Organization Name: Angel of Shavano Recycling, LLC

Project Title: *Chaffee County Recycling Container Expansion Projec*t

Name of Project Coordinator: Mickey Barry

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Report Completed By: Mickey Barry

Total Amount of Funds received: $77,815
Total Matching/In Kind: $14,160
Total Project Costs: $91,975

Deliverable	Completion Date	Comments
Order equipment prepare signage	8/15/2010	
Receive containers and launch	11/15/2010	

Executive Summary

Our project was to upgrade the cardboard collection from a trailer setup to a roll-off system which would then provide more trailers to improve the plastic collection. The RREO funds provided for us to purchase 10 30yd roll-off containers and a trailer to haul them with. After the cardboard trailers were replaced they were to re-signed to be used as plastic collection. The goal of the project was to continue free collection 1-7 plastic and improve the collection process of cardboard and lower the costs involved. We have been successful in improving the cardboard collection and have increased the volume collected from years past. We have also heard nothing but compliments on the quality of the containers to the point that people have said they recycle cardboard now because of the containers.

The challenges we have encountered have been mostly with other companies we were purchasing equipment and signage from. Our signs for plastic took over 6 months to get made and the trailer needed almost a months worth of labor to make it feasible. These challenges did not halt any progress and the program is able to move forward. As of August 1 2011 the plastic collection will go from 1-7 plastics commingled in all trailers to; one trailer for 1-2 plastics, one trailer for 3-7 plastics, and one trailer for plastic bags.

To date the success of the program is increased cardboard collection and a more positive view of the program to the public.

Project Description

The goals of the project were to increase cardboard recycling, and continue free recycling of plastics 1-7. We were able to purchase all equipment needed from grant funds and the extra costs were paid for by Angel of Shavano Recycling. We purchased a trailer which needed multiple additions in order for it to function properly. Ten roll-off containers were purchased to replace the cardboard trailers which were then made into plastic collection trailers. Chaffee County recycling needed this program in order to continue recycling of plastic containers 1-7 whose markets have dwindled so much it was no longer feasible to provide this collection without source separation. To date we have struggled to get the plastic arm of the program off and running due to various internal struggles with our company, but we have the program starting August 1, 2011. The cardboard collection has increased greatly and the larger containers are able to hold more volume which increases use. The public has expressed that the roll-offs are easier to use than the trailers were and have requested more for other materials.

Summary of Findings & Results

The response from the community is positive in the cardboard collection. The plastic collection has not changed yet due to delays in signage and other internal roadblocks that were addressed and have been overcome. The trailer we purchased also required more work and time than we anticipated. To date cardboard collection has increased from years past and costs associated with processing have gone down. As of August 1, 2011 we have successfully implemented the sorting of plastics by number at our free drop-sites. The program is still in the beginning stages but the sort has already seen improvement. It is too early to tell if the volumes will go up or down, however the quality of the product as greatly improved. As weights are now shifted from 1-7 plastics to 1-2, 3-7, and Plastic bags; we cannot tell if there has been a loss or increase in collection. Collection rates per week have stayed the same (how many times we go to the sites and empty the trailers) however all around volume has declined slightly. This decline in volume can be due to many things including the fact that landfill trash rates have also seen a decline in Chaffee County. We must base our success on the quality of product which will ensure the collection of plastics 1-7 at no cost to the public.

Summary of Unanticipated Roadblocks

The roadblocks that we ran into were the trailer not being what we were told it was, and our sign maker taking 6 months to make our signs. The trailer required a new power system to be added to it in order for it to be able to haul more the one container. After a long process of looking for answers from the company we purchased it from we found that we were not the first to have this problem and it was our word against theirs. This did not stop us from getting the new bins out only caused us to have a delay in getting the first few containers out. Our signage was a victim of powder days and we have since found a new sign maker. These roadblocks did not halt the program only delayed the release of the new plastic trailers. We were able to continue collecting plastic mixed 1-7 so there was no stop in the service. Costs associated with fixing these problems were fund within the company's revenue stream and were not great enough to cause any big loss.

Communication of Project Findings

We have had numerous articles in the local newspaper and interviews with the local radio stations. These outlets have proved to reach a broad audience in the community. We also accept any phone call questions as all our trailers and containers have a direct line phone number. Once a month Angel of Shavano Recycling provides an in depth report of recycling in Chaffee County to the Chaffee County Commissioner's Landfill Committee. Quarterly reports are also reported on tonnage Angel of Shavano Recycling processes. We are also working on fliers to distribute to the public explaining the plastic sorting process. Angel of Shavano Recycling is willing to report on the project at any CAFR and has presented at the Summit in June 2010.

Future Impact of the Project

This program has insured the continuation of free recycling drop sites for the Chaffee County community. As Angel of Shavano Recycling grows so will this program. We have already begun planning to use the roll-off system for other materials and we have solid markets for plastic 3-7 and 1-2 as well as plastic bags. We have also become a sort of model for other rural communities. Custer County is using us as a guide to advance recycling in their community. We have also heard from Leadville and Park County also interested in our program. This has also allowed us to start a partnership with Waste Management to get curbside recycling going in Salida. We are in the beginning phase of a new weight tracking system at our facility which will help us to get more accurate weights for reporting and trend following.

