



Twin Landfill Corporation of Fremont County

07/17/2015

Recycling Resources Economic Report Opportunity Program
Grant project Final Report.

Organization Name : Twin landfill Corp of Fremont County DBA "Twin Enviro Services"
Project Title: "Twin Enviro Recycling Expansion in Fremont County"
Project Coordinator: Gary Fuselier
Report completed by : Gary Fuselier
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Twin received notice of award of the grant on April 25, 2014. We immediately ordered scales from Mettler Toledo and started an add-on to the existing office for a scale house. Site prep for scales and scale house was completed on 7/1/14. Scale house was completed on 7/15/14. Scales arrived, installed and operational by 7/20/14. Scale computer program was not without difficulty. The program that arrived with the scales was not what we needed, Correct program was ordered and installed by mid August, this resulted in additional cost of \$1800.00 paid by Twin outside of grant funds.

Site prep for baler building was completed and erection of baler building was started on 10/10/14 and completed on 11/01/14. Baler building design was changed from a fabric type to a pole, hard sided structure. Building permits escalated from \$3000.00 to \$4600.00. Twin then installed "pro-panel" type of siding to this structure.

As it turned out this was very good design when Twin purchased incline and sort station from EDS Waste Solutions thru CDPHE RREO program. This sort equipment was another in-kind cost of \$52,000. Dismantling and moving this equipment from Evergreen, Co. was performed by Twin Personnel with an added cost of approx \$20,000.

This then gave Twin a "Mini-Mrf" with the ability to sort and bale recyclables.

Baler arrived and was installed by 3/18/2015. The mini-mrf was in full operation by 4/1/2015. To date 45 tons have been baled and awaiting shipment to market.

Challenges have been many and varied.

Curbside collection for single-stream has grown from 250 customers to 420 currently. Twin has reached out to Custer County with a plan for a drop-off in Westcliffe, Co. Westcliffe would then deliver to Twin's MRF in Penrose. Also trash collectors have been contacted in Pueblo, Co interested in starting a single-stream route in Pueblo or Pueblo West. As of this date A-Affordable seems to be the only company interested. Cardboard containers have been set at customer locations with a small increase in the number of customers. Twin is actively pursuing residential and commercial customers to add re-cycling to current service.

Twin received a call from two Computer recycler's interested in baling the plastic cases from computer monitors and TV's. This was tried and seems promising.

In conclusion, the dismal commodity market is hampering recycle efforts forcing small MRF's to "set" on product hoping market will increase. To date we have seen a very modest increase.

A major setback in this small recycle market is due to a competitor also setting up and operating a MRF. The amount of recyclables collected in Fremont County will be stretched very thin to support two MRF's.

A key issue for recycling in these outlying areas of Colorado is education of residents of the importance of recycling! We are slowly gaining ground with this message.

Goals for the next 6 months are increasing awareness to the public by print ads, radio ads, and an education /presentation campaign to all the local schools.

Offer incentivizes to residential and commercial customers to encourage recycling ie: free single stream recycling container for all commercial trash customers, not just for cardboard. Reduced rate for curbside trash customers for a recycling tote. (in conjunction with trash collection.)

Currently we have purchased 300 additional recycling toter lids. Instead of purchasing additional toters we change a normal green lid from a trash toter to a yellow "Recycle Only" lid.

To date 10 additional containers for commercial customers who recycle, have been placed.

Twin has a number of recycle containers for The City of Canon, placed at different locations.

IE: Police stations, City Shops, City office complex. This was furnished to The City of Canon at no charge.

Twin also operates a free drop-off site at the new "MRF" for any residents of the area who wish to recycle.

How do you eat an elephant? One bite at a time.

Thank You,
Gary Fuselier
President

Twin landfill Corp of Fremont County DBA: "Twin Enviro Services"
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Appendix:

Community Leaders contact information:

Mike Patterson.. City Manager.. City of Florence, Colorado

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City of Cañon City
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II. WORK PLAN

Please use the format provided in the table below for your goals and objectives as listed in Exhibit B of your contract. Indicate the date each deliverable was completed or briefly describe why the deliverable was not completed.

Deliverable	Completion Date	Comments <i>(if deliverable was not completed, please explain why and what progress has been made)</i>
Acquire County building permits	7/22/14	
Apply for CDPHE permits	6/6/14	
Hire 3 Laborers through Colorado Workforce	12/20/14	
Vehicle scale purchased	8/20/14	
Computer/Printer purchased	8/20/14	
Scalekeeper hired through Colorado Workforce	7/1/14	
Site prep complete	7/15/15	
Electrical installed	Feb 4, 2014	
Scale installed	8/20/14	
6-month calibration/maintenance	2/14/15	
Building Purchased	11/13/14	
Site prep and compaction	10/24/2014	
Concrete pad poured	10/28/2014	
6-foot walls built		Building design was changed to a pole type building. This type building allowed to install and operate sort equipment purchased from CDPHE/EDS



Baler building complete	11/01/14	
Baler purchased	6/11/2014	
Hire 2 baler operators through Colorado Workforce	3/1/2015	
Additional electrical installed in building	Feb 4 2014	
Baler delivered & installed	12/1/14	
Staff trained	3/15/15	
Place 300 single-stream recycling Toters	6/1/15	This is still an on-going process. To date Twin has 412 single stream customers and growing slowly.
Place 50 cardboard dumpsters		To date we have 20 customers for cardboard only. Due to increased competition from a competitor who also installed a MRF this is going slowly.
Place 20 glass dumpsters		Twin decided to allow glass in our single-stream collection, this negated the need for additional glass containers.



