



# County of Los Alamos

1000 Central Avenue  
Los Alamos, NM 87544

## Agenda - Final Environmental Sustainability Board

*Lisa Bakosi, Chair; Heather Ward, Vice-Chair; Susan Barns;  
Dorothy Brown; Amanda MacDonald; Warren Mazanec; and  
Heidi Rogers; Members*

---

Thursday, May 16, 2019

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**

[11971-19](#) Approval of the April 18, 2019, Environmental Sustainability Board  
Minutes

**Presenters:** Lisa Bakosi

**Attachments:** [A - Draft ESB Minutes April 18, 2019](#)

5. **BOARD BUSINESS**

[11975-19](#) Recycling Tax Proposal by James Tyldesley

**Presenters:** Lisa Bakosi

[11974-19](#) Save As You Throw Overview Presentation

**Presenters:** Lisa C Bakosi

**Attachments:** [B - SAYT Overview Presentation](#)

[11980-19](#) Discuss the 2019 Zero Waste Champion of the Year Award

**Presenters:** Lisa Bakosi

**Attachments:** [D - Zero Waste Champion of the Year Nomination  
Followup Questions](#)

6. **REPORTS**

**A. Chair's Report - Lisa Bakosi**

1. *B&C Luncheon*
2. *ESB Presentation to Council*

**B. Board Member Reports****C. Liaison's Reports**

- 1). Board of Public Utilities - Sue Barns
- 2). Planning and Zoning Commission - Vacant
- 3). Transportation Board - Heather Ward
- 4). Parks and Recreation Board - Heidi Rogers
- 5). Community Development Advisory Board - Warren Mazanec
- 6). County Council Liaison - Antonio Maggiore

**D. Subcommittee/Team Reports**

- 1). Save As You Throw - Sue Barns
- 2). Los Alamos Public Schools Subcommittee - Lisa Bakosi
- 3). Zero Waste Los Alamos - Dorothy Brown

**7. STAFF REPORT**

[11972-19](#) April 2019 Residential Sustainability Report

**Presenters:** Angelica Gurule

**Attachments:** [C - Residential Sustainability Report - April 2019](#)

[11981-19](#) Planning for Environmental Sustainability Board Upcoming and Past Events

**Presenters:** Angelica Gurule

**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 Environmental Services office at 662-8163 if a summary or other type of accessible format is needed.



# County of Los Alamos

## Staff Report

May 16, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

---

**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa Bakosi

**Legislative File:** 11971-19

---

### **Title**

Approval of the April 18, 2019, Environmental Sustainability Board Minutes

### **Recommended Action Motion**

I move that the Environmental Sustainability Board approve the April 18, 2019, minutes as presented.

Or

I move that the Environmental Sustainability Board approve the April 18, 2019 minutes as amended.

### **Body**

The ESB will review and approve the April 18, 2019, Environmental Sustainability Board Minutes.

### **Attachments**

A - Draft ESB Minutes April 18, 2019



# County of Los Alamos

1000 Central Avenue  
Los Alamos, NM 87544

## Minutes

### Environmental Sustainability Board

*Lisa Bakosi, Chair; Heather Ward, Vice-Chair; Susan Barns; Dorothy Brown; Amanda MacDonald; Warren Mazanec; and Heidi Rogers; Members*

---

Thursday, April 18, 2019

5:30 PM

1000 Central Avenue, Suite 110

---

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

The ESB Chair, Lisa Bakosi, called the meeting to order at 5:32 p.m.

The following members were in attendance:

Present: Board Chair Bakosi, Vice-Chair Ward, Member Barns, Member Mazanec, and Member Rogers

Absent: Member Brown and Member MacDonald

#### 2. PUBLIC COMMENT

None

#### 3. APPROVAL OF AGENDA

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

The motion passed unanimously.

#### 4. APPROVAL OF MINUTES

##### 11901-19

Approval of the March 21, 2019, Environmental Sustainability Board Minutes

**Presenters:** Lisa Bakosi

**Attachments:** [A - Draft ESB Minutes March 21, 2019](#)

A motion was made by Member Mazanec, seconded by Member Barns, that the March 21, 2019 minutes be approved as presented.

The motion passed 4-0 with Member Rogers abstaining.

