



County of Los Alamos

1000 Central Avenue
Los Alamos, NM 87544

Agenda - Final Environmental Sustainability Board

John Bliss, Chair; Sarah M. Terrill, Susan Barns, Rebecca Chamberlin, Erik Loechell, James Robinson, and Danny Katzman, Members

Thursday, March 16, 2017

5:30 PM

1000 Central Avenue, Suite 110

1. **CALL TO ORDER - ROLL CALL**

2. **PUBLIC COMMENT**

This section of the agenda is reserved for comments from the public on items that are not otherwise included in this agenda.

3. **APPROVAL OF AGENDA**

4. **APPROVAL OF MINUTES**

[9166-17](#) Approval of the February 16, 2017, Environmental Sustainability Board Minutes

Presenters: John Bliss

Attachments: [A - Draft ESB Minutes February 16, 2017](#)

5. **BOARD BUSINESS**

[9180-17](#) Food Waste Collection Presentation

Presenters: Erik Loechell

Attachments: [B - Food Waste Collection Presentation](#)
[C - Example Compost Flier](#)

[9221-17](#) Discuss Environmental Services Rate Increase and Rate Change

Presenters: John Bliss

Attachments: [F - Save As You Throw Information](#)
[G - FY17 Environmental Services Budget Performance](#)
[H - Commercial Dumpster and Roll-Off Information](#)
[I - Save As You Throw Rate Structure](#)

[9169-17](#) 2017 Earth Day Events

Presenters: Angelica Gurule

[9220-17](#) Follow Up for Famine to Feast Collection Containers

Presenters: James Robinson

Attachments: [E - Quote for 18-Gallon Collection Containers](#)

6. COMMITTEE/SUBCOMMITTEE REPORTS

A. Chair's Report

B. Liaison's Reports

- 1). Board of Public Utilities
- 2). Planning and Zoning Commission
- 3). Transportation Board
- 4). Parks and Recreation Board
- 5). County Council Liaison

7. STAFF REPORT

[9219-17](#) Los Alamos Public School Subcommittee Update

Presenters: Angelica Gurule and Erik Loechell

[9167-17](#) February 2017 Residential Sustainability Report

Presenters: Angelica Gurule

Attachments: [D - Residential Sustainability Report - February 2017](#)

8. PREVIEW OF UPCOMING AGENDA ITEMS

9. ADJOURNMENT

If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing or meeting, please contact the County Human Resources Division at 662-8040 at least one week prior to the meeting or as soon as possible. Public documents, including the agenda and minutes can be provided in various accessible formats. Please contact the personnel in the Community Services Administration Office at 662-8163 if a summary or other type of accessible format is needed.



County of Los Alamos

Staff Report

March 16, 2017

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: John Bliss

Legislative File: 9166-17

Title

Approval of the February 16, 2017, Environmental Sustainability Board Minutes

Recommended Action Motion

I move that the Environmental Sustainability Board approve the February 16, 2017, minutes as presented.

Or

I move that the Environmental Sustainability Board approve the February 16, 2017, minutes as amended.

Body

The ESB will review and approve the February 16, 2017, Environmental Sustainability Board Minutes.

Attachments

A - Draft ESB Minutes February 16, 2017



County of Los Alamos

1000 Central Avenue
Los Alamos, NM 87544

Minutes

Environmental Sustainability Board

John Bliss, Chair; Sarah M. Terrill, Susan Barns, Rebecca Chamberlin, Erik Loechell, James Robinson, and Danny Katzman, Members

Thursday, February 16, 2017

5:30 PM

1000 Central Avenue, Suite 110

1. CALL TO ORDER - ROLL CALL

The ESB Chair, John Bliss, called the meeting to order at 5:32 PM.

The following members were in attendance:

Present: Member Terrill, Member Katzman, Member Barns, Member Loechell,
and Member Chamberlin

Absent: Member Robinson

2. PUBLIC COMMENT

None

3. APPROVAL OF AGENDA

A motion was made by Member Terrill, seconded by Member Katzman, that the February 16, 2017 agenda be approved as presented.

The motion passed unanimously.

4. APPROVAL OF MINUTES

[9086-17](#)

Approval of the January 19, 2017, Environmental Sustainability Board Minutes

Attachments: [A - Draft ESB Minutes January 19, 2017](#)

A motion was made by Member Katzman, seconded by Member Barns, that the January 19, 2017 minutes be approved as presented.

The motion passed unanimously.

5. BOARD BUSINESS

[9108-17](#)

Fancy Fiddle Auction - An Instrumental Upcycling Presentation

Attachments: [F - Fancy Fiddles Flyer](#)

Michelle Rosette, of the Los Alamos Public Schools Orchestra Program, presented on the Fancy Fiddle Auction to be held on February 18, 2017 all of the instruments were to be disposed and Michelle worked with local artists to have them transformed into art

pieces to be auctioned.

9107-17**GEM*STAR Demonstration Subcritical Reactor for Los Alamos County**

Attachments: [E - GEM STAR Demonstration Subcritical Reactor for Los Alamos County](#)

Dr. Charles Bowman presented to the ESB on GEM*STAR Subcritical Reactor for Los Alamos County. The technology at this point is conceptual.

9112-17**Discuss the Outcome of the Brush and Bulk Item Recommendation Presentation Provided to County Council**

ESB Chair, John Bliss, informed the ESB of the outcome of the recommendation the board presented to County Council. County Council approved the recommendation 7 to 0. Councilor Sheehey stated "it is a testament to the good work the board did."

9088-17**Finalize and Approve the FY18 ESB Work Plan**

Attachments: [C - Council's Strategic Goals](#)
[B - FY18 ESB Work Plan - Draft](#)

The FY18 ESB Work Plan was reviewed and discussed.

The ESB amended the plan as presented and voted on final approval.

A motion was made by Member Chamberlin, seconded by Member Katzman, that the FY18 Work Plan be approved as amended.

The motion passed unanimously.

6. COMMITTEE/SUBCOMMITTEE REPORTS**A. Chair's Report**

John Bliss, ESB Chair, informed the Board that he had the opportunity to meet with two members from Santa Fe Sierra Club. They toured the Eco Station and were impressed with the recycling program.

1). Board of Public Utilities - Sue Barnes

Sue Barnes, ESB Member, reported that items covered were the quarterly conservation update and the draft FY18 Work Plan. Los Alamos County now has an additional half megawatt of electricity from solar power generation and discussed the long range water supply plan.

2). Planning and Zoning Commission - James Robinson

Member Robinson was absent.

