### **County of Los Alamos**

1000 Central Avenue Los Alamos, NM 87544



### Agenda - Final Environmental Sustainability Board

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

Thursday, August 17, 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

<u>9809-17</u> Approval of the June 15, 2017 and July 20, 2017, Environmental

Sustainability Board Minutes

**Presenters:** John Bliss

Attachments: A - Draft ESB Minutes June 15, 2017

B - Draft ESB Minutes July 20, 2017

#### 5. BOARD BUSINESS

9816-17 How Jemez House Thrift Store Contributes to Sustainability in a

Mighty Way

**Presenters:** John Bliss

9810-17 Discuss and Vote for the Color of the Brush Roll-Cart

**Presenters:** John Bliss

Attachments: C - Public Input on Brush Bin Color

9814-17 Discuss Bear Issues Regarding Waste Management and Waste

Containers

Presenters: John Bliss

Attachments: D - Bear Deterrent Tips

E - Bear Proof Roll Cart Price

F - Bear Resistant Hardware Tutorial

9820-17 Discuss and Revise Draft Wildlife Ordinance

**Presenters:** John Bliss

<u>Attachments:</u> H - Draft Wildlife Ordinance

9815-17 ESB Member Recruitment Update

**Presenters:** Angelica Gurule

- 6. REPORTS
- A. Chair's Report John Bliss
- B. Liaison's Reports
- 1). Board of Public Utilities Sue Barns
- 2). Planning and Zoning Commission James Robinson
- 3). Transportation Board
- 4). Parks and Recreation Board Erik Loechell
- 5). County Council Liaison Pete Sheehey
- C. Los Alamos Public Schools Subcommittee Angelica Gurule
- 7. STAFF REPORT

9819-17 Discuss Schedule to Conduct Residential Recycle Audit

**Presenters:** Angelica Gurule

9817-17 July 2017 Residential Sustainability Report

**Presenters:** Angelica Gurule

Attachments: Residential Sustainability Report - July 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.



Los Alamos, NM 87544 www.losalamosnm.us

August 17, 2017

Agenda No.:

**Index (Council Goals):** 

Presenters: John Bliss
Legislative File: 9809-17

#### **Title**

Approval of the June 15, 2017 and July 20, 2017, Environmental Sustainability Board Minutes

#### **Recommended Action Motion**

I move that the Environmental Sustainability Board approve the June 15, 2017, and July 20, 2017, minutes as presented.

Or

I move that the Environmental Sustainability Board approve the June 15, 2017 and July 20, 2017, minutes as amended.

#### **Body**

The ESB will review and approve the June 15, 2017, and July 20, 2017, Environmental Sustainability Board Minutes.

#### **Attachments**

A - Draft ESB Minutes June 15, 2017

B - Draft ESB Minutes July 20, 2017

# County of Los Alamos BCC Meeting Minutes

1000 Central Avenue Los Alamos, NM 87544

### **Environmental Sustainability Board**

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

Thursday, June 15, 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 p.m.

The following members were in attendance:

Present: Board Chair Bliss, Member Terrill, Member Barns, Member Chamberlin, Member Loechell, Member Robinson

**Absent: Member Katzman** 

#### 2. PUBLIC COMMENT

None

#### 3. APPROVAL OF AGENDA

A motion was made by Member Robinson, seconded by Member Barns, that the agenda be approved as presented.

The motion passed unanimously.

#### 4. APPROVAL OF MINUTES

9583-17 Approval of the May 25, 2017, Environmental Sustainability Board Minutes

**Presenters:** John Bliss

Attachments: A - Draft ESB Minutes May 25, 2017

A motion was made by Member Terrill, seconded by Member Robinson, that the May 25, 2017 minutes be approved as presented.

The motion passed unanimously.

#### 5. BOARD BUSINESS

9584-17 Review and Discuss Pending Action Items on FY17 ESB Work Plan

Presenters: John Bliss

Attachments: B - FY17 ESB Work Plan

The board reviewed and discussed the pending action items on the FY17 ESB Work Plan. The board successfully accomplished the majority of items listed in the FY17 Work Plan. Board Chair Bliss suggested that there be more focus in FY18 on nurturing and strengthening the relationship with the Board of Public Utilities to support energy and water conservation.

