

**East Texas Council of Governments  
FY 2011 REGIONAL SOLID WASTE GRANTS PROGRAM**

**FORM 1. APPLICATION INFORMATION AND SIGNATURE PAGE**

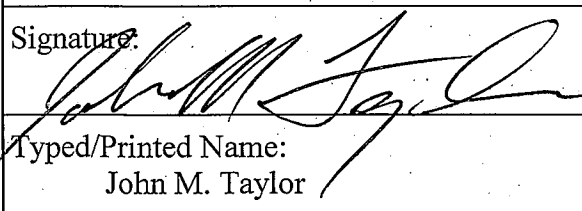
Applicant: City of Chandler	Funding Amount Proposed: \$60,000
Address: PO Box 425 Chandler, TX 75758	Phone/Fax/Email: Ph: 903-805-4140 Fx: 903-849-4663 Email : jtaylor@chandlertx.com
Contact Person: John Taylor	Date Submitted: 10/28/2011

**Project Category**

<input type="checkbox"/> Local Enforcement
<input type="checkbox"/> Litter and Illegal Dumping Cleanup and Community Collection Events
<input checked="" type="checkbox"/> Source Reduction and Recycling
<input type="checkbox"/> Local Solid Waste Management Plans
<input type="checkbox"/> Citizens' Collection Stations and "Small" Registered Transfer Stations
<input type="checkbox"/> Household Hazardous Waste (HHW) Management
<input type="checkbox"/> Technical Studies
<input type="checkbox"/> Educational and Training Projects
<input type="checkbox"/> Other

**Signature**

By the following 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.

Signature: 	Title: Assistant City Administrator
Typed/Printed Name: John M. Taylor	Date Signed: 10/28/2011

**FOR USE BY ETCOG**

Date application was received: <u>10/28/2011</u>
Does the application meet all of the required screening criteria: <u>X</u> Yes <u>    </u> No
Is the application administratively complete: <u>    </u> Yes <u>X</u> No

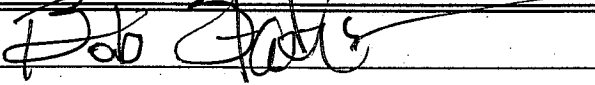
Project Application  
Form 1

*\*Resolution will be  
passed 11/8/2011*

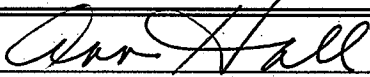
## FORM 2. Authorized Representatives

The Applicant hereby designates the individual(s) named below as the person or persons authorized to receive direction from the COG, to manage the work being performed, and to act on behalf of the Applicant for the purposes shown:

- 1. Authorized Project Representative.** The following person is authorized to receive direction, manage work performed, sign required reports, and otherwise act on behalf of the Applicant.

Signature: 
Typed/Printed Name: Bob Staehs
Title: City Engineer
Date: 10/28/2011

- 2. Authorized Financial Representative.** In addition to the authorized project representative, the following person is authorized to act on behalf of the Applicant in all financial and fiscal matters, including signing financial reports and requests for reimbursement.

Signature: 
Typed/Printed Name: Ann Hall
Title: Mayor
Date: 10/28/2011

## FORM 4. Resolution

A resolution authorizing the application must be approved by the governing body of the Applicant. Following this page is an example Resolution Form that may be used to prepare the required resolution. This or a similar resolution must be specifically signed and notarized in addition to the signature required in Form 1.

**The following is a draft resolution which will be approved by the City Council and signed on November 8, 2011.**

**City of Chandler**

**RESOLUTION R-11-8-2011**

**RESOLUTION OF THE CITY OF CHANDLER AUTHORIZING THE FILING OF A GRANT APPLICATION WITH THE EAST TEXAS COUNCIL OF GOVERNMENTS FOR A REGIONAL SOLID WASTE GRANTS PROGRAM GRANT; AUTHORIZING JOHN TAYLOR, ASSISTANT CITY ADMINISTRATOR TO ACT ON BEHALF OF THE CITY OF CHANDLER IN ALL MATTERS RELATED TO THE APPLICATION; AND PLEDGING THAT IF A GRANT IS RECEIVED THE CITY OF CHANDLER WILL COMPLY WITH THE GRANT REQUIREMENTS OF THE EAST TEXAS COUNCIL OF GOVERNMENTS, THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AND THE STATE OF TEXAS.**

WHEREAS, the East Texas Council of Governments is directed by the Texas Commission on Environmental Quality to administer solid waste grant funds for implementation the COG's adopted regional solid waste management plan; and