3). Transportation Board - Rebecca Chamberlin

Rebecca Chamberlin, ESB Member, reported that the Transportation Board focused on the FY18 Work Plan and connectivity of trails and paths.

4). Parks and Recreation Board - Erik Loechell

Erik Loechell, ESB Member, reported that the Parks and Recreation Board discussed Council Bond projects as well as the proposed RV Park.

5). **County Council Liaison - Pete Sheehey**

Pete Sheehey, County Council Liaison, commended the ESB on the excellent job done on the Brush and Bulk Collection Program recommendation.

7. **STAFF REPORT**

9087-17 January 2017 Residential Sustainability Report

Attachments: [D - Residential Sustainability Report - January 2017](#)

Angelica Gurule, Staff Liaison, presented the Residential Sustainability Report to the ESB, and noted the 4% increase in diversion correlates to the collection of brush material for the Brush and Bulk Collection Program.

9110-17 Review Environmental Services Budget Performance for FY2017

Attachments: [G - FY17 Environmental Services Budget Performance](#)

Angelica Gurule, Staff Liaison, Presented the Environmental Services Budget Performance for FY17 to the ESB. The board asked for an update at the March ESB meeting

9111-17 Review 2016 NMED Solid Waste Annual Reports

Attachments: [H - 2016 NMED Annual Report for Eco Station](#)
[I - 2016 NMED Annual Report for Los Alamos County Closed Landfill](#)

Angelica Gurule, Staff Liaison, presented the 2016 NMED Solid Waste Annual Report to the ESB.

8. **PREVIEW OF UPCOMING AGENDA ITEMS**

Earth Day Celebration Booth - by Sue Barns
Food waste recycling - by Erik Loechell
Possible rate increase
Cost revenue data on roll-off and dumpster programs
Clean Up Los Alamos Day
Bike to work week

9. **ADJOURNMENT**

A motion was made by Member Chamberlin, seconded by Member Barns, that the meeting be adjourned.

The meeting adjourned at 7:20 PM.

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County of Los Alamos

Staff Report

March 16, 2017

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Erik Loechell

Legislative File: 9180-17

Title

Food Waste Collection Presentation

.Recommended Action

N/A

Board, Commission or Committee Recommendation

N/A

Body

ESB member Erik Loechell will provide a presentation regarding food waste collection programs focusing on the cities of Berkeley and Madison.

Attachments

B - Food Waste Collection Presentation

C - Example Compost Flier



Food Waste Collection- Berkeley and Madison

Presented by Erik Loechell

City of Berkeley Plant Debris & Food Waste Collection Program



- Utilizes a 2.5 gallon kitchen container, and the brush/bulk container for curbside collection
- 32 or 64 gallon green roll cart for curb service (nothing over 130 lbs).
- Tote or brush/bulk container can be lined with compostable liner bags or paper (not required)
- Roll cart collection once a week
- Berkeley Transfer Station (BTS) converts organics to mulch/compost
- Website promotes backyard composting
- BTS offers free compost for residents
 - Pick-up once a month from BTS





FREE COMPOST
BERKELEY RESIDENTS ONLY
WITH PHOTO ID

LOCATION:
BERKELEY MARINA
MARINA BLVD

TIME & DATE:
THE LAST SATURDAY OF EACH MONTH
FEBRUARY THROUGH OCTOBER
(EXCEPT FOR JULY WHICH WILL BE ON THE 3rd SATURDAY (7/15) DUE TO THE KITE FESTIVAL)

Saturday ONLY no loading prior to 6:30AM

2/25, 3/25, 4/29, 5/27, 6/24, 7/15, 8/26, 9/30, 10/28



WEATHER PERMITTING



TIME:
STARTING AT 6:30 A.M. AND LASTING UNTIL THE COMPOST IS GONE

PICK-UPS MAY LOAD NO HIGHER THAN THE LIP OF THEIR BED
&
MUST TARP THEIR LOADS


SELF SERVE - PLEASE BRING YOUR SHOVELS, CONTAINERS AND SAFETY GEAR
FIRST COME - FIRST SERVED

FOR MORE INFORMATION OR RAIN CANCELLATIONS CALL
THE BERKELEY MARINA OFFICE AT (510) 981-6740.



****Warning - Compost contains decaying organic matter may be harmful if ingested by pets****

Source: 2016.
Berkeley Public
Works.
<http://www.ci.berkeley.ca.us/PlantDebris/>



City of Madison Organics Collection Pilot Program

- Utilizes a 2.5 gallon kitchen container
- Compostable bags not provided by city
- People bring tote collected food to several dumpster aggregate areas around city
- Organics not composted but brought to anaerobic digester to turn organic waste streams into biogas
- Nutrients of liquid steam used in agriculture as fertilizer
- Separate composting program

Source: 2017. City of Madison, WI.

<https://www.cityofmadison.com/streets/organics/collectOrganics.cfm>

Anaerobic Digester Facility



Source: BioFerm USA of Madison



Organic Collection Key Components

- Educate the public on program and costs
- Kitchen container
- Utilization of a 3rd bin (Brush/Bulk Bin) for food waste collection (Berkeley only)
 - US Composting bags
- Simultaneously promote household composting
- Establishment of an eco-center to process organic waste
- Food Digester possible route if:
 - Need room for digester and food storage
 - Enough organics are collected
 - Market for nutrients/biogas exists near facility

JUST BECAUSE YOU DON'T EAT IT ALL, DOESN'T MEAN IT HAS TO GO TO WASTE.

Contrary to popular belief, not all biodegradable waste should end up in a landfill. In fact, by composting organic materials, we can reduce landfill space, cut methane emissions that cause climate change, lessen leachate that has the potential to contaminate groundwater, return nutrients to the soil and even generate energy to power our city. Here's a handy guide to all the organic waste that can go into your black compost bin.