#### 9585-17 Discuss Implementation Plan for Brush Roll Cart

Presenters: John Bliss

The board discussed the implementation plan for the Brush Roll Cart program. Angelica Gurule, Staff Liaison, advised that the budget has been approved and will go into effect July 1, 2017. The purchase order for the truck will be issued after that date and the lead time is six to nine months. Items discussed included: name of program, cart color and labeling, distribution of roll carts, timeline, pick up frequency, trash audit, public outreach and education. Angelica Gurule, Staff Liaison, and Philo Shelton, Public Works Department Director, will develop an outline of items discussed to review at a future ESB meeting.

#### 9586-17 ESB Member Recruitment Update

**Presenters:** Angelica Gurule

The board reviewed and discussed the recruitment for two new ESB members, there will be two vacancies beginning August 1st. Recruitment has been advertised at Farmer's Market as well as online. Member Terrill suggested that a recruitment flyer be developed and shared using LAVA.

#### 9588-17 Announce the Winners of the 2017 Business Recycler of the Year

Presenters: John Bliss

<u>Attachments:</u> 2017 Business Recycler of the Year Survey Results

Board Chair Bliss announced the 2017 Business Recycler of the Year winners are Pajarito Environmental Education Center (PEEC) and Chamisa Elementary. Megan Lee, Renee Mitsunaga and students from Chamisa Elementary were present to accept the Business Recycler of the Year Award in the Educational Institute category. Student Ella Miranda spoke about their waste free lunch initiative. Member Barns accepted the Business Recycle of the Year Award on behalf of Pajarito Environmental Education Center (PEEC) in the Business/Nonprofit category. Angelica Gurule, Staff Liaison, added that a proclamation will be made at an upcoming County Council meeting recognizing the 2017 Business Recycler of the Year winners.

#### 6. REPORTS

#### A. Chair's Report - John Bliss

Board Chair Bliss reported that items covered at the New Mexico Recycling Coalition (NMRC) annual meeting included: glass recycling market and recycling process, best practices in recycling and brush program roll out.

#### B. Liaison's Reports

#### 1). Board of Public Utilities - Sue Barns

Member Barns reported that items covered at the Board of Public Utilities meeting included: the need to replace White Rock sewage treatment plant, backflow protection valves, 535 kW of residential solar has been installed to date, small modular reactor project discussions are ongoing, LANL plans to build a solar array and combined cycle natural gas plant, plans to drill a new well over the summer, proposal to raise water and sewage rates 8%, and Carrie Walker is the newest BPU member.

#### 2). Planning and Zoning Commission - James Robinson

No report provided

#### 3). Transportation Board - Rebecca Chamberlin

Member Chamberlin reported that items covered at the Transportation Board meeting included: the work plan for FY18, sustainability initiatives that relate to ESB including Canyon Rim Trail and bicycle transportation system.

#### 4). Parks and Recreation Board - Erik Loechell

No report provided

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

Pete Sheehey discussed the ESB proposed rate increase which is scheduled to go in front of County Council on June 27, 2017.

#### C. Los Alamos Public Schools Subcommittee - Angelica Gurule

Angelica Gurule, Staff Liaison, reported that a Recycling and Illegal Dumping (RAID) grant has been awarded to remake Chamisa Elementary School's Zero Waste Lunch video as part of a zero waste lunch campaign. The video will be shown at the local movie theatre and shared with all the local schools.

#### 7. STAFF REPORT

#### 9587-17 Review the May 2017 Residential Sustainability Report

**Presenters:** Angelica Gurule

<u>Attachments:</u> <u>C - Residential Sustainability Report - May 2017</u>

Angelica Gurule, Staff Liaison, reported that the residential diversion rate is up from 24% in April to 25% in May.

#### 8. PREVIEW OF UPCOMING AGENDA ITEMS

- 1. C & D Diversion Opportunities
- 2. FY18 Work Plan
- 3. Save As You Throw
- 4. Food Waste & Composting Tour & Presentation
- 5. Update on Bear Stickers

6. Route Audit Update

#### 9. ADJOURNMENT

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

The meeting adjourned at 7:14 p.m.

