from the drop off sites to a composting facility. The city will provide \$35,000 matching funds for initial infrastructures, such as carts, bins, compostable bags, cart locks, signage, and education and outreach materials. The initial start-up period will require intense work and the city will contribute approximately \$60,000 in staff time as in-kind match. Residents will pay a nominal monthly subscription fee that will be determined in collaboration with the selected organics hauler to ensure there is buy-in from participants and reduced contamination potential. Sites will be available to subscribers during designated hours and carts will be locked to help prevent contamination or illegal dumping. Participants will be given a kitchen pail, compostable bags, the 4 digit lock combination, and a welcome letter with home set-up tips and FAQs. The pilot will run for twelve months, nine during the grant cycle and three months after the end of the project implementation period.

**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's landfill airspace is a finite commodity, and at the present rate of city growth and waste generation, the estimated lifespan of the city's landfill is only 25-30 years. The comprehensive plan estimated that if each household reduced its weekly food waste generation by just 3 pounds from FY 14-15 levels, a 5% reduction in waste would be realized, which is significant given the city's present circumstances. This grant project will challenge residents to rethink their food purchasing practices and encourage residents to reduce, reuse, and compost. Challenges are to be expected, but as codified in the city's comprehensive solid waste management plan and NCTCOG's call for projects application guidelines, food waste is a priority for both the city and the region, one which will be tackled by this project.

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

In September of 2017, the City Council unanimously adopted a new 2017-2037 Comprehensive Solid Waste Management Plan (CSWMP) that includes a mid- to -long-term implementation action to evaluate residential food waste collection. There is a need for initial grant funding to help jumpstart implementation of the plan and establish a baseline for costs and level of interest before advancing future initiatives. Over the course of the pilot program, the city will gather and analyze data, evaluate the efficiency of our collection routes and refine the location of the drop-off sites. But most important for the city will be establishing whether customers are enthusiastic about this alternative waste recovery effort. Those findings will help guide future city initiatives and possibly a broader curbside organic recycling program.

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

Food waste is not a challenge unique to Fort Worth and is a global problem. This project is a first for the region and will serve as a demonstration project for other cities interested in diverting more organics.

**2018/2019 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Fort Worth, Solid Waste Services  
**GRANT ADMINISTRATOR:** Soria Adibi  
**KEY PARTNERS:**

**PROJECT TITLE:** Styrofoam Recycling Project  
**REQUESTED SOLID WASTE FUNDS:** \$115,000

**PROJECT CATEGORY:** Source Reduction & Recycling

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

This grant project will introduce Styrofoam recycling at the city's four drop-off stations (DOS) and Environmental Collection Center (ECC). Grant funds will be used to purchase (1) polystyrene foam densifier, (4) double axle 14 ft. trailers enclosed with an opening on the side and (4) trailer wraps to advertise the program and educate residents on accepted materials. Three main types of foam: polystyrene, polyethylene, and polypropylene will be processed with a screwdriver hybrid densifier capable of processing 500 lbs. /hour and produces blocks without heat. Residents will drop-off materials in the designated trailer at either of the four DOS or at the ECC. The city will contribute \$43,000 in-kind match for staff to collect and transport the trailers from the DOS to the ECC, densify materials and store the condensed logs, and coordinate material sales and payment. Revenue generated from the sale of densified foam would be used to sustain any program maintenance costs.

**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.*

Styrofoam is the 7th most searched term of all time in the City of Fort Worth Garbage and Recycling app and a majority of the residents that already visit the DOS and ECC would bring foam for recycling if services were offered. Last year there were over 230,000 visits to the DOS and over 5,300 tons of materials were diverted at the DOS in 2017. Furthermore, over 21,000 households from Fort Worth and the 49 participating cities utilized the ECC in 2017 to dispose or recycle HHW. Styrofoam is expected to become more prevalent as e-commerce continues to grow yet recycling infrastructure lags behind other materials. This grant will expand access and convenience to achieve higher Styrofoam recycling rates.