*Soiled paper like plates,
paper towels, napkins
and pizza boxes*



*Dairy products, eggs
and their shells*



*Coffee grounds, filters
and tea bags*



*Pasta, bread, cereals
and rice*



Fruits and vegetables



Meat, poultry and fish



Sauces, soup and gravy



Cake, cookies, candy



For more information call the City of Madison Streets and Recycling office
at 608-267-2626 or visit www.cityofmadison.com/streets/organics

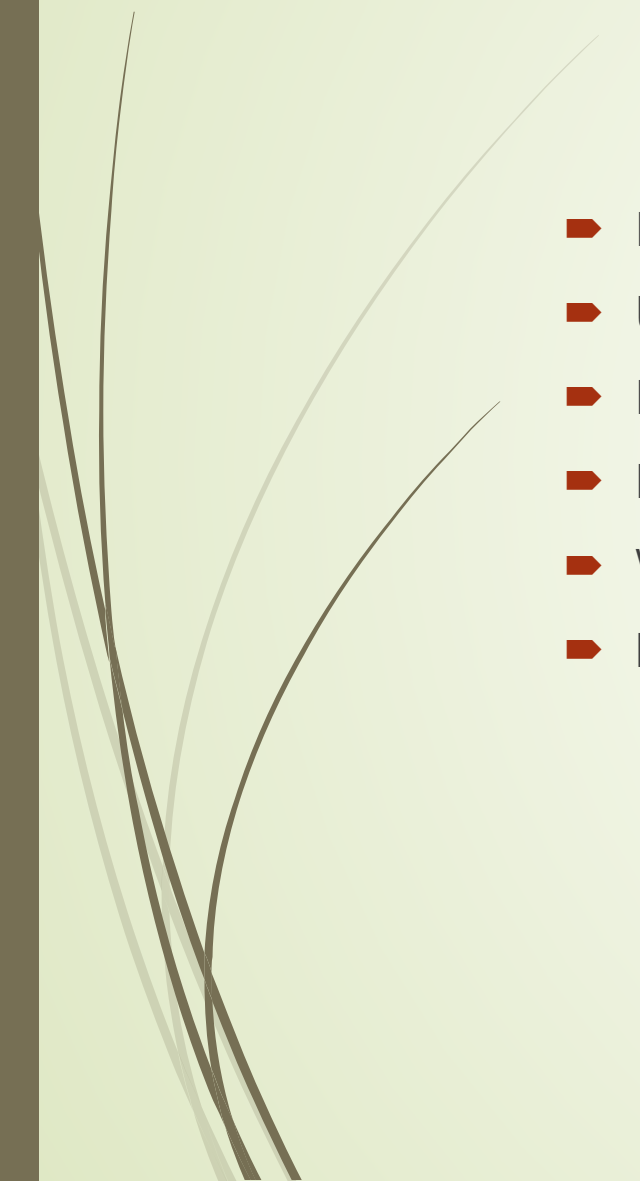


Source: City of Madison, Core Tip Sheet.

<https://www.cityofmadison.com/streets/documents/Coretipsheet.pdf>



Applicable to Los Alamos?

- Kitchen containers
 - Utilization of a 3rd bin (Brush/Bulk Bin) for food waste collection (in process)
 - Household composting possible, but... bears
 - Environmental Laws for Food Waste Collection
 - We already have an eco-center but need more capacity
 - Food Digester and composting both require land
- 



CITY OF BERKELEY

PARKS RECREATION & WATERFRONT

MARINA DIVISION & PUBLIC WORKS

2017

FREE COMPOST

BERKELEY RESIDENTS ONLY

WITH PHOTO ID

LOCATION:
BERKELEY MARINA
MARINA BLVD

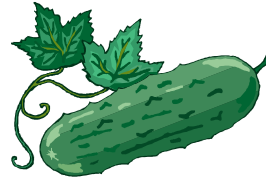
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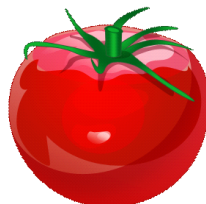


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Legislative File: 9221-17

Title

Discuss Environmental Services Rate Increase and Rate Change

.Recommended Action

N/A

Body

At the February 16, 2017, ESB meeting, the board received an update regarding Environmental Services budget performance for FY17 quarter 1 and 2. Based on the six month analysis, Environmental Services is projecting to have a \$300K deficit for FY17 operating expenses. The ESB has requested more data for commercial programs and would like to research the possibility of save as you throw as a means to obtain a balanced budget. The ESB will discuss Environmental Services rate increase and rate change.

Attachments

- F - Save As You Throw Information
- G - FY17 Environmental Services Budget Performance
- H - Commercial Dumpster and Roll Off Information
- I - Save As You Throw Rate Structure



f a c t s h e e t

PAYT/SMART Basics for Municipalities

This fact sheet presents some of the benefits and challenges associated with implementing Pay-As-You-Throw/Save-Money-And-Reduce-Trash, which the Department of Environmental Protection considers a primary vehicle for attaining the state's waste diversion goals.

About PAYT/SMART

In a Pay-As-You-Throw (PAYT) solid waste program, residents pay a per-unit fee for disposal of household trash. Most programs utilize pre-printed trash bags or stickers. The price of the bag or sticker reflects the cost to dispose of the waste. Residents are not charged a direct fee for recycling. As residents pay directly for the amount of trash they dispose, they have a financial incentive to reduce their waste through recycling, composting, and waste reduction.

Some municipalities use the name "Save Money and Reduce Trash (SMART)," for their bag or sticker programs. Whether described as PAYT or SMART, unit-based pricing programs for municipal solid waste enable municipalities to simultaneously reduce waste tonnage disposed and more equitably distribute the cost of disposal among residents.

Advantages

PAYT/SMART provides residents an opportunity to save money on their trash bills and promotes:

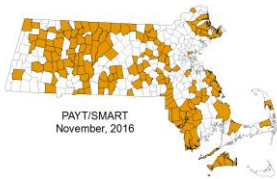
- **Fairness.** Residents pay for only the amount of trash that they generate. Households generating less trash pay less than households that generate more.
- **Decrease in Trash Tons Disposed and Associated Cost Savings.** PAYT/SMART has been shown to decrease a community's residential trash tonnage disposed by 35 to 50 percent, significantly reducing solid waste disposal costs.
- **Increased Recycling, Composting and Waste Reduction.** As residents come to understand that trash disposal costs more than recycling, they are encouraged to recycle more. PAYT/SMART programs conducted in conjunction with curbside recycling programs have been shown to increase a community's recycling tonnage by 20 to 35 percent in Massachusetts.
- **Improved Environmental Quality.** By diverting waste from disposal, PAYT/SMART programs extend the life of landfills, decrease air pollution from trash incinerators, and reduce the need for new disposal facilities. As communities increase reuse, recycling, and composting, natural resources such as land, air, and water, are protected and preserved and greenhouse gas emissions are reduced.

Types of Programs

There are three varieties of PAYT/SMART programs currently in use in Massachusetts. The systems are not mutually exclusive and can be combined to meet a community's needs. The four systems are:

- **Imprinted Trash Bags.** Residents purchase colored plastic bags imprinted with the name or seal of the municipality. The price of each bag should cover both the cost of the bag itself and the cost for disposal. Waste haulers are instructed to pick up only the specially marked trash bags.