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# LOS ALAMOS

### County of Los Alamos Minutes

1000 Central Avenue Los Alamos, NM 87544

### **Environmental Sustainability Board**

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

Thursday, July 20, 2017

5:30 PM

1000 Central Avenue, Suite 110

#### 1. CALL TO ORDER - ROLL CALL

The ESB vice chair, Sarah Terrill, called the meeting to order at 5:33 p.m.

The following members were in attendance:

Present: Board Chair John Bliss, Member Terrill, Member Barns, Member Chamberlin, Member Loechell, Member Robinson

Absent: Member Katzman

#### 2. PUBLIC COMMENT

None

#### 3. APPROVAL OF AGENDA

A motion was made by Member Barns, seconded by Member Chamberlin, that the agenda be approved as presented.

The motion passed unanimously.

#### 4. APPROVAL OF MINUTES

The minutes from the June ESB meeting were not included in the Agenda Packet.

A motion was made by Member Terrill that the minutes be reviewed and approved at the August ESB Meeting.

The motion passed unanimously.

#### 5. BOARD BUSINESS

9722-17 Food Waste Composting Presentation by Walter Dods

Presenters: John Bliss

<u>Attachments:</u> B - Food Waste Composting Presentation by Walter Dods

Walter Dods gave a presentation on food waste composting. Mr. Dods is the Operations

Manager at Soilutions, a private company out of Albuquerque that collects and composts food waste. Topics discussed included composting process, implementation (starting small with easily identifiable material), process modification, collection/transportation, quality control measures, contamination, vectors and education. Jack Richardson, Deputy Utility Manager for Gas, Water and Sewer, advised that modifying the current compost process to accept food waste would not be an easy task. Some factors to consider include operation and maintenance processes, composting timeline, separate piles, space and regulatory requirements. The Utilities Department would like to partner with the ESB on future discussions regarding food waste composting.

### 9723-17 Discuss Bear Issues Regarding Trash Collection and Bear Resistant Containers

**Presenters:** Susan Barns

<u>Attachments:</u> BearSaver

Member Barns spoke regarding a suspected bear incursion on a play lot located on 37th street. Chris Wilson, Parks and Recreation Open Space Division Manager, passed around a brochure for the Bear Saver ADA trash can. There are currently six Bear Saver trash cans being used at Camp May. Mr. Wilson noted that there are several play lots around town, including 37th street that are being evaluated for patterns of bear activity, this must be done prior to purchasing and placing the Bear Saver trash cans.

#### 6. REPORTS

#### A. Chair's Report - John Bliss

Board Chair Bliss reported that items discussed at the County Council Meeting included the solid waste rate increase, which was subsequently approved and will go into effect September 1, 2017.

#### B. Liaison's Reports

#### 1). Board of Public Utilities - Sue Barns

Member Barns reported that items discussed at the Board of Public Utilities meeting included: small modular nuclear reactor project, the rate increase hearing for water and sewer will be heard at County Council August 8th, review of the policy/procedure manual regarding assistance for low income residents and the White Rock Waste Water Treatment Plant replacement will be scheduled for some time in the early 2020's.

#### 2). Planning and Zoning Commission - James Robinson

Member Robinson that items discussed during the Planning and Zoning Commission included rezoning of DP Road.

#### 3). Transportation Board - Rebecca Chamberlin

Member Chamberlin reported that items discussed during the Transportation Board meeting included: the Bicycle Transportation Plan was approved by County Council, Atomic City Transit is actively reviewing their policies to support community events that may involve intoxicated passengers (i.e. Summer Concert Series), the Bandelier Shuttle began May 14th, Canyon Rim Trail Phase III update included that the 20th Street extension began this month and the Canyon Rim underpass at Los Alamos Co-op was

approved, Don Machen added that traffic calming measures on Urban Street were also discussed.

#### 4). Parks and Recreation Board - Erik Loechell

Member Loechell reported that items discussed during the Parks and Recreation Board meeting included: RV storage and camping, funding for improvements to camp at Main Gate did not pass, Camp May improvements are under way and they are looking to mirror Telluride's online reservation system for camping, the Rec Bond did not pass and the RFP for the Flow Trail design and cost estimates.

