

**NCTCOG MATERIALS MANAGEMENT 2016-2017
GRANT APPLICATION**

APPLICANT INFORMATION

Submitting Entity Name
Collin County

Department / Division
Public Works

Current Solid Waste Provider
Progressive

Current Recycling Service Provider
Progressive

Project Contact Name
Jon Kleinheksel

Project Contact Title
Director of Public Works

Project Contact's Direct Telephone / Fax
972-548-3735 / 972-548-3754

Email Address
JKleinheksel@co.collin.tx.us

Address
700 A Wilmeth Road

City	State	Zip
McKinney	TX	75071

Primary Financial Contact – Authorized Representative
Jeff May

Financial Contact Title
County Auditor

Project Contact's Direct Telephone / Fax
972-548-4641 / 972-548-4696

Email Address
JMay@co.collin.tx.us

Address
2300 Bloomdale Road, Suite 3100

City	State	Zip
McKinney	TX	75071

Eligible Entities

To be eligible for this grant program the submitting entity must fit into one of the categories listed below.

- | | |
|--|---|
| <input type="checkbox"/> City | <input checked="" type="checkbox"/> County |
| <input type="checkbox"/> Public school district or independent school district | <input type="checkbox"/> Council of Governments |
| <input type="checkbox"/> General law or special law district created in accordance with state law, and having the authority and responsibility for water quality protection or Municipal Solid Waste management, including river authorities | |

Grant / Project Information

Project Title – Environmental Education and Analysis for Illegal Dumping Enforcement

Project Abstract (limit 700 characters)

The intent of this project is to reduce illegal dumping by providing educational information to the public and commercial sectors regarding product stewardship, recycling, and proper collection and disposal methods for toxic materials through the development and distribution of targeted pamphlets /brochures. In addition to efforts focused on reduction and prevention, the proposed project will also provide Collin County with the ability to enforce rules and regulations by obtaining the scientific evidence needed, through soil and/or water sampling and analysis, for effective prosecution and rehabilitation.

Which TCEQ funding category does this project fall under?

- | | |
|--|---|
| <input type="checkbox"/> Source Reduction and Recycling | <input type="checkbox"/> Household Hazardous Waste |
| <input type="checkbox"/> Litter and Illegal Dumping Cleanup & Community Cleanup Events | <input checked="" type="checkbox"/> Local Enforcement |
| <input type="checkbox"/> Citizen Collection Stations and "Small" Transfer Stations | <input type="checkbox"/> Local Solid Waste Management Plans |
| <input type="checkbox"/> Technical Studies | <input checked="" type="checkbox"/> Educational and Training Projects |

Which goal area does this project fall under?

- | | |
|---|--|
| <input checked="" type="checkbox"/> Support Materials Management Education and Training | <input type="checkbox"/> Promote Creation & Expansion of Waste Management Program |
| <input type="checkbox"/> Measure Regional Waste Reduction Efforts | <input type="checkbox"/> Support & Encourage Innovative Technologies for Other Waste |
| <input checked="" type="checkbox"/> Promote Public and Private Sector Partnerships | |

BUDGET

Budget Categories <i>(The Budget Categories section will be automatically populated when the detail is completed below.)</i>	Funding Request
1. Personnel (Salary)	\$0
2. Fringe Benefits	\$0
3. Travel (Does not include registration)	\$0
4. Detailed Consumable General Office Supply Budget (unit cost of less than \$1,000)	\$0
5. Equipment (unit cost of \$5,000 or more)	\$0
6. Construction	\$0
7. Contractual (other than for Construction)	\$98,000
8. Detailed Other Expenses Budget	\$501
9. Indirect charges	\$0
TOTAL	\$98,501
Applicant's In-Kind	\$0
Applicant's Match	\$0

1. Personnel (Salary)

Title	Function	Monthly Salary	Time (%)	# of Months	Request
NA		\$	%		\$

2. Fringe Benefits

Please list what is included in your Fringe Benefit Rate.	Fringe Rate (%)	Salary	Request
NA	%	\$	\$