Did you know? Over 40% of Massachusetts municipalities have PAYT/SMART programs.



Did you know? Municipalities can receive technical assistance to evaluate and implement PAYT/SMART programs. Learn more at: <http://www.mass.gov/eea/agencies/massdep/recycle/grants/smr-p-grants.html>

Did you know?

Municipalities implementing PAYT/SMART can receive grant funding. Learn more at:

<http://www.mass.gov/eea/agencies/massdep/recycle/grants/smrp-grants.html>

Massachusetts Department of
Environmental Protection
One Winter Street
Boston, MA 02108-4746

Commonwealth of
Massachusetts
Charles D. Baker, Governor

Executive Office of
Energy & Environmental Affairs
Matthew Beaton, Secretary

Department of
Environmental Protection
Martin Suuberg, Commissioner

Produced by the
Bureau of Air and Waste,
November 2016.

This information is available
in alternate format by calling
our ADA Coordinator at
617-574-6872.



- **Stickers.** Residents purchase specially marked labels or tags and affix them to their own trash bags or barrels. Different sticker colors may indicate different volumes of waste being disposed.
- **First Bag or Barrel Free.** This is considered a hybrid PAYT/SMART program, in which one container (not to exceed 35 gallons) is collected at the curb “free”. Trash in excess of 35 gallons must be placed in municipal PAYT/SMART “overflow bags” that residents purchase.

Covering Municipal Costs

PAYT/SMART programs generally involve a two-tiered funding system that combines a flat fee or tax subsidy and a unit-based fee. The flat fee/tax subsidy provides revenue stability to a municipal program and ensures that the fixed costs of trash collection are covered. The unit-based fee covers the variable cost for disposal and provides financial incentive for residents to recycle and compost more.

With any new program, concerns arise that need to be considered before implementation. The most prominent among considerations for a PAYT/SMART program are:

- **Public Perception that the Fee is a Tax.** Residents in some communities may perceive the unit-based pricing program as a new tax. To avoid this perception, many communities make their programs revenue-neutral by reducing the flat fee by the amount that unit-based fees are expected to generate. Many residents wind up paying less for trash disposal after a PAYT/SMART program is implemented since they are able to control their costs by recycling more and throwing less away.
- **Adverse Effects on Low-Income Households.** Because PAYT/SMART fees for trash service represent a higher percentage of a low-income family's income, steps may be taken to minimize the impact on these households. Just as electric, gas, and water utilities provide special rates for low-income users, a PAYT/SMART program may also include lowered rates for residents who demonstrate hardship.
- **Increases in Illegal Dumping.** Solid waste managers have expressed a fear that residents may resort to illegal dumping in commercial or public waste bins in a unit-based system. Studies of PAYT/SMART programs in Massachusetts and around the nation indicate that increased illegal dumping is **not** a problem in most communities.
- **Higher Administrative Costs.** With any new program, additional staff time may be needed for planning and implementation. However, these costs are generally recovered through savings associated with increased recycling and reduced waste disposal.

Building Public Support

Public acceptance and support are the most important components of a successful unit-based pricing program. Key players from the municipal government, elected officials and the environmental/community organizations must be involved from the beginning of the planning process.

Taking the time and committing the resources to build support within both the government and community will minimize confusion about the program from the beginning. It is important to hold public forums and meetings to respond to questions and concerns of residents, municipal officials and employees.

Additional Information

Visit the MassDEP web site: <http://www.mass.gov/eea/agencies/massdep/recycle/reduce/pay-as-you-throw-payt.html>

FY17 Environmental Services Costs

Residential

Costs	Q1	Q2	FY17
Trash Labor	\$ 32,702	\$ 33,079	\$ 65,780
Quarterly Labor	\$ 8,637	\$ 9,248	\$ 17,886
Overlook Labor	\$ 14,533	\$ 3,087	\$ 17,620
HHW Labor	\$ 9,600	\$ 6,597	\$ 16,198
Brush/Compost Labor	\$ 3,995	\$ 3,380	\$ 7,376
Recycle Labor	\$ 29,358	\$ 31,323	\$ 60,681
Glass Labor	\$ 563	\$ 749	\$ 1,312
Scale Labor	\$ 17,516	\$ 19,326	\$ 36,842
Transfer Station Labor	\$ 29,477	\$ 26,611	\$ 56,088
Trash Disp. & Trans.	\$ 80,993	\$ 69,869	\$ 150,861
Recycle Disp. & Trans.	\$ 15,180	\$ 22,551	\$ 37,731
Equipment IDC	\$ 120,423	\$ 120,423	\$ 240,846
Outside Services	\$ 26,739	\$ 755	\$ 27,495
Other Services	\$ 8,422	\$ 4,047	\$ 12,470
Materials/Supplies	\$ 2,037	\$ 22,345	\$ 24,383
Admin/Overhead	\$ 152,668	\$ 163,020	\$ 315,687
Total Cost	\$ 552,845	\$ 536,411	\$ 1,089,256

Commercial

Roll Offs

Roll Off Labor	\$	12,559	\$	13,957	\$	26,517
Scale Labor	\$	2,617	\$	3,292	\$	5,909
Transfer Station Labor	\$	1,989	\$	2,863	\$	4,853
Trash Disp. & Trans.	\$	7,237	\$	8,614	\$	15,851
Equipment IDC	\$	8,672	\$	8,672	\$	17,344
Materials/Supplies	\$	278	\$	-	\$	278
Admin/Overhead	\$	12,724	\$	16,328	\$	29,051
	\$	46,076	\$	53,726	\$	99,801

Dumpsters

Dumpster Trash Labor	\$	17,752	\$	23,094	\$	40,846
Dumpster Recycle Labor	\$	4,409	\$	4,823	\$	9,232
Scale Labor	\$	709	\$	896	\$	1,606
Transfer Station Labor	\$	10,514	\$	9,820	\$	20,334
Trash Disp. & Trans.	\$	33,678	\$	30,108	\$	63,786
Recycle Disp. & Trans.	\$	4,134	\$	6,166	\$	10,301
Cardboard Trans.	\$	780	\$	837	\$	1,617
Equipment IDC	\$	46,977	\$	46,977	\$	93,954
Materials/Supplies	\$	1,217	\$	8,343	\$	9,560
Admin/Overhead	\$	45,845	\$	57,222	\$	103,067
	\$	166,016	\$	188,287	\$	354,303

