

FORM A

SOLID WASTE ALTERNATIVES PROGRAM

Project Title:	Business and Industry Recycling Collection Program		
Applicant Name:	Tenco		
Street Address:	710 Gateway Drive		
City/State/Zip:	Ottumwa, Iowa 52501		
Mailing Address (if different):			
PO Box:	1287		
City/State/Zip:	Ottumwa, Iowa 52501		
County:	Wapello		
Contact Person:	Jackie Salters, Supportive Employment Placement Coordinator		
Telephone Number:	(515) 682-8114		
E-mail Address:	tenco@lisco.com		
Applicant Type:	<input type="checkbox"/> Local Government <input type="checkbox"/> Private For Profit <input checked="" type="checkbox"/> Private Not For Profit		
Primary Project Type	<input checked="" type="checkbox"/> Best Practices <input type="checkbox"/> Education <input type="checkbox"/> Market Development		
Amount of Funding Requested:		\$	6,953.75
Amount of Applicant Match Committed:		\$	7,142.25
Total Project Cost:		\$	14,096.00
Facility Location:	Various businesses within the Ottumwa area.		
Project Service Area Description:	The City of Ottumwa and surrounding area		
Signature:	<i>Duane Bon</i>		
Title:	<i>Director of Manufacturing</i>		
Date:	<i>6-21-99</i>		

FORM B

Project Description

Tenco, an agency who trains and/or employs disabled adults, would like to be able to provide recycling collection services for larger businesses and businesses who generate large quantities of materials. To do this, Tenco would purchase ten (10) 8X6 lockable metal buildings. These structures would be sturdy enough to withstand the elements, be attractive and hold enough materials to make the building worthwhile. Additionally, because the structure is enclosed, other materials could be stored along with the corrugated cardboard, such as bagged office paper and/or newspaper. Those materials must remain dry, so without an enclosed structure, outside storage would not be possible.

Staff would then promote the program with the assistance of the Ottumwa/Wapello Recycling Center. This would entail the Tenco Recycling Supervisor going out into the commercial community to talk with owners and managers about recycling and persuade them to use Tenco's services. Tenco already has a presence in the business community, as it provides janitorial services for many of the businesses in the Ottumwa area. Once businesses have expressed an interest in Tenco's recycling program, assistance with waste audits, employee training and educational materials would be available free of charge through the Ottumwa/Wapello Recycling Center. Once the program was on line, Tenco would collect the material from the buildings according to the schedule agreed to with the businesses. This service would be ongoing and could provide employment for one or more Tenco clients.

Project Need

Tenco began a small business recycling program in July of 1998. The Ottumwa/Wapello Recycling Center identified that there was a need for this service, based upon past waste audits at the local landfill as well as requests from area merchants. Moreover, a national waste hauler purchased all but one of the local haulers and then raised trash hauling rates significantly, leading many area businesses looking for a way to reduce the amount of trash they were landfilling. Unfortunately, many businesses were not able to participate in this program due to lack of storage space. Tenco currently serves all City and County offices, 15 private businesses as well as providing special pick-ups for businesses and private residents.

A recent waste audit conducted at the Ottumwa/Wapello County Landfill indicated that 70% of the waste disposed of in the landfill is generated by commercial entities. A large percentage of the commercial waste stream is recyclable, with a large quantity of it being corrugated cardboard. Landfill staff have indicated that frequently loads of trash are disposed of at the landfill that are predominately corrugated cardboard. However, upon identification of these businesses, they are larger entities, which would require

Storage is

additional outside storage for corrugated cardboard to be separated from the waste stream.

The Recycling Coordinator has offered the collection service to businesses but has been unable to interest several because of Tenco's inability to provide outside storage for the materials. Examples of such businesses would include convenience stores and fast food restaurants.