3. Travel (Please apply registration fees to Other budget section)

Destination	Purpose	Request
NA		\$

4. Detailed Consumable General Office Supply Budget (Unit cost of less than \$1,000)

Description	Purpose	Quantity	Unit Cost	Request
NA				\$

5. Equipment (Unit price of \$5,000 or more)

Description	Purpose	Quantity	Unit Cost	Request
NA				\$

6. Construction

Description	Purpose	Quantity	Unit Cost	Request
NA				\$

7. Contractual

Contractor	Purpose	Request
To Be Determined	Engineering and technical services to determine environmental impact and provide forensic evidence	\$ 98,000

8. Detailed Other Expenses

Other Expenses	Description	Purpose	Quantity	Unit Cost	Request
Advertising/Public Notices					
Basic Office Furnishings					
Computer Hardware					
Computer Software					
Office Space					
Postage/Delivery					
Printing/Reproduction	Print educational information / pamphlets	Provide education on proper waste disposal	600	\$ 0.835	\$ 501
Signage					
Telephone/Fax					
Training					
Utilities					
Misc. Other					

9. Indirect Charges

Identify your indirect rate. Identify, in detail, each budget category to which your indirect cost rate applies and explain any special conditions under which the rate will be applied.	Indirect Cost Rate (%)	Request
NA		

Applicant's In-Kind

Applicant's In-Kind: NA

Narrative

Applicant's Match: NA

Narrative

Project Expansion

If more money becomes available, would you be able to expand your proposed project?

Yes

No

NOTE: It will be up to the discretion of the review committee to partially fund your project based on availability.

DETAILED PROJECT DESCRIPTION

Detailed Project Description (limit 4000 characters)

Since its inception in 2009, the Collin County Environmental Enforcement Program, which is a collaborative effort between several county departments, has worked diligently to prevent and combat illegal dumping. Through previously grant-funded projects including an extensive public education campaign, distribution of large recycling dumpsters throughout the rural areas, and motion-activated cameras, Collin County has realized a significant decrease in the number of illegal dump sites. Historically, the program has focused on illegal dumping in the County's right of way. However, during his investigations, the Environmental Deputy has observed many locations where waste with toxic / chemical components is being improperly disposed on private property.

The Deputy has reported sites where automotive or equipment fluids (e.g., antifreeze, Freon, oil) are pooling on the ground or are being disposed in open top barrels, while accumulated parts (e.g., engines, compressors, batteries) are showing leakages. In each of these cases, the soil around the areas is discolored and rain showers cause runoff into local waterways, which flow into Lake Lavon – the primary water source for the North Texas Municipal Water District (NTMWD). Additionally, the Deputy has witnessed refuse from automotive painting (solvents, cleaning solutions, coatings, sanding dusts, paint, metal chips) and concrete mixing (particulates,

aggregates, chemical additives, lubricants) being dumped, washed, or running off into local creeks and tributaries, as well as improper handling and disposal of pesticide, herbicide, and fertilizer containers.

In an effort to reduce repeated and/or continued contamination, the Deputy communicates with and attempts to educate the offenders, providing proper alternative disposal methods. In most cases, the educational information is provided verbally, along with a general illegal dumping brochure. In many cases, offenders likely will not conduct any further research or visit any websites to identify appropriate disposal methods. If awarded, staff members will be able to develop and print up to three targeted educational brochures / pamphlets for distribution, which will provide more specific and detailed information about proper disposal methods for the most common contaminants seen throughout Collin County.