Total Cost

Transfer Station

Transfer Station Labor	\$ 23,121	\$ 21,589	\$ 44,710
Tire Labor and Disp.	\$ 1,451	\$ 5,903	\$ 7,354
Scale Labor	\$ 2,480	\$ 2,717	\$ 5,197
Recycling Labor	\$ 3,199	\$ 2,130	\$ 5,329
Trash Disp. & Trans.	\$ 64,671	\$ 61,044	\$ 125,714
Recycle Disp. & Trans.	\$ 2,836	\$ 2,112	\$ 4,948
Cardboard Trans.	\$ 2,825	\$ 1,966	\$ 4,791
Mulch Trans.	\$ -	\$ -	\$ -
Outside Services	\$ 546	\$ -	\$ 546
Other Services	\$ 140	\$ 16	\$ 156
Materials/Supplies	\$ 11,984	\$ 5,240	\$ 17,224
Admin/Overhead	\$ 43,206	\$ 44,845	\$ 88,051
Total Cost	\$ 156,459	\$ 147,562	\$ 304,021

Landfill

Closure/Post Closure Labor	\$	2,366	\$	2,875	\$	5,241
Outside Services/Materials	\$	4,619	\$	6,065	\$	10,684
Total Cost	\$	6,985	\$	8,940	\$	15,925

Loan payment

Grand Total Cost

FY17 Summary

OPERATING EXPENSES	Cost	Revenue	Gain/Loss
Residential	1,089,255.63	937,309.41	(151,946.22)
Landfill	15,925.07	0.00	(15,925.07)
Roll Off	99,801.43	58,252.86	(41,548.57)
Dumpsters	354,303.32	323,345.85	(30,957.47)
Transfer Station	304,021.08	380,337.88	76,316.80
Loan/Intrest	180,814.00	184,376.00	3,562.00
Total	2,044,120.53	1,883,622.00	(160,498.53)

FY17 Environmental Services Revenues

Residential

Revenues	Q1	Q2	FY17
Rates	\$ 466,032	\$ 471,278	\$ 937,309
Total Revenue	\$ 466,032	\$ 471,278	\$ 937,309

Commercial

Roll-off Rates

Q1	Q2	FY17
\$ 27,118	\$ 31,135	\$ 58,253
\$ 27,118	\$ 31,135	\$ 58,253

Dumpsters

Rates

OCC Sales

	Q1		Q2		FY17
\$	144,450	\$	162,937	\$	307,387
\$	7,880	\$	8,078	\$	15,959
\$	152,331	\$	171,015	\$	323,346

Total Revenue

\$ 179,449 \$ 202,150 \$ 381,599

Transfer Station

tion	Q1	Q2	FY17
Comm. Trash	\$ 54,947	\$ 44,587	\$ 99,534
Comm. Const.	\$ 20,927	\$ 20,641	\$ 41,568
Comm. Tire	\$ 3,013	\$ 4,882	\$ 7,895
Comm. Brush	\$ 12,040	\$ 10,859	\$ 22,899
LANL Trash	\$ 29,794	\$ 25,513	\$ 55,307
LANL Brush	\$ 1,980	\$ 1,921	\$ 3,901
LANL Construction	\$ 356	\$ 212	\$ 568
Concrete/Asphalt Tip	\$ 27,535	\$ 20,233	\$ 47,768
Misc. Comm Tip	\$ 6,199	\$ 4,860	\$ 11,059
Concrete Rev.	\$ 8,196	\$ 6,874	\$ 15,071
Metal Rev.	\$ 10,408	\$ 1,616	\$ 12,024
OCC Sales	\$ 2,534	\$ 1,825	\$ 4,358
Sales of Trash Bags	\$ 1,399	\$ 1,243	\$ 2,642
Misc. Rev.	\$ 30,798	\$ 24,946	\$ 55,744
Total Revenue	\$ 210,126	\$ 170,212	\$ 380,338

Interest

EGRT used for loan

Q1	Q2	FY17
\$ 2,495	\$ 1,067	\$ 3,562
\$ 90,407	\$ 90,407	\$ 180,815

Total Revenue

\$ 948,509 \$ 935,114 \$ 1,883,623

Net Revenue

\$ (70,279) \$ (90,219) \$ (160,498)

New Rates
July 1, 2016

Los Alamos County Environmental Services Fees

Eco Station Tip Fees	FY16	FY17 and subsequent fiscal years
Mixed municipal solid waste, per ton	\$ 62.00	\$ 64.00
Minimum tip fee, per load	\$ 20.00	\$ 20.00
Brush - loads containing 100% brush, per ton	\$ 37.00	\$ 37.00
Clean dirt, per ton	\$ 5.00	\$ 5.00
Clean urban wood - Loads containing 100% clean urban wood waste, per ton	\$ 37.00	\$ 37.00
Concrete/asphalt - Loads contain 100% concrete and asphalt, per ton	\$ 5.00	\$ 5.00
Metal - Loads containing 100% metal, per ton	\$ 0.00	\$ 0.00
LA County residents/businesses - recyclables (mixed recycle/cardboard) - loads containing 100% mixed recycle/cardboard material *	Less than half ton = free More than half ton = \$50/ton	Less than half ton = free More than half ton = \$51.50/ton
Out of County - Recyclables (mixed recycle/cardboard) - Loads containing 100% mixed recycle/cardboard material, per ton *	\$ 50.00	\$ 51.50
Large animal mortalities (horse, cow, elk, etc.) per animal	\$ 150.00	\$ 150.00
Refrigerant removal from (refrigerators, air conditioner, automobiles freezer, etc.) per item	\$ 50.00	\$ 50.00
Tires, per ton	\$ 200.00	\$ 200.00
Oversized tires - tires larger than 23.5 in. x 25 in., per tire	\$ 35.00	\$ 35.00
Tire on rim, all sizes - additional fee per tire	\$ 5.00	\$ 5.00
Recycled Products Available for Pickup	FY16	FY17 and subsequent fiscal years
Glass cullet, per ton	\$ 0.00	\$ 0.00
Compost, per ton	\$ 0.00	\$ 0.00
Wood chips, per ton	\$ 0.00	\$ 0.00
Material loading fee, per cubic yard (1 cubic yard minimum)	\$ 3.00	\$ 3.00
Residential curbside collection charges	FY16	FY17 and subsequent fiscal years
Residential service, single residential unit (one pick up per week), per month	\$ 20.00	\$ 22.00
Service for additional trash roll-cart, in addition to monthly service charge, per roll cart	\$ 13.60	\$ 14.00
Recycle service, single residential unit (one pick up per week)	\$ 0.00	\$ 0.00
Service for additional recycle roll-cart, in addition to monthly service charge, per roll cart	\$ 0.00	\$ 0.00