WHEREAS, the City of Chandler in the State of Texas is qualified to apply for grant funds under the Request for Applications.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY OF CHANDLER IN HENDERSON COUNTY TEXAS;

1. That John Taylor, Assistant City Administrator, is authorized to request grant funding under the East Texas Council of Governments Request for Applications of the Regional Solid Waste Grants Program and act on behalf of the City of Chandler in all matters related to the grant application and any subsequent grant contract and grant project that may result.
2. That if the project is funded, the City of Chandler will comply with the grant requirements of the East Texas Council of Governments, Texas Commission on Environmental Quality and the State of Texas.
3. The grant funds and any grant-funded equipment or facilities will be used only for the purposes for which they are intended under the grant.
4. That activities will comply with and support the adopted regional and local solid waste management plans adopted for the geographical area in which the activities are performed.

PASSED AND APPROVED by City Council in Chandler, Texas, on this the 8th day of November, 2011.

Notary: _____	
_____ (Signature of Mayor)	_____ (Signature)
_____ (Typed or Printed Name)	_____ (Type or Printed Name)
_____ (Title)	_____ (Commission Expires)



**Form 5b. Summaries of Discussions with Private Industry**

*(Refer to instructions concerning information to include on this form. Attach any written comments or input provided)*

Allied Waste – 10-26-11 called Gene Keenon, Manager of Governmental Affairs, (left message)

Allied Waste – 10-27-11 Gene Keenon, Manager of Governmental Affairs, (returned call). He stated that he did not have any problem with Chandler's grant request or the intention of Chandler to send its sludge to a composting facility.

## FORM 6: Project Summary

Please provide a complete project summary. Reference the goals, objectives, and/or recommendations from the regional solid waste management plan that apply to the project, and how the project will assist in implementing the plan. Refer to the application instructions when completing these forms. If necessary, attach additional pages for each form.

### **Form 6a. Project Description** (*add additional pages as necessary*)

This project would measurably assist ETCOG in attainment of Goal #3, Section II of the Regional Solid Waste Management Plan stated, "Develop and encourage cost effective recycling, composting, source reduction, and other waste minimization activities taking place in the region." Specifically, Objective 3B would be achieved through increased recycling and source reduction.

The City of Chandler has used previous grant funding to reduce the amount of material that enters the land fill by purchasing and putting into use a Chipper Shredder program. The city of Chandler also supports a successful volunteer driven recycling center. This application will further Chandler's efforts in recycling and source reduction through advancing our sludge drying technology at the city's sewer treatment plant.

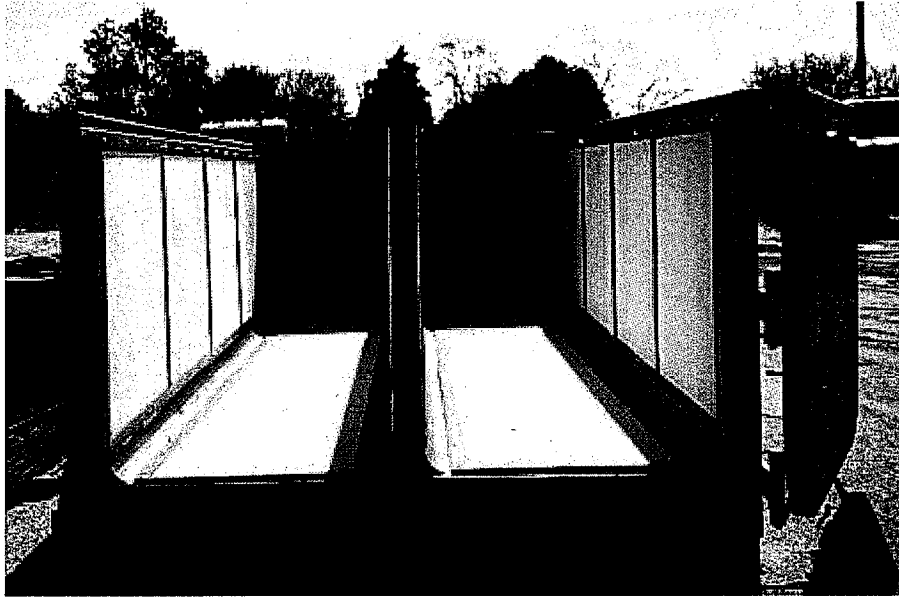
The city of Chandler currently uses an out dated and inefficient technology to dry the sludge material from the treatment plant. The drying bed currently being used does not remove enough of the water to allow the sludge to be recycled as compost and is very labor intensive. Currently 100% of the sludge from the Chandler treatment plant is taken to the landfill. In addition, the volume of the waste material will be decreased by the removal of the water which can then be returned to the treatment plant for processing.