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

DOS and ECC staff met with the City of Frisco, the only city in the region currently recycling Styrofoam, to tour their facility and learn about their operations and equipment. We learned that Frisco sells their processed foam to end markets for \$0.27/lb. for a full truck (24 tons) or \$0.22/lb. for a half-full truck (12 tons). A significant finding of the meeting was that a program in Fort Worth could also benefit Frisco by building the supply of materials available in the region. Given the convenience and success of the drop off stations for other materials, we expect strong participation in the foam recycling program. The city will report on tonnage collected, revenue generated, number of trailer hauls, app search hits, and evaluate data for any trends, such as seasonality.

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

As demonstrated by the addition of HHW collection at the drop-off stations, adoption of a new comprehensive plan and the opening of the Hillshire station all occurring in 2017, Fort Worth is a service-oriented city focused on the timely implementation of the comprehensive plan and improving the convenience and access to materials management programs to all residents and visitors. In addition to diverting waste, this project will generate revenue from selling densified foam, expand existing markets for this commodity in the region, and demonstrate to the public the financial benefits of recycling to the overall Texas economy.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Fort Worth, Solid Waste Services

**GRANT ADMINISTRATOR:** Murray Myers

**KEY PARTNERS:**

**PROJECT TITLE:** Repair Cafe

**REQUESTED SOLID WASTE FUNDS:** \$30,400

**PROJECT CATEGORY:** Educational & Training Projects

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

This grant project will encourage and challenge residents to think differently about their household items by educating them on repair, reuse and a circular economy which will give them pause before recycling or sending materials to the landfill. Community Repair Events (or Repair Cafes) are community supported events that provide free repair services for residents, however, they can also provide technical assistance for do-it-yourself enthusiasts working on an item themselves. Item categories include electronics, bicycles, clothing, home and garden tools, toys, power tools and jewelry. The Solid Waste Services department will be enhancing the educational component of this program by providing online recycling courses and games to people as they wait for their item to be repaired. A recently purchased department trailer will be outfitted with supplies, tablets and screen displays (with education modules) to serve as a mobile Repair Cafe that can travel to multiple locations in Fort Worth.

**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.*

Since Fort Worth's program uses a mobile Repair Café, we will be able to serve several neighborhoods (e.g. 50 to 100 community members per event) throughout Fort Worth and partner with multiple host locations (e.g. Habitat for Humanity). There is also a possibility that we could partner with other cities to host a regional Repair Café. The reason community repair events are so important for North Texas municipalities is that they put a larger focus on the entire life-cycle of a product and demonstrate the importance of a circular economy by showing that if a product is durable and manufactured in a way where it can be repaired, it's not destined for the landfill. Since we're using a trailer intended for mosquito abatement, we're demonstrating that creativity can lead to opportunity. Trailers intended for other uses are not utilized 100% of the time and can be used for other projects if there is collaboration within the municipality. We will also be showing that Repair Cafes are popular in DFW, repairing items prevents waste, industrial design limits an item's reparability, and that residents will experience a waiting time which provides a great opportunity to educate them on the city's other recycling-related programs.

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

Within the first year, the goal is to have 50 residents at each Repair Café or 300 residents for 6 events and to repair 70% of all items brought in. On average, we'd like to divert 400lbs of materials per event and we'd like to see each education module used by 100 residents each month. We also plan on partnering with two to three organizations to host the Repair Café.