Financial Summary

Grant Budget Table

Description	Grant Funds Spent	Matching/In Kind Amount (if any)	Total Amount
Personnel Salaries	$0.00	$14,160	
Fringe Benefits	$0.00		
Tuition/Fees	$0.00		
Travel Costs	$0.00		
Materials/Supplies/Equipment(under $5000)	$3,000.00		
Equipment Purchases (over $5000)	$74,815.00		
Contractors/Subcontractors	$0.00		
Consultants	$0.00		
Training/Education	$0.00		
Marketing/Advertising	$0.00		
Other Direct Costs	$0.00		
Indirect Costs	$0.00		
Total Project Cost:	**$77,815.00**	**$14,160**	**$91,975**

Total award amount: $77,815.00

For the ten (10) month portion of the project where collection, processing, and marketing will occur (to document the increased economic contribution and environmental benefit of the project), ASR is estimating (and contributing as in-kind match) the labor required for completing the project. This is estimated as follows:
Materials Collection: 40 weeks, 12 hours per week, $12 per hour: $5,760
Materials Processing: 40 weeks, 17.5 hours per week, $12 per hour: $8,400

We were able to maintain this estimate.

Conclusion

The *Chaffee County Recycling Container Expansion Projec*t has been met with many challenges and we have endured through them all to create success. Recycling volumes have increased, and more people are using the sites because of the new containers. We were successful in expanding the cardboard recycling portion of the project and have seen gradual success in the plastic separation portion which started on August 1, 2011. This program has not only created better recycling for the public but has renewed Angel of Shavano Recycling's ability to grow again and become a more successful company.

Grant Metrics

Date project fully operational: August-11

(Based on deliverables- month that impact of grant would have changed volumes/job creation/participants)

Diversion Rates:

(Choose one material per box. Only list those collected over the grant cycle. Must be listed as "tons". See tab labeled "Conversion Tables" if needed.)

Material Diverted #1: Cardboard

	Tons Diverted
July-10	66 tons
August-10	66 tons
September-10	46 tons
October-10	45 tons
November-10	66 tons
December-10	92 tons
January-11	45 tons
February-11	45 tons
March-11	45 tons
April-11	45 tons
May-11	45 tons
June-11	45 tons
Total	**650**

Other div. material:

Material Diverted #2: Plastics (#1-7)

	Tons Diverted
July-10	20 tons
August-10	20 tons
September-10	20 tons
October-10	20 tons
November-10	20 tons
December-10	20 tons
January-11	20 tons
February-11	20 tons
March-11	20 tons
April-11	20 tons
May-11	20 tons
June-11	20 tons
Total	**240 tons**

Other div. material:

Material Diverted #3:

	Tons Diverted
July-10	
August-10	
September-10	
October-10	
November-10	
December-10	
January-11	
February-11	
March-11	
April-11	
May-11	
June-11	
Total	**0**

Other div. material:

Material Diverted #4:

	Tons Diverted
July-10	
August-10	
September-10	
October-10	
November-10	
December-10	
January-11	
February-11	
March-11	
April-11	
May-11	
June-11	
Total	**0**

Other div. material:

Material Diverted #5:

	Tons Diverted
July-10	
August-10	
September-10	
October-10	
November-10	
December-10	
January-11	
February-11	
March-11	
April-11	
May-11	
June-11	
Total	**0**

Other div. material:

Material Diverted #6:

	Tons Diverted
July-10	
August-10	
September-10	
October-10	
November-10	
December-10	
January-11	
February-11	
March-11	
April-11	
May-11	
June-11	
Total	**0**

Other div. material:

Material Diverted #7:

	Tons Diverted
July-10	
August-10	
September-10	
October-10	
November-10	
December-10	
January-11	
February-11	
March-11	
April-11	
May-11	
June-11	
Total	**0**

Other div. material:

Material Diverted #8:

	Tons Diverted
July-10	
August-10	
September-10	
October-10	
November-10	
December-10	
January-11	
February-11	
March-11	
April-11	
May-11	
June-11	
Total	**0**

Other div. material:

End use of diverted materials:
(Describe where materials are going
[e.g., MRF, new products, reuse])

Cardboard: After baling all cardboard is sent to Republic Paperboard in Lawton, OK which is then made into the brown paper backing for drywall.

Number of Permanent Jobs Created: 1

(Include full-time & part time paid positions.
1 FTE = 2080 Hours Worked)

Type of Permanent Job(s) Created:

(Provide titles of jobs created)

Vehicle and trailer for the cardboard collection requires a CDL license driver and we have not had that position before.

Average Salaries of Jobs Created: $15,001 - $30,000

(Average of all jobs created)

Average Monthly Customers for FY 2010: N/A

(July 1, 2009 - June 30, 2010)

Average Monthly Customers for FY 2011:

(Estimate or customer lists)

	Ave. Monthly Amount
July-10	
August-10	
September-10	
October-10	
November-10	
December-10	
January-11	
February-11	
March-11	
April-11	
May-11	
June-11	
Ave. / FY 11	**#DIV/0!**