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

Pete Sheehey reported that items discussed at the County Council meeting included: RFP for Flow Trail, Rec Bond discussion regarding capital funds and the Solid Waste rate increase was approved. Councilor Sheehey suggested that the ESB discuss options for seniors who require assistance with bulk items at a future meeting.

#### C. Los Alamos Public Schools Subcommittee - Angelica Gurule

No report provided

#### 7. STAFF REPORT

#### 9725-17 Brush Bin Implementation Update

**Presenters:** Angelica Gurule

Angelica Gurule, Staff Liaison, reported that Toter has provided two sample brush bins that were displayed at Science Fest. The public is being asked to vote on which color they prefer, green or tan. Currently tan is leading with 161 votes and green is closely following with140 votes. The truck for brush collection has been ordered and is scheduled to be delivered in December.

#### 9726-17 June 2017 Residential Sustainability Report

**Presenters:** Angelica Gurule

<u>Attachments:</u> C - Residential Sustainability Report - June 2017

Angelica Gurule, Staff Liaison, reported that the residential diversion rate is down from 25% in May to 20% in June. This was due to not having a curbside brush collection in the month of June.

#### 9728-17 ESB Member Recruitment Update

**Presenters:** Angelica Gurule

Angelica Gurule, Staff Liaison, reported that effective July 31st there will be two vacancies on the ESB Board. A flyer was distributed around town with the help of LAVA. To date, three residents have applied, which meets the minimum criteria for selection of two members. Member Chamberlin was presented with a certificate of appreciation. Member Katzman will receive his certificate of appreciation at a later date.

Note: Due to technical difficulty the video and audio feed cut off at 7:22 p.m.

#### 8. PREVIEW OF UPCOMING AGENDA ITEMS

- 1. C & D Diversion Opportunities
- 2. FY18 Work Plan
- 3. Save As You Throw
- 4. Project Green Challenge or Eco Challenge
- 5. Possible ordinance regarding when the roll cart should be placed on the curb

#### 9. ADJOURNMENT

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

The meeting adjourned at 7:30 p.m.

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Los Alamos, NM 87544 www.losalamosnm.us

August 17, 2017

Agenda No.:

**Index (Council Goals):** 

Presenters: John Bliss
Legislative File: 9816-17

#### **Title**

How Jemez House Thrift Store Contributes to Sustainability in a Mighty Way

#### ...Suggested Motion

N/A

#### **Body**

Mary Zemach of Jemez House Thrift Store will share the history of the store and discuss how it contributes to sustainability in a mighty way.

#### **Attachments**

N/A



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August 17, 2017

Agenda No.:

**Index (Council Goals):** 

Presenters: John Bliss
Legislative File: 9810-17

#### **Title**

Discuss and Vote for the Color of the Brush Roll-Cart

#### .Recommended Action

N/A

#### **Board, Commission or Committee Recommendation**

N/A

#### **Body**

The ESB will discuss and vote for the color of the brush roll-cart. There are currently two colors to choose from, tan and kelly green. The brush roll-cart will be disseminated by request only and the estimated roll out date is July 2018.

#### **Attachments**

C - Public Input on Brush Bin Color

### Public Input on Brush Bin Color

Date	Event	<b>Tan Votes</b>	<b>Green Votes</b>
15-Jul	Science Fest	102	87
9-Aug	ES Facebook Page	<b>77</b>	69
9-Aug	Keep It Local	42	29
9-Aug	CCC Facebook Page	6	4
12-Aug	County Fair	67	58
	TOTAL	294	247



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August 17, 2017

Agenda No.:

**Index (Council Goals):** 

Presenters: John Bliss
Legislative File: 9814-17

#### **Title**

Discuss Bear Issues Regarding Waste Management and Waste Containers

#### .Recommended Action

N/A

#### **Board, Commission or Committee Recommendation**

N/A

#### **Body**

The ESB will discuss bear issues in Los Alamos regarding waste management and waste containers. The ESB will also discuss bear deterrent tips as part of an effort to educate residents and minimize bear-human interactions.