Roll-off service charges	FY16	FY17 and subsequent fiscal years
On-call service, plus tip fee (county-owned/private)	\$105.00/\$173.00	\$105.00/\$178.00
Set-up, per event	\$ 105.00	\$ 105.00
Roll-off box rental, per roll-off box per month	\$ 80.00	\$ 80.00
Deposit (waived customer has 12 on time payment history in the past 12 months)	\$ 650.00	\$ 650.00
Trash compactor service charges	FY16	FY17 and subsequent fiscal years
On-call service (at least one business day prior notice required), plus tip fee	\$ 173.00	\$ 178.00
Commercial curbside roll-cart charges	FY16	FY17 and subsequent fiscal years
Trash roll-cart service for commercial, single business or other non-residential establishments (one pick up per week), per month	\$ 20.00	\$ 22.00
Service for additional trash roll-cart, in addition to monthly service charge, per roll cart	\$ 13.60	\$ 14.00
Recycle roll-cart (one pick up per week), per month	\$ 2.00	\$ 2.00
Service for additional recycle roll-cart, in addition to monthly service charge, per roll cart	\$ 2.00	\$ 2.00
Dumpster service charges	FY16	FY17 and subsequent fiscal years
Regularly scheduled dumpster collection service (one pickup per week), per dumpster per month	\$ 108.36	\$ 121.22
Regularly scheduled recycling collection service	\$ 0.00	\$ 0.00
Dumpster rental (trash or recycle), per month	\$ 10.12	\$ 10.12
Additional on-call service, per collection	\$ 38.00	\$ 39.00
Set up/take down/relocation, per event. Set up waived for new recycling dumpster	\$ 67.00	\$ 69.00
Special service charges	FY16	FY17 and subsequent fiscal years
Duplicate copies of scale tickets provided with monthly billing	\$ 20.00	\$ 20.00
Special collection or delivery *One hour minimum charge, per piece of equipment. * Tipping fees will apply if applicable.	\$ 67.00	\$ 69.00
Unauthorized user/illegal dumping fee	\$ 500.00	\$ 500.00
Other waste, handling and disposal	County contract cost plus 10% administrative fee	County contract cost plus 10% administrative fee
Certified vehicle weight	\$ 10.00	\$ 10.00
Roll-cart replacement for recycle or trash (negligent loss or damaged)	\$ 75.00	\$ 75.00

Sec. 32-18. Refuse, recycling and solid waste facility fees.

(a) The county shall charge for refuse services in accordance with the following table of service charges.

(b) The highest rate tipping fee will be applied to mixed loads depending on the materials in the load. Material must be clean with less than ten (10) percent contamination by other materials or the material will be characterized and charged as municipal solid waste.

Los Alamos County Environmental Services Fees, Rules, and Regulations for Roll-Off Containers

1. Roll-off Fees

Deposit for commercial customers - \$650.00 per roll-off (deposit is waived, if customer has 12 on time payment history in the past 12 months).

Connection Fee - \$25.00

Setup - \$105.00

Service - \$178.00

Rental - \$80.00 per month (prorated for partial months)

Disposal fees

Mixed municipal waste – \$64.00 per ton

Brush/clean urban wood waste (100% of material) – \$37.00 per ton

Concrete or asphalt (100% of material) – \$5.00 per ton

Metal (100% of material) – \$0.00 per ton

Cardboard (100% of material) – \$51.50 per ton

*Plus applicable taxes

2. No liquids, paints, hazardous materials, electronics, refrigerators or ashes are allowed in the roll-off.

3. Concrete or asphalt placed in the roll-off for recycling must be clean with 10% dirt or less, and have a maximum thickness of 1' x 1'. No more than one cubic yard of concrete will be accepted for disposal as trash.

4. Material discarded must be below or level with top of roll-off. Nothing should extend above the top or sides.

5. The maximum legal weigh limit for any roll-off is 10 tons.

6. When discarding heavy material (i.e. concrete, shingles, etc.) roll-off should only be filled to half of capacity to ensure the 10 ton weight limit is not exceeded.

7. The customer will be charged a \$105.00 service fee when the container cannot be picked up due to:

- Overweight container
- Overflowing container
- Blocked container
- Same-day cancellation of a service
 - If renter is able to promptly fix the issue, enabling the roll-off to be serviced within 20 minutes of driver's arrival no additional service fee will apply.

8. A three day notification is required for placement and servicing of the roll-off. Call 505-662-8163 to schedule.

9. The roll-off must be serviced a minimum of once every 30 days.

10. Adequate space on private property away from overhead power lines, trees, and other obstructions is required for roll-off placement. If no adequate space on private property is available a permit must be obtained for the placement of the roll-off on the street. To obtain information on the permit contact the Traffic Division at 662-8396.

11. Roll-off sizes

20 cubic yard – 8' wide x 24' long x 4' high

30 cubic yard – 8' wide x 24' long x 6' high

Customer Signature

Date

Save As You Throw Rate Structure Example 1							
Gallons	Current	Proposed	Percent Increase	Cost Increase	# of Households	Monthly Revenue	Annual Revenue
48	\$ 22.00	\$ 23.50	6.8%	\$ 1.50	4219	\$ 6,328.50	\$ 75,942.00
64	\$ 22.00	\$ 24.50	11.4%	\$ 2.50	1967	\$ 4,917.50	\$ 59,010.00
96	\$ 22.00	\$ 25.50	15.9%	\$ 3.50	663	\$ 2,320.50	\$ 27,846.00
							\$ 162,798.00
							Total
Save As You Throw Rate Structure Example 2							
Gallons	Current	Proposed	Percent Increase	Cost Increase	# of Households	Monthly Revenue	Annual Revenue
48	\$ 22.00	\$ 23.00	4.5%	\$ 1.00	4219	\$ 4,219.00	\$ 50,628.00
64	\$ 22.00	\$ 25.00	13.6%	\$ 3.00	1967	\$ 5,901.00	\$ 70,812.00
96	\$ 22.00	\$ 27.00	22.7%	\$ 5.00	663	\$ 3,315.00	\$ 39,780.00
							\$ 161,220.00
							Total
Current Rate Structure with \$2 Increase Per Household							
Gallons	Current	Proposed	Percent Increase	Cost Increase	# of Households	Monthly Revenue	Annual Revenue
48	\$ 22.00	\$ 24.00	9.1%	\$ 2.00	213	\$ 426.00	\$ 5,112.00
64	\$ 22.00	\$ 24.00	9.1%	\$ 2.00	1500	\$ 3,000.00	\$ 36,000.00
96	\$ 22.00	\$ 24.00	9.1%	\$ 2.00	5137	\$ 10,274.00	\$ 123,288.00
							\$ 164,400.00
							Total