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

Program impacts and benefits include demonstrating the negative impacts of a disposal-first attitude, creating new friendships and community connections, supporting self-sufficiency, raising awareness for zero waste programs, growing partnerships between different organizations (e.g. Renusers, Trinity Habitat for Humanity, etc.), providing volunteers with an opportunity to serve the community and finally, providing free repairs to residents and keeping materials out of the landfill.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** Wise County

**GRANT ADMINISTRATOR:** Keith Stone, Public Works Director

**KEY PARTNERS:** N/A

**PROJECT TITLE:** Wise County, Texas Plastic Recycling Program

**REQUESTED SOLID WASTE FUNDS:** 27,549.17

**PROJECT CATEGORY:** Source Reduction and Recycling

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

Wise County implemented a recycling program in 2011. We are using our current waste containers to store and transport our plastic recycling to Pratt Recycling in Denton, Texas. The plastic recycling container has an open top and this causes trash and plastic to blow out and create a littering problem. We are spending hours daily cleaning up the surrounding area where the trash is blowing. While using the current container, we are being denied by our recycler to be paid because our container is not adequate for what it is being used for. Wise County is on a limited budget. Our population is increasing greatly resulting in more citizens using our recycling facilities.

**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.*

Wise County's population is steadily rising. New house construction is following as well as an increase in trash and recycling. Our goal is to have more people use our recycling program and less waste going to the landfill. Landfill loads cost us money to dispose of. If we can take more loads for recycling, it is more money in our budget. Having a new self-contained compactor would save on labor since we are having to pick up the stray trash daily.

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

This compactor would allow us to compact our recycling materials and cut down on environmental pollution and waste.

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

A compactor on site would allow us to compact our recycling process, protecting our environment and reducing labor required to pick up daily stray trash.



**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Grand Prairie Solid Waste and Recycling Division

**GRANT ADMINISTRATOR:** Amanda Lindbergh

**KEY PARTNERS:** Patricia Redfearn, Ph.D. of City of Grand Prairie and Brenda Townsend of Grand Prairie ISD

**PROJECT TITLE:** Plastic Ocean Community Awareness

**REQUESTED SOLID WASTE FUNDS:** \$49,100

**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 and Recycling Division is seeking to install 420 common area recycling bins at 42 campuses and the Education Center of Grand Prairie ISD through the Green and Clean Campus Program partnership. Fundraising will be completed through direct bin sponsorships, a Pennies for Plastics fundraiser, and A Plastic Ocean gala which includes a recycled art gallery, a recycled instrument band, a silent auction, the showing of the A Plastic Ocean documentary, and guest speakers include documentary producer, Jo Ruxton.

**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 air space at the Grand Prairie Landfill which serves 186,000 residents. The project will reduce litter in the city of Grand Prairie by increasing awareness of the proper disposal of plastics. The project will advance the goals of the Planning for Sustainable Materials Management in North Central Texas by increasing diversion of plastic recyclables from MSW.

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

- *Install 420 recycling bins in common areas at 42 campuses and the Education Center of Grand Prairie ISD*
- *Increase plastics recycling within GPISD, resulting in a decrease of recyclables ending up at the Grand Prairie Landfill*
- *Increase awareness of plastics recycling throughout the City of Grand Prairie.*

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

Students learning social responsibility may translate their newfound knowledge regarding plastics recycling into a greater appreciation for environmental health and management.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Plano

**GRANT ADMINISTRATOR:** Alex Pharmakis

**KEY PARTNERS:** City of Plano: Parks and Recreation, Libraries, Facilities, Commercial Recycling, and Human Resources

**PROJECT TITLE:** City of Plano Municipal and Employee Recycling Education Program

**REQUESTED SOLID WASTE FUNDS:** \$39,740

**PROJECT CATEGORY:** Educational and Training  
Projects

**PROJECT SUMMARY:**

The project enhances recycling receptacle placement throughout municipal buildings to increase accessibility and clarity of the recycling message. The updated public recycling receptacles include highly visible, educational stations designed to provide instruction to residents and clearly labeled desk-side receptacle saddles for municipal employees. The project includes hands-on employee training that provides an overview of waste management, operational processing, lifestyle practices and the importance of recycling. It also includes marketing and promotion of proper recycling, with the goal of increasing diversion rate and decreasing contamination.

**PROJECT IMPACT:**

The program advances numerous aspects of the Regional Plan including: enhancing education and outreach to local governments and the general public to improve recycling, providing resources to residents at the local level, preserving landfill space, and reducing contamination in order to improve market demand of materials. The project will be spread geographically throughout the city. The receptacles will be sited in municipal facilities which are located all around the city and the marketing will be provided through a variety of channels aimed to reach all demographics.

