

Solid Waste Grant Application

General Information

Application Information

Application ID

100185

Entity

Fort Bend County

Department/Division

Engineering

Eligible Entities

Entity Category

County

Primary Project Contact Information

First Name

Ike

Address

301 Jackson St Richmond, TX
77469

Last Name

Akinwande

County

Fort Bend

Title

Assistant County Engineer-Projects

Phone Number

281-633-7506

Email Address

Ike.Akinwande@fortbendcountytx.gov

Primary Financial Contact Information

First Name

Ed

Address

301 Jackson St Richmond, TX
77469

Last Name

Sturdivant

County

Fort Bend

Title

County Auditor

Phone Number

281-341-3760

Email Address

Ed.Sturdivant@fortbendcountytx.gov

Grant/Project Information

Project Title

Bulb Eater

Brief Project Description

Fort Bend County wishes to acquire a bulb eater so as to eliminate more of its global footprint by reducing the amount of boxes purchased (trees) to package fluorescent bulbs as well as better capture the mercury from these bulbs. This piece of equipment will increase our operating space as well as create a safer working environment for our employees.

Grant Category

Household Hazardous Waste Management

Population Served by this Project

Fort Bend County

Personnel, Fringe, & Indirect Budget

Personnel Budget Narrative

not applicable.

Fringe Benefits Budget Narrative

not applicable.

Travel Budget

Travel Budget Narrative

not applicable.

Supplies Budget

Supplies Budget Narrative

not applicable.

Equipment Budget

Equipment Budget Line Item #1

Description

Bulb Eater 3L (120v) Machine

Purpose

Capture mercury and reduce carbon foot print by eliminating cardboard from being used.

Make/Model

333-100-120

Quantity

1

Equipment Amount Requested

\$5,022.00

Equipment Budget Narrative

Fort Bend County is always trying to improve its recycling program through improving processes or using equipment. It is our belief that the Bulb Eater Equipment will improve the safety of our area for employees and visiting residents.

Construction Budget

Construction Budget Narrative

not applicable.

Contractual Budget

Contractual Budget Narrative

not applicable.

Other Budget

Other Budget Narrative

not applicable.

Total Funding Request

Budget Summary

Below is a summary of the budget items you have added for this application.

Category	Total Amount Requested
Personnel Budget (Includes Indirect & Fringe Benefits)	\$0
Travel Budget	\$0
Supplies Budget	\$0
Equipment Budget	\$5022
Construction Budget	\$0
Contractual Budget	\$0
Other Budget	\$0
Total Amount Requested	\$5022

Requested Funding

Total Grant Amount Requested

\$5,022.00

Applicant's Match/In-Kind

\$0.00

Total Project Budget

\$5,022.00

Project Merits and Needs

Up to 45 Points Total

Need for Project (20 Points)

Recycling is much easier if you live in certain size cities. You make sure to sort out your waste, place all of your recyclables into one bin on a certain day, you take it to the curb, it gets picked up and you typically don't think anything else about it. And then you pat yourself on the back..."Job well done!". In a rural community, such as many cities within Fort Bend, recycling is more challenging. Due to distance from markets, volume and geographic restraints, most private haulers are unable to provide curbside recycling

services to rural communities. Fort Bend implemented its recycling drop-off several years ago and uses in-house staff for pickups throughout the county. We are wanting to do more. The addition of a bulb eater will be used to capture mercury from CFL's and reduce the Fort Bend County carbon footprint from purchasing supplies.

Objective (5 Points)

The Fort Bend County Recycle Center provides a regional center for general and HHW recycling for Fort Bend County residents. We are committed to protecting the environment by promoting recycling, reducing/reusing in order to ensure a safe and healthy community for current and future generations by diverting waste from landfills.

Project Feasibility (10 Points)

Fort Bend County took steps to begin the currently functioning recycling program. We have been cost-conscious and strategic in expanding our capability to recycle with great efficiency and capacity. Fort Bend has been able to obtain equipment throughout the program and maintain a staff in alignment with the amount of service provided to county residents. However, the requested equipment through the grant from HGAC will take this program a step further.

Outreach and Education (10 Points)

Fort Bend plans to promote and educate the community on the recycling program in several ways. Fort Bend plans to utilize its website to educate residents. In addition, we are partnering with the City of Sugarland to have interactive recycling education performances at our local elementary schools, and produce and distribute recycling educational videos.