It is the desire of the Environmental Enforcement Program to educate and bring persons into compliance, ensuring environmentally sound disposal methods are used. Unfortunately, the Deputy has met resistance from many persons who deny any wrongdoing and refuse to alter their current disposal methods. In these cases, Collin County needs the ability to obtain scientific evidence to identify the specific contaminate source, enforce rules and regulations, and prosecute as needed. Following a warrant being issued, the proposed project would provide funding for soil and/or water sampling, laboratory analysis, and comprehensive reporting by a qualified environmental services firm. The estimated cost for each site is approximately \$7,000 with an anticipated 14 sites needing these services. Additionally, in the event of a trial, funds may be used / needed for expert witness testimony from qualified members of the environmental services firm. Environmental analysis is crucial for providing the definitive forensic evidence needed to effectively prosecute offenders and secure a conviction. Once adjudicated, the responsible party can be ordered to clean and rehabilitate the affected site. Additionally, the geological report provided may be helpful regarding the best methods to ensure the sites are appropriately cleaned and rehabilitated.

Description of how your project meets or supports the regional goal(s) and objectives (limit 1000 characters)

The intent of this project is to reduce illegal dumping by providing educational information to the public and commercial sectors regarding product stewardship, recycling, and proper collection and disposal methods for toxic materials. In addition to efforts focused on reduction and prevention, this project will also provide Collin County with tools to enforce rules and regulations by providing the scientific evidence needed for effective prosecution. This project supports the following Regional Plan goals and objectives:

Goal: Support Solid Waste Education and Training

Objective: Support outreach and education programs to facilitate long-term increases in source reduction, reuse, and recycling

Objective: Educate the public about proper waste management opportunities and alternatives to reduce illegal dumping

Goal: Promote Public and Private Sector Partnerships

Objective: Increase coordination between cities' and counties' organizational entities to reduce illegal dumping

Feasibility and Implementation – 40 points (limit 1000 characters)

Previous grant-funded illegal dumping projects in Collin County have been quite successful at reducing the number of illegal dump sites. However, the Environmental Deputy has already identified several locations where waste with toxic / chemical components is being improperly disposed. Following unsuccessful education and remediation efforts, Collin County needs to be able to obtain scientific evidence to improve prosecution and ensure the sites are properly cleaned and rehabilitated. In addition to clean up costs, it is anticipated that judges will order those found guilty to repay soil and/or water analysis expenses. These funds will be used to continue the program as long as possible. Additionally, if the project proves effective, Collin County may consider continue funding environmental analysis after the grant period ends.

All departments involved have seen the project timeline and are ready to implement the processes immediately upon receipt of grant funds.

Addressing Needs and Demonstrating Results – 45 points (limit 1000 characters)

Collin County has grown rapidly to an estimated 885,241 persons covering 841 square miles, half of which are rural and farm lands. In these areas, our Environmental Deputy has noted several sites where toxic and chemical waste is being disposed improperly, such as locations where cars are repaired, concrete is mixed, fertilizers are used, and scrap metal is accumulating. Items such as oil, antifreeze, paint thinner, Freon, and pesticides, among others, are polluting these areas. Unfortunately, without supporting forensic evidence, enforcement is not possible.

Through this project, Collin County will educate offenders and prosecute those who are unwilling to comply. A reduction in repeat / continued contamination and illegal dumping offenses are anticipated outcomes. Data to be collected includes number of offenders

identified, warrants served, cases prosecuted, and sites cleaned, as well as number of persons educated about and voluntarily complying with proper disposal.

Regional Advancement of Materials Management – 15 points (limit 4000 characters)

This project will expand the tools currently available to Collin County to combat improper disposal of toxic materials. With grant funds, soil and/or water samples will be collected and analyzed using current technologies to determine the type of contamination and providing scientific evidence for enforcement of environmental rules and regulations. Additionally, this information will assist in the decision making process regarding the best methods for cleanup and restoration. In addition to improving waste materials management, this project should have other positive environmental impacts.