Grant Budget Table

Description	Grant Funds Spent	Matching/In Kind Amount (if any)	Total Amount
Personnel Salaries	\$0.00	\$70,342.40	\$70,342.40
Fringe Benefits	\$0.00	\$14,068.48	\$14,068.48
Tuition/Fees	\$0.00	\$0.00	\$0.00
Travel Costs	\$0.00	\$0.00	\$0.00
Materials/Supplies/Equipment(under \$5000)	\$0.00	\$4998.00	\$4598.00
Equipment Purchases (over \$5000)	\$178,736.00	\$52,000	\$230,736.00
Contractors/Subcontractors	\$0.00	\$25,871.00	\$25,871.00
Consultants	\$0.00	\$1026.00	\$1026.00
Training/Education	\$0.00	\$2500.00	\$2500.00
Marketing/Advertising	\$0.00	\$1200.00	\$1200.00
Other Direct Costs	\$52,270.00	\$6000.00	\$58,270.00
Indirect Costs	\$0.00	\$0.00	\$0.00
Total Project Cost:	\$231,006.00	\$178,005.88	\$408,611.88

Total award amount: \$231,006

Once final reimbursements are submitted and approved, adjust the “Grant Funds Spent” column to reflect all funds spent during the grant cycle. Please add all matching/in kind funds spent during the project. Refer to your scope of work for the amount of matching/in-kind funds you committed for this project. This table must be included in your final report in the “Financial Summary” section.

Grant Metrics Table

Date project fully operational (if applicable): April-15

Based on deliverables. Provide the month during which the grant project increased diversion/created jobs/increased number of customers.

Diversion Rates:

Choose one material per blue box from the drop-down menu provided. If your material is not listed, enter a description in the "Other" box. Only list materials diverted as a direct result of the grant project. Must be listed in tons. See tab labeled "Conversion Tables" if needed.

Material Diverted #1	Aluminum / Steel cans
"Other" Material:	
Tons Diverted	
July-14	
August-14	
September-14	
October-14	
November-14	
December-14	
January-15	
February-15	
March-15	
April-15	0.5
May-15	
June-15	1.22
Total	1.72

Material Diverted #2	Plastics (#1-7)
"Other" Material:	
Tons Diverted	
July-14	
August-14	
September-14	
October-14	
November-14	
December-14	
January-15	
February-15	
March-15	
April-15	
May-15	
June-15	3.51
Total	3.51

Material Diverted #3	Scrap metal
"Other" Material:	
Tons Diverted	
July-14	
August-14	53.44
September-14	
October-14	
November-14	
December-14	
January-15	6.31
February-15	
March-15	
April-15	4.56
May-15	
June-15	7.63
Total	71.94

Material Diverted #4	Glass
"Other" Material:	
Tons Diverted	
July-14	0
August-14	0
September-14	0
October-14	0
November-14	0
December-14	0
January-15	0
February-15	0
March-15	0
April-15	0.1
May-15	0.1
June-15	0.1
Total	0.3

Material Diverted #5	Newspaper/Office paper
"Other" Material:	
Tons Diverted	
July-14	
August-14	
September-14	
October-14	
November-14	
December-14	
January-15	
February-15	
March-15	
April-15	1.5
May-15	
June-15	15.51
Total	17.01

Material Diverted #6	Cardboard
"Other" Material:	
Tons Diverted	
July-14	
August-14	
September-14	
October-14	
November-14	
December-14	
January-15	
February-15	
March-15	
April-15	
May-15	
June-15	13.64
Total	13.64

Material Diverted #7	Electronics (CPUs, TVs, etc.)
"Other" Material:	
Tons Diverted	
July-14	0.5
August-14	0.6
September-14	0.4
October-14	0.3
November-14	0.5
December-14	0.6
January-15	0.3
February-15	0.2
March-15	0.3
April-15	0.1
May-15	0.2
June-15	0.3
Total	4.3

Material Diverted #8	TV & Computer plastic cases
"Other" Material:	
Tons Diverted	
July-14	0
August-14	0
September-14	0
October-14	0
November-14	0
December-14	0
January-15	0
February-15	0
March-15	0
April-15	0
May-15	0
June-15	0.48
Total	0.48

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

Sorted and baled at MRF then sent to various brokers for reuse. Glass is reused at the landfill for drain layer in construction of new cells.