Local Resources and Commitments

Up to 25 Points Total

Ability to Sustain Project (15 Points)

Fort Bend County has a long history of recycling. We have managed to keep the program going through prudent fiscal responsibility and an amazing staff that believes in the vision of recycling. Our partnership with City of Sugarland for the educational component helps us in an area where we do not have the current resources. The equipment that we plan to purchase will have benefits for our staff and customers. Our customers will see an innovative way to recycle bulbs, and the bulb eater will reduce the amount of packaging that is normally required to get the bulbs recycled by a vendor. And additionally, all equipment will be properly maintained and stored in accordance with the manufacturer's standards. They will be used within the manufacturer's recommendations to ensure the long life of the equipment.

Matching Funds or In-Kind Services (5 Points)

While Fort Bend is not contributing any matching funds, we do plan to utilize in house staff to operate the equipment.

Partnerships (5 Points)

We are partnering with the City of Sugarland to provide educational outreach.

Project Evaluation

Up to 30 Points Total

All fields are required.

Economic Viability (15 Points)

With the use of the bulb eater, we would be able to reduce the cost of materials by reducing the number of boxes used for packaging and the number of times materials are shipped to a vendor. This will save taxpayer dollars and reduce the number of materials sent to landfills.

Anticipated Effectiveness (10 Points)

Our hope is that the educational aspect could lead to more community involvement in the recycling program and increased recycling rates. Fort Bend is anticipating that the educational program and new equipment will have an immediate impact both financially and environmentally, and could lead to more innovation and an increase in recycling from our customers.

Measures of Success (5 Points)

Fort Bend plans to measure the success of items requested for grant support by employee satisfaction surveys, feedback from participants of our partnered educational program, and evaluation of increased recycling rates/decreased overall financial cost related to bulb recycling.

Additional Program Information

General Information

What type of HHW collection are you requesting funds for?

Permanent

Materials to be Collected

What materials are being collected? (HHW only or others? Please list others.)

not applicable.

What are the estimated costs for processing the materials collected?

not applicable.

Who is covering the costs?

not applicable.

What is the estimated cost for disposal of the materials collected?

not applicable.

Contractor Information

Who is the contractor?

not applicable.

What is the estimated cost for the contractor?

not applicable.

What procurement method did you utilize?

not applicable.

Educational Component

What educational items will you be purchasing?

not applicable.

What is the specific purpose and message of the educational items?

not applicable.

Describe your distribution plan of the items.

not applicable.

Advertising/Promotion

Please describe all advertising/promotion you have planned for your program.

Are materials going to be recycled? If so, where and which items?

not applicable.

Is reuse of materials planned where appropriate? If so, give specifics.

not applicable.

One-Day and Mobile Event Information

What are the locations where collection will occur?

not applicable.

How many events are planned?

not applicable.

How often will events be held?

not applicable.

What are the planned hours of collection/operation?

not applicable.

Have you had HHW collection events in the past? If yes, provide information on when or how often.

not applicable.

Equipment

If you are requesting funds to purchase equipment, what will the equipment be used for?

Capture and containment of mercury vapors.

How often will the equipment be used?

Daily.

Do you have adequate space to store the equipment?

Yes

Will the equipment be used for solid waste purposes 100% of the time?

Yes

Regional SWMP

Evaluation of Consistency with the Regional Solid Waste Management Plan Goal #1

Goal #1: Does this project promote services and technical assistance support of local and regional solid waste management planning?

No

Evaluation of Consistency with the Regional Solid Waste Management Plan Goal #3

Goal #3: Does this project promote the options for reduction and recycling of waste disposal in municipal solid waste management facilities?

Yes

Objectives Met

Objective 3C: Target waste reduction activities to certain components of the waste stream that may pose a special risk or problem.

Private Industry

Private Industry #1

not applicable.

Partnerships

Please indicate all partnerships you will be utilizing for your program.

not applicable.

Permanent Facility Information

Are you requesting funds for a new facility or for modification of an existing facility?

N/A

What is the location/address of the facility?

not applicable.

What are the hours of operation?

not applicable.

Who can use the facility?

not applicable.

Will the facility be manned or unmanned?

Manned

Is there a cost to users?

not applicable.

What is the estimated frequency of users?

not applicable.

What signage will you be using to either direct users to the facility or to guide them in proper usage of the facility?

not applicable.

Private Service Providers Contacted

We did not find any other entities which provide a similar service related to bulb eaters.

First Name

not applicable

Last Name

not applicable

Title

not applicable

Date Notified

not applicable

Method of Contact

not applicable

Discussion Summary

not applicable

Similar Programs

Similar Program #1

Entity

Not applicable.

Contact First Name

Not applicable.

Contact Last Name

Not applicable.

Date of Contact

Not applicable.

Summary

Not applicable.

Application Agreement & Signature

Signature

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.

Name

K.P. George

Title

County Judge