Improper disposal of waste can affect both water and animal cycles, with chemicals running off and leaching into nearby streams, creeks, and groundwater. For instance, pesticides may kill non-target organisms, such as beneficial insects, soil bacteria, and fish; while the presence of fertilizers may alter the nutrient system resulting in explosive growth of algae and depletion of the dissolved oxygen in water. Additionally, in Collin County, almost all waterways deposit into Lake Lavon which serves as the primary water source for the NTMWD to meet the needs of over 1.6 million consumers in 9 counties.

REGIONAL COLLABORATIVE PROJECT

Is this a regional collaborative project? No

If Yes, please fill out additional information below. Otherwise, skip this tab.

Partners (minimum of 3):

Entity

PROJECT TIMELINE

The suggested format for the Scope of Work (1st Task should be Execution of Interlocal Agreement)

1. Task
 - a. Activity and/or deliverable (schedule for this activity and/or deliverable)
 - b. Activity and/or deliverable (schedule for this activity and/or deliverable)
 2. Task
 - a. Activity and/or deliverable (schedule for this activity and/or deliverable)
 - b. Activity and/or deliverable (schedule for this activity and/or deliverable)
-
1. Execution of NCTCOG Interlocal Agreement
 - a. Receive agreement and submit for Commissioners Court award acceptance, March 2016 (Public Works)
 - b. Sign agreement and transmit to NCTCOG, April 2016 (Commissioners Court, Auditor's Office)
 - c. Establish grant accounts, April 2016 (Auditor's Office)
 2. Distribution of educational information
 - a. Design educational pamphlets / brochures, May 2016 (Public Works, Sheriff's Office)
 - b. Print educational information, Public Works / Sheriff's Office, June 2016 (Public Works, Sheriff's Office)
 - c. Distribute educational information, on an as need basis, to illegal dumping offenders, beginning July 2016 (Sheriff's Office)
 3. Selection of vendor / contractor to perform soil and/or water sampling and analysis
 - a. Work with Collin County Purchasing department to develop specifications and Request for Proposals, April 2016 (Public Works, Sheriff's Office)
 - b. Receive approval to advertise and out for bid, May 2015 (Purchasing Department)
 - c. Evaluate quotes / bids, end of June 2015 (Purchasing, Public Works, Sheriff's Office, Auditor's Office)
 - d. Obtain NCTCOG approval of chosen vendor, July 2015 (Public Works, Auditor's Office)
 - e. Award professional services contract, July 2015 (Purchasing Department)

4. Enforcement for illegal dumping offenders
 - a. Identify potential offenders, beginning April 2016 (Sheriff's Office)
 - b. Educate offenders and encourage remediation, beginning April 2016 (Sheriff's Office)
 - c. Request warrant for environmental sampling if offense persists, beginning July 2016 (Sheriff's Office)
 - d. Obtain samples and perform analysis, beginning July 2016 (Contractual Vendor)
 - e. File charges and prosecute offenders, beginning July 2016 (Sheriff's Office, District Attorney)
5. Completion of grant deliverables
 - a. Submit quarterly reports on timeline determined by NCTCOG (Public Works, Sheriff's Office, Auditor's Office)
 - b. Complete all expenditures, June 2017(Public Works, Sheriff's Office)
 - c. Submit final report, reimbursement request, and release of all claims, July 2017 (Public Works, Sheriff's Office, Auditor's Office)
 - d. Submit cumulative TCEQ Results Report through August 2017, September 2017(Public Works, Sheriff's Office, Auditor's Office)
 - e. Submit TCEQ Year Later Report, September 2018 (Public Works, Sheriff's Office)

PRIVATE INDUSTRY

Private Industry Notification: List of Other Entities Which Provide Similar or Related Service. For project types listed, this section must be complete in order to be considered for funding.