#### 5. BOARD BUSINESS

##### 11903-19

Discuss the 2019 Recycler of the Year

**Presenters:** Lisa Bakosi

**Attachments:** [B - Recycler of the Year Nomination Followup Questions](#)

The ESB discussed the 2019 Recycler of the Year Award and made revisions to the award including categories and criteria to better align with waste reduction goals. Instead of two categories the ESB expanded it to five categories: Schools, Businesses, Non-Profit Organizations, Small Businesses and Restaurants.

Member Barns received a comment about the questions for Recycler of the Year Nominee that it had too many questions. The ESB shortened the questions to six questions instead of eleven.

Member Rogers suggested to change the title of the award to Zero Waste Champion. All members were in agreement.

**11904-19****Compost Operator Certification Presentation by Joshua Levings**

**Presenters:** Lisa Bakosi

**Attachments:** [C - Compost Operator Certification Presentation by Joshua Levings](#)

Senior Office Specialist Joshua Levings presented an update from the NMED Solid Waste Bureau Compost Operator Certification course. The ESB will continue to explore the possibility of food composting.

**11905-19****Zero Waste Team - Food Waste Reduction for Los Alamos Restaurants**

**Presenters:** Lisa Bakosi

**Attachments:** [zerowastefoodforESB](#)

The Zero Waste team presented their findings from visiting local restaurants to understand how to help reduce (primarily) food waste. With the conclusion that restaurants are eager for the County's proposed food-waste composting, they want the County to re-offer energy audits, want more recycle dumpsters more conveniently located closer to their businesses as well as cardboard dumpsters for each individual business.

**6. REPORTS****A. Chair's Report - Lisa Bakosi**

ESB Chair Bakosi thanked everyone for their time and efforts working towards sustainability. She met with the Co-op manager and found out that starting on Earth Day they will offer 15% off their bulk items, then once a month after that.

**B. Board Member Reports**

Member Barns received a comment from a resident regarding county vehicles idling while on the job. She wanted to know if there was any rules or regulations about idling cars.

**C. Liaison's Reports****1). Board of Public Utilities - Sue Barns**

Member Barns reported on the SMART meters that will be kicking off in June. The expectation of the first installments in August or September. The Board of Public Utilities had nine applicants for one open seat. The utilities manager Tim Glasco will be retiring this summer. Billing is getting better but there is still a lot of issues with the billing system and with the mobile app interface. There were ten water break lines due to the ground thawing and corrosion. They started to test the new water well in Otowi well #2 but NMED wanted proof that the water that will be pumped out is safe before they test with the pumping system. In the May meeting there will be a presentation on community solar garden and they want to increase solar at the landfill. The June meeting will include the quarterly conservation report.

**2). Planning and Zoning Commission - Vacant**

No report was provided.

**3). Transportation Board - Heather Ward**

Meeting was cancelled.

**4). Parks and Recreation Board - Heidi Rogers**

Member Rogers reported that the Parks and Recreation Board has the Youth Conservation Core Trail Building projects coming up in the summer. As well as they replanted the trees that were located where the new round-a-bout will be. They are going to talk about Round Up at another meeting and she proposed that the ESB put Round Up in the upcoming agenda.

**5). Community Development Advisory Board - Warren Mazanec**

Member Mazanec reported that the board reviewed code changes. He also mentioned that he will be talking at their next meeting about presenting for the Save As You Throw team.

**6). County Council Liaison - Antonio Maggiore**

Councilor Maggiore reported that the council is half way through their budget meetings. He also thanked the ESB for all the work they are doing.

**D. Subcommittee and Team Reports**

**1). Save As You Throw Research Subcommittee - Sue Barns**

Member Barns reported that they meet twice a month on Friday mornings. Currently they are planning their Earth Day booth.

**2). Los Alamos Public Schools Team - Lisa Bakosi**

Chair Bakosi reported that the middle school received their recycle bins and created two educational posters about recycling. She also reported about the meeting Angelica and herself went to with Los Alamos Public School Superintendent Kurt Steinhaus to discuss greener cafeteria and recycle in school.

**3). Zero Waste Los Alamos Team - Dorothy Brown**

Member Barns reported that the Zero Waste Team met and had a presentation by Tiffany Pegoda. Discussed ways to promote backyard composting. They also got to watch the Zero Waste Team - Food Waste Reduction for Los Alamos Restaurants presentation.

## 7. STAFF REPORT

Staff Liaison Angelica Gurule reported that the County Green Team will hold their Earth Day event at the municipal building and that they worked to get water bottle filling station for the County employees. Environmental Services has sent two loads of glass to Coors Miller. She also asked for volunteers to help at the Earth Day Festival at PEEC and upcoming zero waste concerts.