**PROJECT GOALS:**

The goals of the project are to increase diversion and decrease contamination at municipal buildings, create and grow a hands-on employee education program, and to increase diversion and decrease contamination at residences through outreach and education.

**KEY TAKEAWAY:**

The project will propel city facilities to be the textbook example of clean recycling and coupled with expanded outreach, set a benchmark of excellence for recycling efforts throughout the city.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT: Kaufman County**

**GRANT ADMINISTRATOR: Kaufman County**

**KEY PARTNERS: Kaufman County Sheriff's Department, Kaufman County Agrilife Office, Commodity Recycling Solutions LLC, CG Environmental, Kaufman, Kemp, and Scurry-Rosser ISD**

**PROJECT TITLE: Kaufman County Clean Up Project**

**REQUESTED SOLID WASTE FUNDS: \$110,525.56**

**PROJECT CATEGORY: Local Enforcement, Household Hazardous Waste, Litter and Illegal Dumping Programs, Educational and Training Projects**

**PROJECT SUMMARY: This grant funding would go toward the cost of holding electronic and household hazardous waste clean up events in two locations on two different dates, illegal dumping clean up efforts and prevention surveillance cameras, as well as educational materials and advertisement.**

**PROJECT IMPACT: This project will create a opportunity for the residents of Kaufman County to dispose of their Recyclables and Household Waste items they have around their homes which eventually might end up on our County Roads. Kaufman County will be able to hold citizens responsible for their actions by placing surveillance cameras up on the high problem County Roads. We will advance the goals of the regional plan by sharing the importance of caring for our environment by creating a handout that lines out locations and events where the residents of Kaufman County can go to dispose of their Recyclables and Household Hazardous Waste. We will reaching over 22,000 Kaufman County residents through email newsletters and mail outs, 4000 Residents by direct contact, 9100 residents by adding a insert to the local newspaper, and over 500 Kaufman County 2<sup>nd</sup> grade students and their families.**

**PROJECT GOALS:**

**To increase recycling participation in Kaufman County and meet the environmental needs of our residents.**

**To reduce contamination and solid waste from ending up in landfills, being burned or illegally dumped on our County Roads.**

**To distribute information and educate county residents about existing solid waste disposal options and scheduled Recycling/Household Hazardous Waste/Clean up events.**

**To education students from area school Districts about the Importance of Recycling and Protecting the Environment.**

**KEY TAKEAWAY: This is a holistic clean up project, where we want to dispose of past litter, defend against current illegal dumping perpetrators, and cultivate future recycling habits through adult and youth education.**

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Weatherford

**GRANT ADMINISTRATOR:** Dustin Deel, City of Weatherford Director of Municipal and Community Services

**KEY PARTNERS:** Other nearby cities, subdivisions, school districts, colleges, and others in the region

**PROJECT TITLE:** Regional Waste Minimization Evaluation and Implementation Plan Project

**REQUESTED SOLID WASTE FUNDS:** \$65,500

**PROJECT CATEGORY:** Technical Study

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

NCTCOG demographic forecasting projects that Parker County will grow by 72% from 2010 to 2040, increasing waste generation significantly. Impacts of the growth are compounded by limited landfill capacity. Therefore, it is imperative that the City of Weatherford (City), and surrounding NCTCOG member governments, subdivisions, school districts, and other entities in the region evaluate waste minimization options. The City - in collaboration with regional partners - will evaluate long-term waste minimization options (e.g. recycling, composting) on a regional basis. The City and interested partners will form a waste minimization committee. The City will facilitate a workshop with the committee to identify and discuss the range of preliminary waste minimization options and strategies and identify options and strategies for further evaluation. For options selected, the City will develop implementation plans.