Distribution of Households in Los Alamos by Household Size			
Person per household	Percent of	Number of households	Roll Cart Size
One Person	28%	1917	48
Two Persons	34%	2302	48
Three Persons	16%	1062	64
Four Persons	13%	905	64
Five Persons	6%	413	96
Six Persons	2%	155	96
Seven Persons or more	1%	95	96

*Based on Distribution of households in the US from 1970 to 2015, by household size. Source: The Statistics Portal:
<https://www.statista.com/statistics/242189/distribution-of-households-in-the-us-by-household-size/>

**Based on 6850 households



County of Los Alamos

Staff Report

March 16, 2017

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Angelica Gurule

Legislative File: 9169-17

Title

2017 Earth Day Events

...Suggested Motion

N/A

Body

The ESB will discuss the many upcoming outreach opportunities to celebrate 2017 Earth Day.

1. Tour of Friedman Recycling Facility - April 7, 2017
2. PEEC Earth Day Event - April 22, 2017 @ 11am to 3pm
3. 14th Annual Clean Up Los Alamos Day - April 29, 2017

Attachments

N/A



County of Los Alamos

Staff Report

March 16, 2017

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: James Robinson

Legislative File: 9220-17

Title

Follow Up for Famine to Feast Collection Containers

.Recommended Action

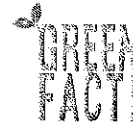
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Body

The ESB received a presentation from Jaret McDonald regarding Famine to Feast. One request was to research the cost of collection containers. Attached you will find a quote for 18-gallon collection containers which cost approximately \$7.36 per unit plus shipping and handling.

Attachments

E - Quote for 18-Gallon Collection Containers



Los Alamos County
Environmental services
recently purchased at a cost of
\$7.36 per unit plus shipping



Curbside SERIES™ TRUE 18 | 18 GALLON

CURBSIDE COLLECTION MADE EASY

The Curbside Recycling Series are available in 14/16/18/21/24 Gallon sizes and offer supreme durability and function.

The most popular of the curbside recycling containers, the 18 Gallon Curbside Recycling Bin combines an increased capacity with an ergonomic design for the ultimate in municipal collection.

With the optional lid, wheel package and wall brackets, this container is an all around champion of curbside recycling.

FEATURES:

- Bottom impact feet
- Cross stacks with other sizes
- Custom stamping available
- Stocked with "WE RECYCLE and Mobius Loop", on two sides of the container

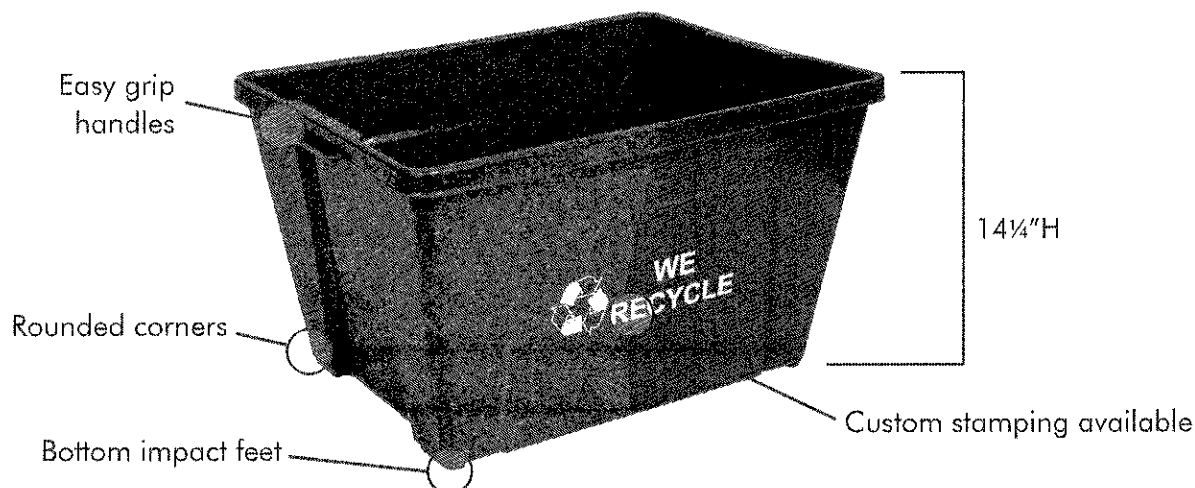


Curbside SERIES™

TRUE 18 | 18 GALLON



BUSCH SYSTEMS
Recycling Made Simple



TRUE 18 SPECIFICATIONS:

- Capacity: 18.7 US Gallons
- Dimensions: 16"D x 23"W x 14 1/4"H
- Weight: 4.1 lbs
- Nesting Ratio: 14:1
- Material: HDPE
- 5 year full warranty

PALLET SHIPPING:

- 400 per pallet (bulk)
- Pallet weight: 1640 lbs
- Pallet dimensions: 46"D x 48"W x 96"H

UPS SHIPPING:

- No. Per Carton: 15
- Size of Carton: 23 1/2"D x 18 1/2"W x 30 1/4"H
- Carton Weight: 66 lbs

ACCESSORIES:

- Wheel kits (BC 2510), wall brackets (BC 2550), lid (US18L)

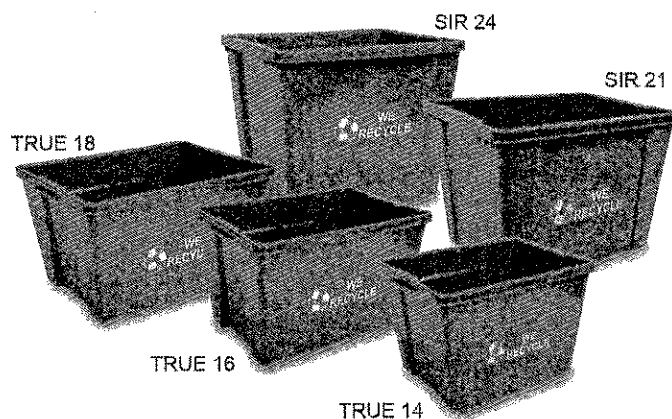
STAMPING:

- Minimum order: 200 units

COLORS:

- Custom colors available, minimum order of 1000 units

STOCK COLORS: ● BLUE ● GREEN



4 OTHER SIZES AVAILABLE



1-800-565-9931



buschsystems.com



81 Rawson Avenue, Barrie, Ontario, Canada L4N 6E5



County of Los Alamos

Staff Report

March 16, 2017

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Angelica Gurule and Erik Loechell

Legislative File: 9219-17

Title

Los Alamos Public School Subcommittee Update

Recommended Action Motion

N/A

Body

Los Alamos Public School Subcommittee Update

Attachments

N/A



County of Los Alamos

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March 16, 2017

Los Alamos, NM 87544
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Agenda No.:

Index (Council Goals):

Presenters: Angelica Gurule

Legislative File: 9167-17

Title

February 2017 Residential Sustainability Report

Recommended Action Motion

N/A

Body

The ESB will review and discuss the February 2017 Residential Sustainability Report.