### 11907-19

#### March 2019 Residential Sustainability Report

**Presenters:** Angelica Gurule

**Attachments:** [E - Residential Sustainability Report - March 2019](#)

Staff Liaison Angelica Gurule discussed March's Residential Sustainability report.

## 8. PREVIEW OF UPCOMING AGENDA ITEMS

1. Save As You Throw Presentation
2. Round Up Issue
3. Science Fest Ideas for Booth

## 9. ADJOURNMENT

**A motion was made by Member Barns, seconded by Member Rogers that the March 21, 2019 meeting be adjourned. The meeting adjourned at 7:22 p.m.**

**The motion passed unanimously.**

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

May 16, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

---

**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa Bakosi

**Legislative File:** 11975-19

---

### **Title**

Recycling Tax Proposal by James Tyldesley

### **.Recommended Action**

N/A

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

N/A

### **Body**

James Tyldesley, Los Alamos High School student, will present a proposal to the ESB regarding a recycling tax.

### **Attachments**

N/A



# County of Los Alamos

## Staff Report

May 16, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

---

**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa C Bakosi

**Legislative File:** 11974-19

---

### **Title**

Save As You Throw Overview Presentation

### **Recommended Action**

N/A

### **Body**

The Save As You Throw (SAYT) Subcommittee will provide an overview about Save As You Throw and provide an update to the board regarding their recent meeting and research.

### **..Attachment**

**B - Save As You Throw Overview Presentation**

## Tiered Rates for Residential Trash Collection




---

---

---

---

---

---

---

---

## The Issues

Residential waste disposal by LAC Environmental Services is paid for through monthly fee (\$25) charged on Utility Bill

- provides support for all residential disposal services:
  - curbside trash, recycling and yard trimmings collection, transport and disposal; Eco Station services: "12 free loads", household hazardous waste, electronics recycling, glass recycling, tire recycling, mulching, assisted refuse service, Sullivan Field Recycle Center, Overlook Ctr., etc
- Costs go up** annually for pretty much everything
  - many are external (transportation, recycling, landfill, HHW, etc.)
  - recouped by rate hikes
- LAC Strategic Goals:** environmental stewardship, sustainability, quality of life, appropriate levels of county services
- LAC Sustainability Plan Goals:** reduce waste and Greenhouse Gasses, increase recycling

*One approach that can address all of these is switching to Tiered Rates aka. "Save-As-You-Throw" (SAYT)*

---

---

---







---

---

---

---

---

Current	vs. Tiered Rates
 = \$\$	 = \$\$\$
 = \$\$	 = \$\$
 = \$\$	 = \$
<b>same cost:</b> \$25	<b>cost based on</b> use

---

---

---

---

---

---

---

---

## Why Change?

- Tiered rates are more equitable, charge based on use, like electricity, gas, food, etc.
  - Gives residents more control over budgets
- Well-documented (>7000 US communities; >25 yrs.) to reduce trash, increase recycling
  - Saves \$\$, landfill space, resources, GHGs, etc.
- Reduced Waste = **Reduced cost to LAC**, reduced rate hikes
- Preferred by citizens (once implemented)
  - Third most favored approach to increasing LAC recycling, based on meetings and poll of residents
- Raises awareness of environmental/sustainability issues

---

---

---

---

---

---

---

---

## How does it work?

Several systems in use, two of the most widespread are:

### Tiered rate based on cart size



### Bag-based system

Residents buy special, required trash bags in stores; revenue from sales comes to LAC\*



\*Monthly base fees charged to all households cover basic service cost, prevents budget shortfalls

---

---

---

---

---

---

---

---

## How Effective is It?

"most effective way to decrease trash and increase recycling"  
—US EPA

Nationally, communities see:

Recycling participation by avg. 50%  
Tons recycled by avg. 50%  
Tons disposed by 15 - 50%

In addition...

- In 2/3 of communities, no budget increase
  - Most see savings overall, due to reduced material handling, transportation, landfill fees
- can significantly reduce GHG emissions (incl. methane)
  - quick and cheap way to reduce GHG, compared to renewable energy, electric vehicles, SMRs, etc.