**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 is designed to facilitate a partnership between the City and surrounding areas for regional waste minimization efforts. Regional efforts can expand the potential waste minimizations options for the City as well as others in the region. The intent is for the regional collaboration between the City and others in surrounding areas to continue as the identified waste minimization efforts are implemented. For example, the City will plan to develop an implementation plan for enhanced public education and recycling that will be based on the upcoming NCTCOG regional project to develop and implement a regional public education and outreach campaign to increase recycling and decrease contamination.

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

The primary goal is to initiate the collaboration between the City and surrounding areas for regional waste minimization efforts. In addition, the project seeks to increase waste minimization, increase recycling, increase future disposal capacity, develop implementation plans, reduce contamination and increase quality of recyclables, and foster development of recycling infrastructure.

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

With the grant funding, the City seeks to initiate and foster collaboration in the region to assist with developing and implementing recycling/composting programs that may be viable on a regional basis.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Lewisville

**GRANT ADMINISTRATOR:** Tim Yatko

**KEY PARTNERS:** N/A

**PROJECT TITLE:** HHW Facility Efficiency Upgrades and Residential Outreach

**REQUESTED SOLID WASTE FUNDS:** \$55,960    **PROJECT CATEGORY:** Household Hazardous Waste

**PROJECT SUMMARY:**

The City has been operating its own Household Hazardous Waste (HHW) program and facility since 2006. The requested grant funding will assist the City of Lewisville in building upon the effectiveness and efficiency of an existing program. Additionally, the requested items will offset rising disposal costs that will allow continued operation of the program for the City of Lewisville residents. Grant funds would be used to purchase a paint can crusher, an aerosol can crusher, provide electrical updates to the facility to handle the crusher, card readers, tablets, and outreach mailers with translations of HHW education material. The crushers would provide an option to reuse paint currently sent to the landfill and allow the paint cans to be recycled. By implementing technology updates, the City of Lewisville aims to increase participation from underserved parts of Lewisville and raise HHW handling and proper disposal awareness.

**PROJECT IMPACT:**

This would benefit Lewisville directly, and the region indirectly. Increasing participation in the program will help keep hazardous waste materials out of the landfill. Our waste reduction strategy of bundling paint and recycling cans will help reduce the amount of material being landfilled.

**PROJECT GOALS:**

The City of Lewisville's Household Hazardous Waste Facility Upgrades project goals are to reduce materials headed to the landfill for disposal, increase participation by underserved parts of the city and raise public awareness about hazardous household waste handling and disposal.

**KEY TAKEAWAY:**

The City of Lewisville wants to continue operating a successful Household Hazardous Waste program and facility while increasing diversion, participation, and education through efficiency upgrades and targeted outreach.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Eules

**GRANT ADMINISTRATOR:** City of Eules

**KEY PARTNERS:**

**PROJECT TITLE:** Composting

**REQUESTED SOLID WASTE FUNDS:** \$36,399

**PROJECT CATEGORY:** Source Reduction and Recycling

**PROJECT SUMMARY:**

*This City of Eules grant would provide more options for our residents to divert organic yard waste from the landfill by providing a special leaf pick up four times a year and free kraft yard bags for residents. In addition, educational opportunities would be provided by creating a Master Composter program and volunteer group that would provide continual training to Eules residents for basic backyard composting. There would be incentives for Master Composters such as free composting bins and thermometers. Finally, Christmas tree shaped magnets would be placed on live trees sold in Eules encouraging residents to bring them to a park for mulching at the end of the holidays.*

**PROJECT IMPACT:** *This proposed project would primarily target Eules residents and those nearby who purchase live Christmas trees. This project is in support of NCTCOG's See Less Trash Regional Solid Waste Plan and Time to Recycle goal. This project meets the objective to increase citizen participation in reuse and recycling of residential waste through innovative programs and the action to develop and expand recycling services outside of the typical curbside materials such as yard waste, organic food scraps, boxboard, etc. This project has not received prior grant funding and is an improvement project to provide backyard composting education to residents from across the region.*