#### **Attachments**

**D** - Bear Deterrent Tips

#### **Bear Deterrent Tips**

- Keep trash cans in a secure enclosure (garage, shed, etc.) until the morning of trash pick-up.
- Reduce attractants in your garbage by keeping food scraps, oil, etc. out of roll cart until morning of
  pick-up. Some people keep food scraps in the freezer to reduce smells. This also means less odor, flies,
  maggots, ravens, etc. in your roll cart!
- Spray a solution of 1 part water and one part ammonia (or full-strength ammonia) all around your trash area and can. Reapply weekly or after rain.
- Secure chicken coops and other small livestock pens with electric fencing to keep bears out. Electric fencing can also be used around gardens, fruit trees, etc.
- Take all birdfeeders in at night.
- Do not leave pet food outdoors.
- If you have fruit trees, pick up fallen fruit, and consider removing trees.
- Clean BBQ grills after each use, and preferably, store them securely in garage or shed.
- Leaving a radio tuned to a talk show can make it sound like someone is home and may persuade bears to leave the area. It's the human voice that does the trick; music doesn't seem to have any effect. If you'll be gone for an extended period of time, you can put a radio on a timer.

### **Bear Roll-Cart Cost (Example)**

### \$200 Cost per Roll Cart

\$130 - NMDGF (65%) \$70 - LAC (35%)

### Reduced Cost to Customer \$77 per roll cart

\$70 plus 10% administrative fee

#### MODIFY YOUR TRASH ROLL-CARTS TO RESIST BEARS



Environmental Services Division 3701 E Jemez Rd. Los Alamos, NM 87544 (505) 662-8163 solidwaste@lacnm.us

Wildlife have been making their way into residential areas because of lack of food in the wild and ease of getting it out of trash roll-carts. Since garbage stored outside is the biggest attractant, storing garbage in a secure garage or shed until the morning of collection is recommended.



We now have hardware available to make the roll-carts bear resistant. (Locks must be unlatched for collection)

To request Environmental Services install the hardware on your roll-cart. Please email your name, address and phone number to: solidwaste@lacnm.us or call (505) 662-8163

If you would prefer to install the resistant lock yourself, you may pick up the hardware at the Eco Station during normal business hours: Monday - Friday 8:00 am to 4:15 pm, Saturday & Sunday 9:00 am to 4:15 pm

Alternatively, you can create your own bear resistant lock: Materials Needed:

1/16" Steel Cable Wire 12" length 3/32" Aluminum Wire Rope Sleeve (for eyelets) Double Wire Snap Safety Pin (5/16" D X 2 ¾" L) Self-Tapping Screws



#### <u>Installation Tools Required:</u>

Power Drill 5/16" Drill Bit Tape Measure Black Permanent Marker

#### **Installation Instructions**

- 1. Secure the bottom eyelet to the roll-cart under the lip with a drill and screw
- 2. Measure and mark the desired hole location for locking pin on both the roll-cart lid and lip. Holes should be drilled at an angle to ensure the pin remains locked.



3. Drill holes at an angle in both lid and lip





4. Slide pin through hole



5. Secure pin with wire



6. Repeat on other side



7. Remember to unsecure the lid by 8:00 a.m. on trash collection day. Environmental Services trucks will not be able to service locked containers



Please notify NM Department of Game and Fish immediately if you encounter wildlife, or have any questions or concerns. They can be reached at (505) 328-2572, or call dispatch at (505) 827-9376.



Los Alamos, NM 87544 www.losalamosnm.us

August 17, 2017

Agenda No.:

**Index (Council Goals):** 

Presenters: John Bliss
Legislative File: 9820-17

#### **Title**

Discuss and Revise Draft Wildlife Ordinance

#### .Recommended Action Motion

N/A

#### **Body**

The ESB will discuss and revise the draft wildlife ordinance to minimize human-bear interactions by minimizing set-out time for trash roll-cart.

#### **Attachments**

H - Draft Wildlife Ordinance

#### **Draft Wildlife Ordinance**

Sec. 32-7. - Placement and maintenance of containers.