---

---

---

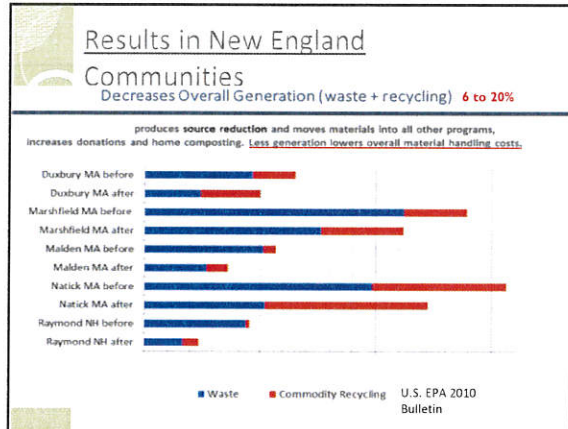
---

---

---

---

---




---

---

---

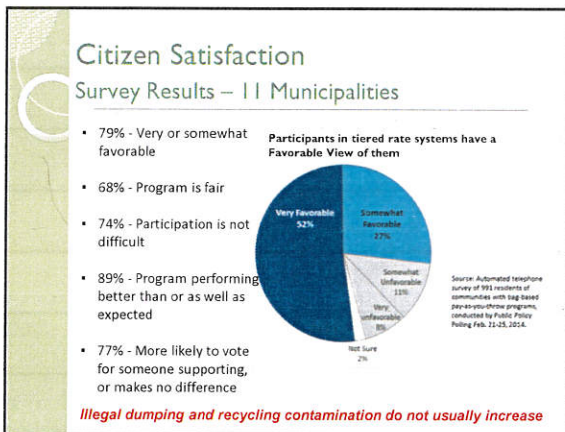
---

---

---

---

---




---

---

---

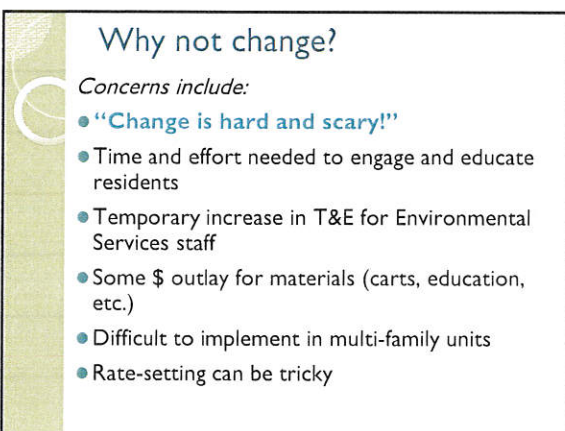
---

---

---

---

---




---

---

---

---

---

---

---

---

## Comments from Earth Day

1. I live in an apartment
2. Nice- good idea
3. More fair because some people go way over and some people go under
4. Sweden does a bag based system where different colors mean different types of material, we should look into it.
5. Good idea. Small carts best (easier to move and store)
6. We should look into reducing waste streams like food and compost first.
7. The smallest bin is still way too big for two people for a week. A bag-based system would be great.
8. I prefer the 3 sizes of trash cans.

---

---

---

---

---

---

---

---

## Other Comments

1. Need weekly recycling
2. One time a month brush pickup – easier to remember

---

---

---

---

---

---

---

---

## Interested in SAYT?

- SAYT Research Subcommittee meets every other Friday 9 a.m. at EcoStation. All are welcome!
- contact us at [ESB@lacnm.us](mailto:ESB@lacnm.us)
- SAYT Open House at 5:30, June 20, Municipal Building. Snacks provided!
- more information, FAQs, schedule of events @ [losalamosnm.us/gogreen](http://losalamosnm.us/gogreen)

---

---

---

---

---

---

---

---



# County of Los Alamos

## Staff Report

May 16, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

---

**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa Bakosi

**Legislative File:** 11980-19

---

### **Title**

Discuss the 2019 Zero Waste Champion of the Year Award

### **Recommended Action Motion**

N/A

### **Body**

The ESB discussed the award categories, criteria, name and process at the April 2019 meeting. The following changes were made. The award name was changed from Recycler of the Year Award to Zero Waste Champion Award to be more inclusive of all sustainability issues. The categories were also enhanced from two categories - Educational Institute and Business/Non-Profit, to five categories - Schools, Business, Small Business, Restaurant, and Non-Profit Organizations. The winners will be announced at the Chamber of Commerce Banquet on June 7th, and at Chamber Fest on June 8th.