**PROJECT GOALS:**

*There are three ways to measure the success of the project. First, we will measure the waste diversion by comparing the tonnage of leaves collected on the special pick up days and compare the decrease of solid waste going to the landfill through regular collection.*

*In addition, we will track participation and volunteer hours of the Master Composters and aim to have 50 active Master Composters that have donated 1,000 volunteers in place by the end of March.*

*Finally, the Parks Department currently tracks the numbers of Christmas trees that are collected at Midway Park. We have a goal of seeing a 30% increase in trees this year.*

**KEY TAKEAWAY:** *We expect the end result of this project will be an awareness of composting and its benefits along with an interest in creating more convenient opportunities to compost.*

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Alma  
**GRANT ADMINISTRATOR:** City  
**KEY PARTNERS:** Mark Stephens and Linda Calvert

**PROJECT TITLE:** Alma Beautification and Solid Waste Cleanup and Prevention

**REQUESTED SOLID WASTE FUNDS:** \$27,560

**PROJECT CATEGORY:** Solid Waste Cleanup/Education

**PROJECT SUMMARY:**

To clean up downtown Alma Roads to enhance and increase property value and bring in business to our community through solid waste cleanup and education.

**PROJECT IMPACT:** The cleanup and sustainability will help the indigent, local property owners and business's by attracting future growth to reside in the City of Alma.

**PROJECT GOALS:** To prevent future dumping through education and free dump days to enhance future growth.

**KEY TAKEAWAY:** To build a better community.

**2017/2018 MATERIALS MANAGEMENT CALL FOR PROJECTS**  
**PROJECT SUMMARY SLIDE**

**APPLICANT:** City of Terrell

**GRANT ADMINISTRATOR:** Environmental Co-op

**KEY PARTNERS:** City of Terrell and Environmental Co-op

**PROJECT TITLE:** Operation 24/7 Convenience Station Update

**REQUESTED SOLID WASTE FUNDS:** \$53,500

**PROJECT CATEGORY:** Source Reduction and Recycling

**PROJECT SUMMARY:** The four components of this program are to increase ease of use and increase the size of the 24/7 convenience station. The City of Terrell will pay for a concrete drive and fencing as in-kind. The current system is very crowded and is muddy after rains and drivers are often required to back out of the facility onto a busy four lane artery. Environmental Co-op will provide a recycling coordinator with up to date information on events 5 days per week and they will provide the ISD with educational materials as in-kind. The new forklift will help move containers/trailers/materials at the 24/7 convenience station. Six electronic recycling/paper shredding events will be planned for citizen's convenience. The final component of this grant is to increase overall public awareness through both social media, news articles, public announcements, signage, and event flyers as well as hands-on education during six e-waste/paper shredding collection events. These alternatives should greatly increase recycling rates and diminish contamination and ultimately provide a huge cost savings to our city and county.

**PROJECT IMPACT:** Kaufman County, population of over 110,000 and 781 square miles has four citizen convenience stations and one city with curbside recycling. This is a predominately rural county. The county experienced a 45% growth from 2000-2010 with current indicators showing even more rapid growth the past five years. As a result, management of recycling and contamination that occurs can be virtually impossible. The approximately 95,339 remaining citizen's have no way of recycling without the convenience stations. City of Terrell opened it's convenience station in 2008 and it is open 24/7. The amount of recyclables exceeds the space allotted for drop off. It also serves a regional need from the surrounding neighborhoods. This project will increase usage of the site and create more marketable recyclable materials with less contamination allowing for a more sustainable convenience station for many more years.

**PROJECT GOALS:** The goal of this project is to enhance the 24/7 convenience station for the citizen's of City of Terrell by updating the site, have clear signage, provide a person to contact with questions, providing clean containers for materials, and having recycling educational materials available for outreach. We will be

**KEY TAKEAWAY:** When this project is completed the citizen's will be proud to recycle more materials than they have been in the past and they will learn a lot about how recycling and the environment work hand in hand.