- (a) It shall be the responsibility of every person owning or controlling any building, house or grounds or any other place of habitation or business to have and maintain in reasonably good repair one or more solid waste and/or recycling containers of the kind and character prescribed or furnished by the county.
- (b) Containers provided by the county are the property of the county and shall not be removed from the property to which the container was assigned by the county.
- (c) Roll-carts are to be removed from streets and sidewalks and neatly stowed by the end of the day of collection and set out for collection no earlier than 5:00 a.m. the day prior to of scheduled collection. Wildlife resistant roll-carts must have their mechanism disengaged at the time of set out.
- (1) Violations of placement times. A violation of this ordinance only accrues when the resident's failure of the above actions result in a wildlife disturbance of the trash container. An official warning will be issued for a first time violations. Penalties will then escalate to a fine of \$50 for the second violation and \$200 for additional violations. However, if a violator does not currently employ a wildlife resistant roll-cart, they may request a wildlife resistant roll-cart be exchanged for their current roll-cart in lieu of paying a fine.

(Ord. No. 02-071, § 3, 1-24-2006)



August 17, 2017

Los Alamos, NM 87544 www.losalamosnm.us

Agenda No.:

**Index (Council Goals):** 

**Presenters:** Angelica Gurule

Legislative File: 9815-17

#### **Title**

**ESB Member Recruitment Update** 

#### .Recommended Action Motion

N/A

#### **Body**

The ESB currently has two vacant positions on the board and received three applications. The interview process has been conducted and the process has moved forward to County Council for the appointment of the new members. The appointment will be made at the August 22, 2017, County Council meeting.

#### **Attachments**

N/A



August 17, 2017

Los Alamos, NM 87544 www.losalamosnm.us

Agenda No.:

**Index (Council Goals):** 

**Presenters:** Angelica Gurule

Legislative File: 9819-17

#### **Title**

Discuss Schedule to Conduct Residential Recycle Audit

#### **.Recommended Action Motion**

N/A

#### **Body**

The ESB will discuss the schedule to conduct a residential recycle audit. This data will be used to better understand the collection frequency requirements of the recycle program. Furthermore, the data will be used to set the collection frequency of the brush collection program.

#### **Attachments**

N/A



August 17, 2017

Los Alamos, NM 87544 www.losalamosnm.us

Agenda No.:

**Index (Council Goals):** 

**Presenters:** Angelica Gurule

Legislative File: 9817-17

#### **Title**

July 2017 Residential Sustainability Report

#### **Recommended Action Motion**

N/A

#### **Body**

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

#### **Attachments**

G - Residential Sustainability Report - July 2017

### **Residential Sustainability Report**





Recyclables Collected: 143.53 tons
Trash Collected: 445.81 tons
Compostable Materials Collected: 0 tons
Total Material Collected: 589.34 tons



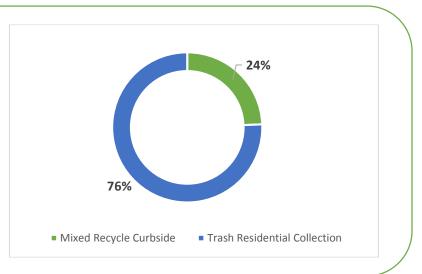
#### **Monthly Collection Report**

June Diversion Rate: 20%

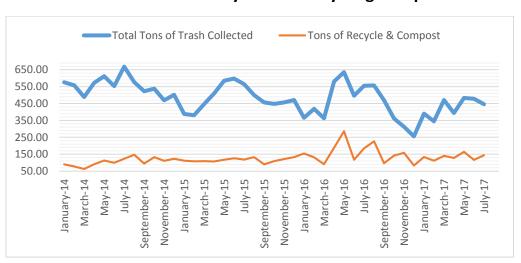
July Diversion Rate: 24%

A 25% Increase in Diversion

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



### **Month by Month Recycling Comparison**



Plastic Recycling Facts:

In 2014, plastics comprised about 13 percent of total MSW. The total plastic waste was 33.25 million tons of which only 3.17 million tons were recycled. So, the plastic recycling rate in 2014 was only 9.5 percent. 75.5 percent of total Plastic MSW was sent to landfills.