Project Objectives and Participation

The goal of this project is to decrease the amount of corrugated cardboard and other easily recyclable materials being landfill in the Ottumwa/Wapello County Landfill. The objectives for this project include; 1) To gain 10 new customers within the grant period, to utilize the metal buildings; 2) To recycle .5 tons of recyclables per month per container, 3) To provide supportive employment opportunities for our clients, 4) To gain an additional five businesses through our project promotion.

The goals and objectives for this grant will be obtained through a combination of program promotion and word of mouth from current program customers. Program promotion will be conducted primarily by the Tenco staff, however, the Recycling Coordinator from the Ottumwa/Wapello Recycling Center also speaks to groups about the Tenco service. Additionally, the quality of the Tenco service has attracted other businesses to our service. It would be expected that this will continue to happen, particularly with the entities that would be utilizing the storage sheds. Measurements for this program will be done as they are currently being done, weighing in and out at the Recycling Center scales. Logs are currently kept, and will be continued on the amount of materials collected during the Tenco business route each day. This will enable Tenco to keep accurate measurements of the amounts of recyclables collected each day.

The addition and expansion of this project will be sustained and justified by the need of this planning area to reduce the amount of materials going into the local landfill. As was pointed out earlier, the majority of the waste going into the Ottumwa/Wapello County Landfill is generated by businesses. To meet the reduction goals set forth by the state, commercial entities will have to begin recycling. Tenco will be providing a necessary service that should increase the amount of recyclables from area businesses.

Deliverables for this project will include a brochure, designed to interest area businesses about recycling as well as educate them about the Tenco program. An increase in the amount of recyclables from commercial entities and a more educated work force will also be a deliverable for this project. The other deliverable will be the storage sheds.

The participants in this project are very knowledgeable about recycling. All participants have been involved in the current Tenco collection service for the past year. Other participants include the staff of the Recycling Center. While Tenco has only been involved with the collection of recyclables for a year, the supervisor and crew have been working in the Recycling Center and with recyclables for more than six years.

Project Impact

Several materials will be targeted for collection in this program. Newspaper, catalogues, magazines, phonebooks, corrugated cardboard and a wide variety of office paper will be the primary items collected. However, if businesses have a desire to recycle other items and generate a large enough quantity to make marketing feasible, those items will be collected too. Initially, the goal for this project is to collect 1/2 a ton per month from the customers who are utilizing the storage sheds, or 5 tons per month. Once the objective to add five more small business customers has been achieved, Tenco should be collecting approximately 3 tons more per month. While the tonnage collected should increase monthly, Tenco expects to be collecting 8-10 tpm additional material by the end of the grant program.

Costs associated with this material will be rather low. Even with all of the capital costs absorbed during the first year, the cost per ton would be \$150.00 per ton, with out any diversion savings. In five years Tenco would expect the tonnage from these businesses to increase 120 tpy at a cost of \$71.00, again without any diversion savings. Ten years down the road it would be estimated that the cost per ton would be similar to five year figure due to raising costs of staff.

The materials targeted for collection are not toxic in any way. However, there is the possibility that Tenco would be collecting florescent light bulbs and ballasts from light fixtures. All of these materials would be taken, at an additional cost to the business, to the Ottumwa/Wapello Recycling Center for proper disposal.

As the materials that Tenco collects have long-term stable markets, little if any market effect would occur.

This project is very replicable. The success and ease of this program would make duplicating it very easy. Additionally, the items used are widely available. It is, however, an easier program for Tenco to do with its employees because revenue is nonexistent for materials generated in this program. Tenco would encourage other sheltered workshops to become involved in the recycling collection service if the need existed in their community.

Finally, as stated before, this project is sustainable, due in part to the need for all entities to reduce the amount of materials going into the local landfill. Also, this request is for an expansion, the program is already established, making sustainability less of an issue.

Tenco looks forward to continuing to provide a dependable collection service for businesses throughout the Ottumwa area. With the assistance of the DNR, Tenco will expand its current service to large entities and will aid in the reduction efforts already taking place.