Attachments

D - Residential Sustainability Report - February 2017



Residential Sustainability Report

Service Period: February 2017

Recyclables Collected: 101.85 tons

Trash Collected: 345.06 tons

Compostable Materials Collected: 10.26 tons

Total Material Collected: 457.17 tons



LOS ALAMOS

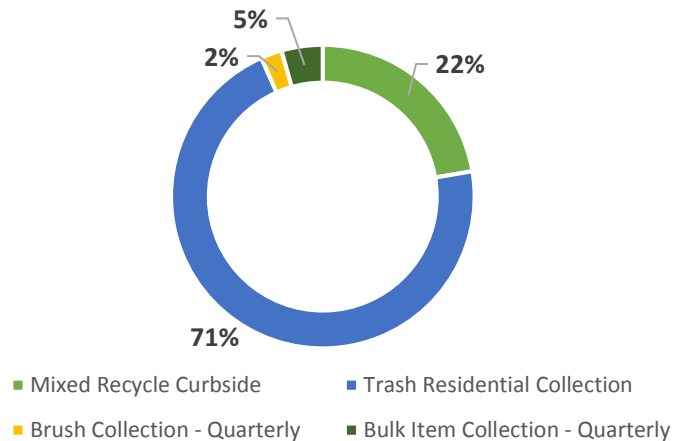
Monthly Collection Report

January Diversion Rate: **26%**

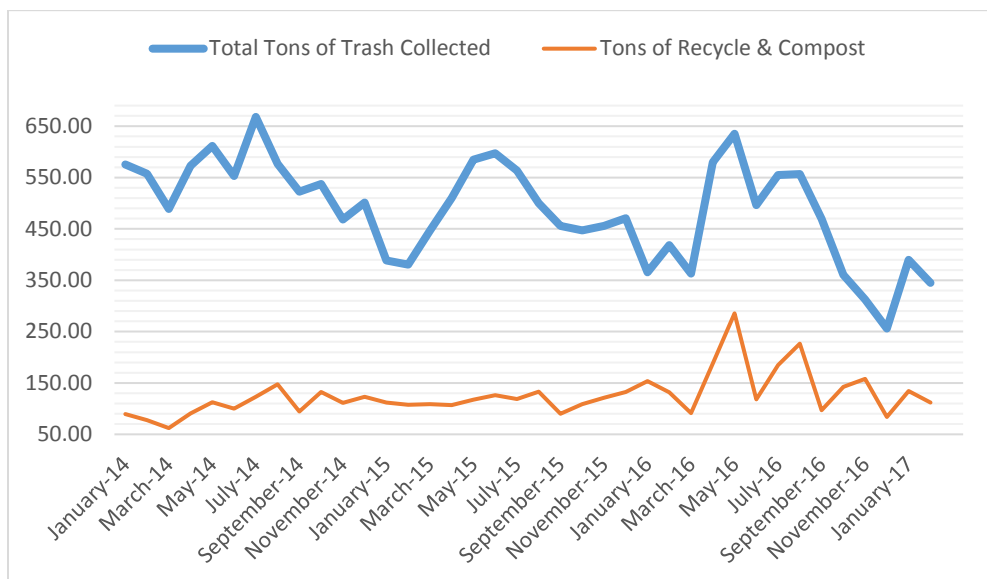
February Diversion Rate: **25%**

A **4%** Decrease in Diversion

The *diversion rate* is the percent of materials recycled and composted.

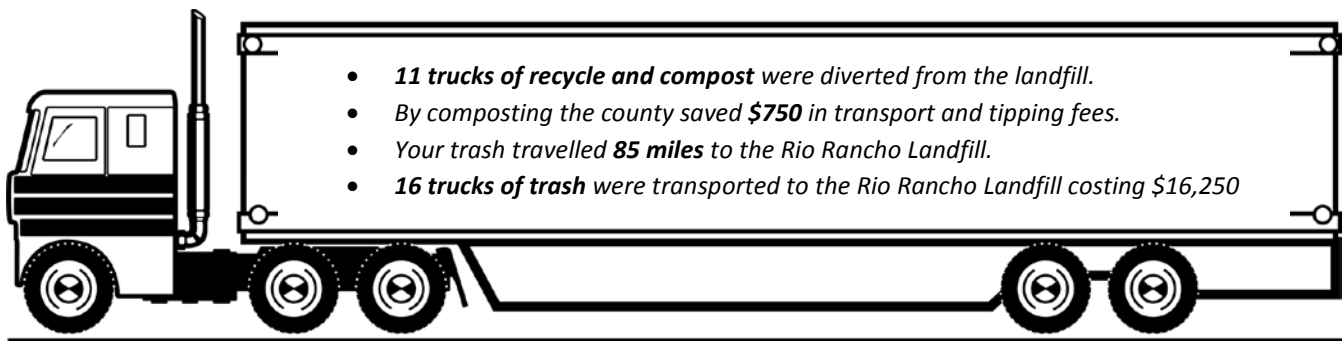


Month by Month Recycling Comparison



Recycling saves

Recycling of aluminum cans saves 95% of the energy required to make the same amount of aluminum from its virgin source. One ton of recycled aluminum saves 14,000 kilowatt hours (Kwh) of energy, 40 barrels of oil, 238 million Btu's of energy, and 10 cubic yards of landfill space.



- **11 trucks of recycle and compost** were diverted from the landfill.
- By composting the county saved **\$750** in transport and tipping fees.
- Your trash travelled **85 miles** to the Rio Rancho Landfill.
- **16 trucks of trash** were transported to the Rio Rancho Landfill costing \$16,250