Number of Permanent Jobs Created:
Include full-time & part time paid positions.
1 FTE = 40 Hours Per Week

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Type of Permanent Job(s) Created:
Provide titles of jobs created

MRF Lead- 1 F/T... MRF sort line 4- P/T employees... Scale keeper- 1 F/T

Average Salaries of Jobs Created:
Average of all jobs created

\$15,001 - \$30,000

Average Monthly Customers:
Estimate or refer to customer list

Free Drop-off	Avg. Monthly Amount
July-14	550#
August-14	
September-14	
October-14	
November-14	
December-14	
January-15	14-740#
February-15	9- 540#
March-15	41-2530 #
April-15	24-940#
May-15	17-1820#
June-15	36-3320#
Avg / FY 15	1648.33 #

Curb Single Stream Collection
of customers

July-14	424
August-14	425
September-14	430
October-14	431
November-14	429
December-14	424
January-15	424
February-15	396
March-15	409
April-15	403
May-15	415
June-15	405
Avg / FY 15	418

TWIN ENVIRO SERVICES

Twin Landfill Corporation of Fremont County

Twin Enviro Services is excited to announce single stream curbside recycling is available to all residents of Canon City, Florence and Penrose. Our Materials Recovery Facility (MRF) is now operating at our Penrose site. Our curbside collection recycle program means that recyclable commodities will be able to be placed in a single container. The container will be a 95 gallon plastic tote with a yellow lid. This will be offered as a curb side service with a bi-weekly pickup (every other week). This service will be in addition to our weekly trash collection service and is only available with our trash service.

All recyclables from curbside collection and our free drop-off site will processed thru our MRF and baled !

All cans, milk jugs, detergent bottles, glass bottles, jars, yogurt containers, butter tubs, **MUST BE rinsed before placing in recycle container. Please remove all lids and place separately in container**

Here is a list of what may be placed in this container:

Newspaper (including inserts)	Corrugated Cardboard	Office Paper
Mixed Paper	Chipboard (Cereal and Tissue Boxes)	Brown Paper Bags
Phone Books	Plastic (#1 through #7)	Aluminum Cans
Steel or Tin Cans	EMPTY Aerosol Cans	Glass Bottles and Jars
Aluminum Foil	Pie Tins	Detergent Bottles
Plastic Milk Jugs	Magazines	Bulk or Junk Mail
Yogurt Containers	Butter Tubs	
Vitamin Bottles		

PLEASE DO NOT PLACE THE FOLLOWING ITEMS IN RECYCLE CONTAINER

Items NOT accepted:

***NO Plastic Bags* *NO Plastic Egg Cartons* *NO six pack ring holders*
No Shredded Paper *NO STYROFOAM* *NO ELECTRONICS*
NO Plastic Bottle Caps * No Metal Glass Jar Lids***

If using plastic bags to store recyclables Please remove from plastic bag, before placing into container. Only recyclables, no plastic bags!

Twin Enviro will recycle tires, oil, large steel and electronics at our facility at 2500 C.R. 67, Penrose, CO, The Phantom Landfill.

Twin also offers:

**Single use, construction or full-time Roll-off service, 10 to 30 cy containers.
Septic tank pumping and disposal, grease and sand trap pumping,
Portable Toilets and Hand wash stations**

If you have any questions? Call 719-372-6671

Corporate Office: P.O. Box 774362 ▪ 1049 Crawford Avenue
Steamboat Springs, Colorado 80477 ▪ voice 970/875-0355 ▪ fax 815/301-2645
www.twinenviro.com ▪ lliman@twinenviro.com
Phantom Landfill ▪ 2500 Fremont County Road 67 ▪ Penrose, Colorado 81240
site phone 719/372-6671 ▪ site fax 815/377-2495 ▪ gfuselier@twinenviro.com



Twin Landfill Corporation of Fremont County



Phantom Landfill
2500 County Road 67
Penrose, CO 81240

Here at Twin Enviro Services we have the environment on our mind at all times! Beginning in March 2013 we will be offering curbside Recycling. To help make this transition process easy for our customers we are providing you with a list of items that can be recycled.

- Office Paper (NO SHREDDED PAPER)
- Newspaper and ads (ALL are ok)
- Magazines (Not the plastic they are wrapped in)
- Phone Books
- Brown Paper Bags (NO PLASTIC BAGS)
- Corrugated Cardboard (NO WAX-LINED CARDOBOARD)
- Cereal and Tissue boxes
- Bulk or Junk Mail
- Steel or Tin Cans
- Aluminum Foil
- Aluminum soda cans
- Empty Aerosol Cans
- Pie Tins (NO STYROFOAM or PLASTIC PLATES)
- Glass Bottles and Jars
- Detergent Bottles (Laundry)
- Plastic Milk Jugs (NO PLASTIC SIX PACK HOLDERS or PLASTIC EGG CARTONS)
- Yogurt Containers (Please rinse first)
- Butter Tubs
- Vitamin Bottles
- Plastic (#1-#7)

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site phone 719/372-6671 ▪ site fax 815/377-2495 ▪ phantom@twinenviro.com

Bins will be given to customers who are interested in adding recycling to their current trash account. This will be “single stream” recycling. This means that you can put all of your recyclables in one container and Twin Enviro will pick them up. Please call the office today to get started on a better tomorrow!!

719.372.6671