The sewer treatment plant in Chandler currently serves the population of Chandler (2,734) but also the plant accepts approximately 780 septic pump trucks a year serving the rural population from Anderson, Smith, Henderson, and Van Zandt counties. From these septic pump trucks alone the plant averages 1.56 million gallons a year which would equate to a population served of 390,000.

The city desires to install a 30 yard roll-off dewatering box in order to achieve the following goals:

1. Reduce the volume of disposable waste by returning the water from the sludge to the water treatment plant.
2. Reduce the volume of sludge material going to the landfill by 100% and instead sending the dried sludge material to a composting facility such as the Upper Sabine Valley Solid Waste Management District.
3. Improve our current technology to be better able to handle the septic pump trucks which rely on our facility.

The equipment needed to achieve these goals is a 30-yard open-top, round bottom, roll off Dewatering Unit illustrated below.



**Form 6b. Project Cost Evaluation** (add additional pages as necessary)

Provide an evaluation of the costs associated with the proposed project. Explain how the total related costs of the proposed project were adequately considered; compare project costs to established averages or to normal costs for similar projects. Present the costs in unit terms, such as cost per ton, cost per customer, or cost per capita, as applicable. Describe any measurable costs savings, or reasonably justified costs of the project.

<b>Total Cost of Project</b>	<b><u>\$97,000</u></b>
Cost of 30 yard Roll off Dewatering Unit	\$60,000
* Cost of required site work (25x12 concrete pad, drainage apron, electrical)	\$15,000
* Engineering	\$5,000
* 2 pumps and 200' of piping	\$15,800
* Polymer \$100 per month x 12	\$1,200

**\* Project costs proposed to be completed with City funds (\$37,000)**

Total Project costs per capita (served population 392,734) =0.24

Immediate reduction of landfill material	80 cubic yards annually
20 year life of project	1,600 cubic yards

(Long term the city plans to begin processing additional sludge material through this dewatering container resulting in larger annual source reductions.)

**Form 6c. Level of Commitment of the Applicant** *(add additional pages as necessary)*

Provide information related to the Applicant's level of commitment to preferred solid waste management practices. If the proposed project is an ongoing service, demonstrate the ability to sustain the program beyond the term of the grant. Explain the extent to which the appropriate governing bodies support the proposed project.

**The city of Chandler has proven its commitment to preferred solid waste management practices by developing a successful recycling program in 1999 and having an active volunteer base through Keep Chandler Beautiful.**

List any previously demonstrated commitment to preferred solid waste management practice, such as implementing other solid waste management projects, involvement in a local or subregional solid waste management plan or study, or membership in the TCEQ's Clean Texas Program.

**City of Chandler received a chipper/shredder through a grant and has instigated a program to reduce waste which would be going to the land fill by using the byproduct of the chipper in the park and other areas around the city.**

If the proposed project has received previous grant funding under this program, explain to what extent the proposal involves expansion of current services or operations; present quantifiable documentation of the success of the project in order to warrant further funding. Demonstrate a good record of past grant contractual performance.

**This will be a new program and is not associated with any prior grant funding.**

**Form 6d. Scope of Work** (See application instructions. Add additional pages as necessary)

Provide a work program with a schedule of deliverables for the proposed project or program. The work program with the schedule of deliverables will be considered the Scope of Work to be performed under the contract agreement, if funded. Once the details of the work program have been negotiated with the Applicant and approved by the COG, the work program will be entered into the grant contract.

As concisely as possible, for each task of the proposed project, describe the major steps or activities involved, identify the responsible entities and establish a specific timeframe to accomplish each task. The scope of work for the project or program must include:

- Detailed purpose and goal of the project (should be consistent with implementing the goals, objectives, and recommendations from the regional solid waste management plan, as stated in the project description on Form 6a).
- Specific task statements with responsible entity identified
- List of deliverables/products/activities under each task
- Schedule of deliverables

The purpose of this project is to improve the sludge drying technology at the Chandler sewer treatment plant resulting in a 100% reduction of material delivered to the landfill and a recycling of waste water to the treatment stream and recycling the dried sludge to a composting program.

The schedule of deliverables is in reference to the date ETCOG gives the District a "notice to proceed" letter.