Tentative Timeline:

- April 18 - discussed and defined 2019 Business Recycler of the Year categories and criteria
- April 27 (starting at Earth Day) - Began accepting nominations for Zero Waste Champion of the Year
- May 17 - Deadline for nominees to accept and complete follow-up questions
- May 20 - Nominations and responses are submitted to public for vote using Survey Monkey
- June 7/8th - Winners will be announced at 2019 Los Alamos Chamber of Commerce Business Awards Reception and at Chamber Fest

### **Attachments**

D - Zero Waste Champion of the Year Nomination Follow up Questions

## Zero Waste Champion of the Year Nominee Follow-up Questions

Name of Organization: \_\_\_\_\_

Contact Information: \_\_\_\_\_

**Your organization has been nominated for the Zero Waste Champion of the Year award. Please describe this organization's efforts to reduce waste in our community by answering the questions below.**

- 1. Tell us about your reuse and recycling program (including what materials are recycled) and your use of recycle and/or environmentally preferred supplies.**
- 2. Please describe how the organization has integrated environmental concerns into their products and services if applicable.**
- 3. Does the organization educate and support their consumers and/or employees in reducing waste or re-using or recycling materials? Please elaborate or provide examples.**
- 4. Does the organization have a mission that includes a positive environmental impact? Tell us about it.**
- 5. What else would you like us to know?**





# County of Los Alamos

## Staff Report

May 16, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

---

**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Angelica Gurule

**Legislative File:** 11972-19

---

### **Title**

April 2019 Residential Sustainability Report

### **Recommended Action Motion**

N/A

### **Body**

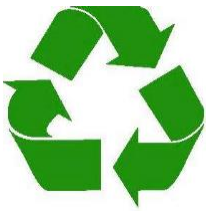
The ESB will review and discuss the April 2019 Residential Sustainability Report. The data now includes more data and graphs that will demonstrate overall diversion as a result of the new yard trimming program which began on July 9, 2018.

The yard trimming collection began on March 18, 2019.

Most recent additions to the report include greenhouse gas emissions reduced by recycling and composting.

### **Attachments**

C - Residential Sustainability Report - April 2019



# Residential Sustainability Report

Service Period: April 2019

March Diversion Rate: 24%

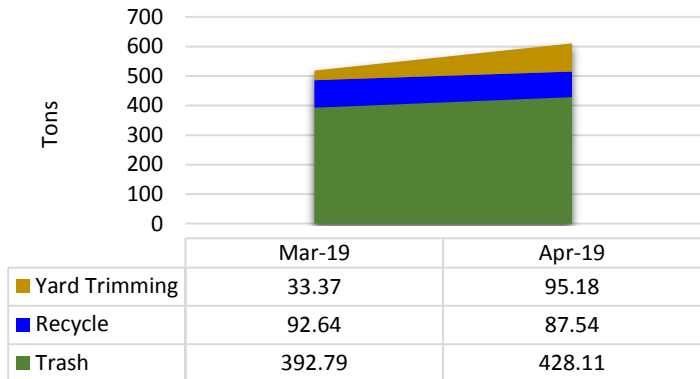
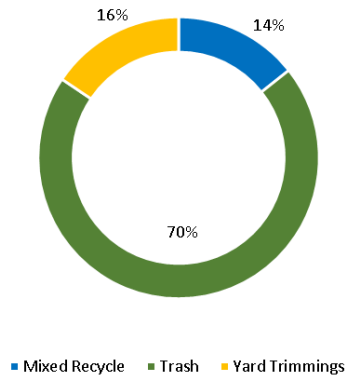
April Diversion Rate: 30%