This section is applicable only to the following grant categories:

- a. Source Reduction and Recycling
- b. Citizens' Collection Stations and "Small" Registered Transfer Stations
- c. A demonstration project under the Education and Training project category

According to state law, a project or service funded under this program must promote cooperation between public and private entities (by definition includes non-profit organizations), and may not be otherwise readily available or create a competitive advantage over a private industry (by definition includes non-profit organizations) that provides recycling or solid waste services. If the proposed project provides a service, in the spaces below, list all known private service providers in the affected geographic area known to provide a similar or related service and summary your discussion with the providers. You must comply with the notification requirements. Please attach additional pages if needed.

Statement of Private Sector Notification

I certify, as an authorized representative of the local government with regard to the public/private sector cooperation requirements as outlined in the Request for Applications, that this application:

- comes under one of the categories listed above requiring private sector notification; however, I am unaware of any public or private entity which provides similar or related services within the proposed project area. (Applicant **must** provide a description of efforts to research and ascertain other existing services and demonstrate the reason why this option is selected. For example, a description of inquiries that were unsuccessful.)
- comes under one of the categories listed above requiring private sector notification; however no competitive advantage exists, therefore no private sector notification was necessary. (Applicant must explain.)
- Comes under one of the categories listed above requiring private sector notification and I have notified the private sector industry. (Applicant must list private service providers contacted.)

Private Service Providers Contacted	Name and Position	Date Notified	Method of Contact
			Please select... 

Summaries of Discussions with Private Industry

Provide summaries of any input and concerns raised by the private service providers; summaries of any meetings or discussions held between the Applicant and the private service providers; an explanation of any changes made to the proposed project to address private service provider concerns; and an explanation of any remaining concerns that were not addressed and why the Applicant determined that the concerns are not valid under the statutory requirements. Attach any written comments or input provided.

NOTIFICATION SIGNATURE

Supporting Documentation (Please limit your response to 1000 characters.)

Please list attachments in the box below. This includes:

- Project Summary Slide
- copies of letters of support (required for regional projects),
- resolutions,
- court orders,
- maps,
- and any other supporting documentation.

By checking this box, the Applicant certifies that it has reviewed the certifications, assurances and deliverables included in this application, that all certifications are true and correct, that assurances have been reviewed and understood, and that all required deliverables are included with this application submittal.



Signing Entity Signature

Keith Self

Name

(972) 548-4632

Phone



Date

County Judge

Title

Keith.Self@co.collin.tx.us

Email

2016/2017 MATERIALS MANAGEMENT CALL FOR PROJECTS
PROJECT SUMMARY SLIDE

APPLICANT: Collin County

GRANT ADMINISTRATOR: Jon Kleinheksel

KEY PARTNERS: Collin County Public Works and Collin County Sheriff's Office

PROJECT TITLE: Environmental Education and Analysis for Illegal Dumping Enforcement

REQUESTED SOLID WASTE FUNDS: \$98,501

PROJECT CATEGORY: Local Enforcement

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

If awarded, funding from this grant will be used to develop, print, and distribute up to three targeted education brochures / pamphlets which will be distributed to illegal dumping offenders, providing more specific and detailed information regarding proper disposal methods for the most common contaminants seen throughout Collin County. In cases where education and remediation efforts are unsuccessful, Collin County will legally obtain the necessary evidence for prosecution. Grant funds will be used to hire a qualified environmental services firm for soil and/or water sampling, laboratory analysis, and comprehensive reporting, as well as any expert witness testimony needed during trial. Once adjudicated, the responsible party can be ordered to clean and rehabilitate the affected site.

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.*

Collin County covers 841 square miles, approximately half of which are rural and farm lands. This project will provide resources to educate the public and commercial sectors regarding product stewardship, recycling, and proper collection and disposal methods for toxic materials. In addition to efforts focused on reduction and prevention, the proposed project will also provide Collin County with the ability to enforce rules and regulations by obtaining the scientific evidence needed for effective prosecution and rehabilitation.

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

The intent of this project is to reduce and prevent illegal dumping through the provision of educational information and local enforcement.

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

This project should improve contamination from illegal dumping in the rural areas of Collin County and result in a reduction in repeated and/or continued offenses.