This project's work program is as follows:

1. Develop dewatering container specifications. This task will be completed by city staff within one week
2. Develop bid documents. This task will be completed by city staff within two weeks.
3. Generate a bidders list. This task will be completed by city staff within two weeks.
4. Publish notice to Bidders and mail bid documents to the bidder list. This task will be completed by city staff within one month.
5. Open bids. This task will be completed by city staff within two months after the official date bidding was opened.
6. Site work completed. This task will be completed by city's contractors within two months
7. Evaluate bids. This task will be completed by city staff one week after bids are opened.
8. Award the bid to the lowest responsible bidder. This task will be completed by City Council at the first Council meeting after bids have been evaluated by staff.
9. Order equipment. This task will be completed by city staff immediately after bid is awarded.
10. Delivered Equipment installed. This task will be completed by city contractor within 2 weeks of delivery.

Deliverables will include:

1. Dewatering container specifications
2. Bid documents
3. Bidders list
4. Notice to bidders
5. Bids
6. Award of the bid staff report and action

### FORM 7. GRANT BUDGET SUMMARY

Please provide the following breakdown of the total amount of grant funding being requested:

Budget Category	Funding Amount
1. Personnel/Salaries	\$
2. Fringe Benefits	\$
3. Travel	\$
4. Supplies	\$
5. Equipment	\$ 60,000
6. Construction	\$
7. Contractual	\$
8. Other	\$
9. <b>Total Direct Charges</b> (sum of 1-8)	\$ 60,000
10. Indirect Charges*	\$
11. <b>Total</b> (sum of 9 - 10)	\$ 60,000

12. Fringe Benefit Rate:	%	
13. Indirect Cost 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:

\*In accordance with the UGMS, indirect charges may be authorized if the Applicant has a negotiated indirect cost rate agreement signed within the past 24 months by a federal cognizant agency or state single audit coordinating agency. Alternatively, the Applicant may be authorized to recover up to 10% of direct salary and wage costs (excluding overtime, shift premiums, and fringe benefits) as indirect costs, subject to adequate documentation. If you have an approved cost allocation plan, please enclose documentation of your approved indirect rate.

***Please complete any of the following detailed budget forms that are applicable.***

**FORM 7a: Detailed Matching Funds/In-Kind Services**

This budget form should be completed if the Applicant is providing any level of matching funds or in-kind services directly related to the proposed project.

**Matching Funds: \$37,000**

In the space below, please explain in detail the application of any matching funds to be provided by the Applicant, as directly related to the proposed project:

* Cost of required site work (25x12 concrete pad, drainage apron, electrical)	\$15,000
* Project Engineering	\$5,000
* 2 pumps	\$15,000
* 200' of piping	\$800
* Polymer \$100 per month x 12	\$1,200

In-Kind Services: \$\_\_\_\_\_ (monetary equivalent)

In the space below, please explain in detail the application of any in-kind services to be provided by the Applicant, as directly related to the proposed project:

**The city of Chandler provides the staff to manage and maintain the sewer treatment plant and the proposed dewatering container.**

What is the TOTAL COST of the proposed project, considering the total grant funding requested, any matching funds being provided by the Applicant, and the monetary equivalent of any in-kind services being provided by the Applicant:

**\$ 97,000**

### FORM 7e: Detailed Equipment Expenses

All equipment purchases must be pre-approved by the COG. If the specific details of an equipment purchase are known, show that equipment on the list below. If the specific details of the equipment costs are not known at this time, list the general details on this form. The specific details of the equipment will then need to be provided to and approved by the COG before the costs are incurred.

<b>Equipment (\$5,000 or more per unit)</b> <i>(Show description, type, model, etc.)</i>	<b>Unit Cost</b>	<b>No.of Units</b>	<b>Total Cost</b>
30 yard Roll off Dewatering Unit (Specifications: Dewatering unit to be 30 cu yd. full capacity inside diameter without filtering media; 6 - 4" drain ports female threaded S.A.E. mounted 3 on each side, (2) 3" drain ports female threaded S.A.E. mounted on rear door flush with door bottom, (2) 3" inlet ports female threaded S.A.E. mounted at top of door, Filter media being installed on (6) sides with the following: Monofilament-polyester 437 CFM @ 1890 lb. tensil per linear inch with blended modified satin with particulate retention rated at 330 microns max attached to media backing with stainless button head bolts and stainless locking cap nuts. All screens to be mounted flush, and tight with no leaks for solid migration.)	\$ 60,000	1	\$ 60,000
	\$		\$
	\$		\$
<b>TOTAL</b> <i>(Must equal Line 5 of the Overall Budget Summary)</i>		\$ 60,000	