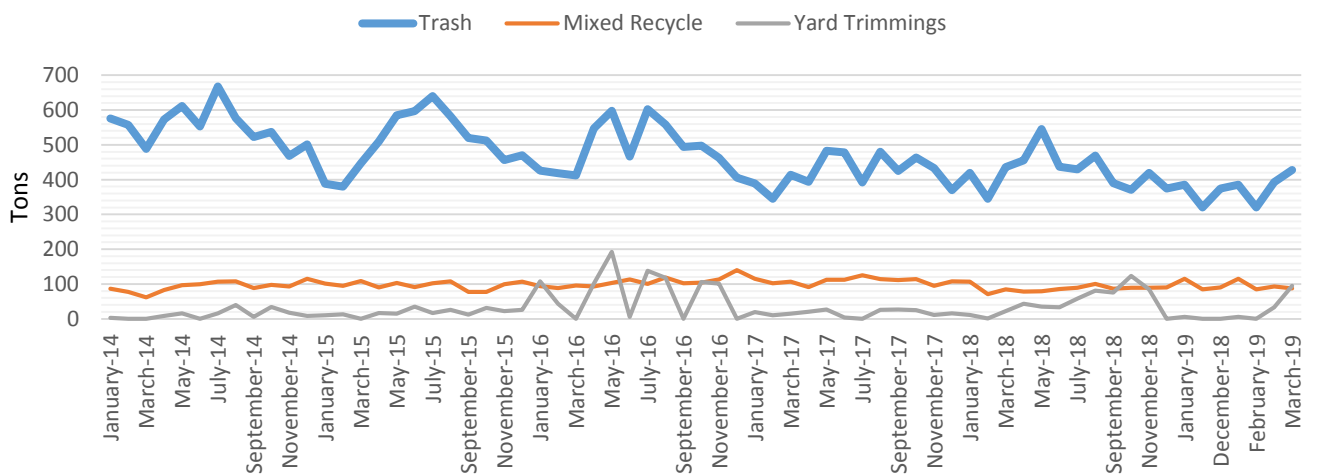
LOS ALAMOS

The *diversion rate* is the percent of recyclable and compostable material diverted from the landfill.

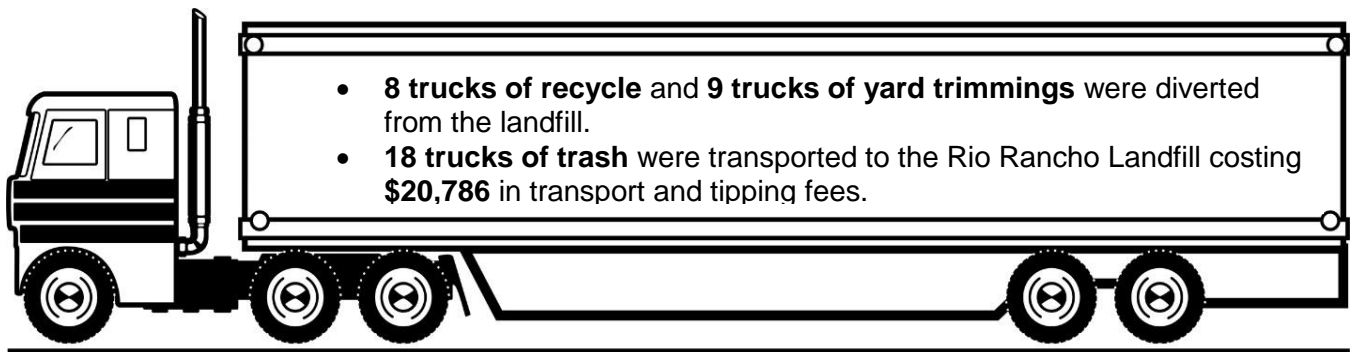
## Monthly Collection Report



In April by recycling and composting Los Alamos County reduced GHG emissions by ~487 tons



In 2019 by recycling and composting Los Alamos County reduced GHG emissions by ~1568 tons



For more information contact Environmental Services Division at 505.662.8163 or email [solidwaste@lacnm.us](mailto:solidwaste@lacnm.us)



# County of Los Alamos

## Staff Report

May 16, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

---

**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Angelica Gurule

**Legislative File:** 11981-19

---

### **Title**

Planning for Environmental Sustainability Board Upcoming and Past Events

### **...Suggested Motion**

N/A

### **Body**

The ESB will discuss past events and plan for upcoming events.

April 27, 2019 - Earth Day at PEEC Nature Center 10am to 2pm

May 14, 2019 - ESB Presentation to County Council

May 16, 2019 - ESB at Farmer's Market

May 18, 2019 - Clean Up Los Alamos Day

May 21, 2019 - Presentation to League of Women Voters

May 24, 2019 - First Zero Waste Summer Concert Series

May 31, 2019 - Second Zero Waste Summer Concert Series

June 7, 2019 - Third Zero Waste Summer Concert Series

June 7, 2019 - Chamber Fest Banquet Announce Zero Waste Champions

June 8, 2019 - Booth at Chamber Fest Announce Winner Zero Waste Champions

June 20, 2019 - Open House for Save As You Throw at ESB Meeting

June 20, 2019 - ESB at Farmer's Market

July 13, 2019 - Science Fest Discovery Day

### **Attachments**

N/A