



# 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; Warren Mazanec; and Heidi Rogers; Members*

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Thursday, February 21, 2019

5:30 PM

1000 Central Avenue, Suite 110

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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**

[11717-19](#) Approval of the January 17, 2019, Environmental Sustainability Board Minutes

**Presenters:** Lisa Bakosi

**Attachments:** [A - Draft ESB Minutes January 17, 2019](#)

5. **BOARD BUSINESS**

[11718-19](#) Finalize and Approve FY20 ESB Work Plan

**Presenters:** Lisa Bakosi

**Attachments:** [B - DRAFT FY20 ESB Work Plan](#)

[11719-19](#) Review and Discuss the Environmental Services FY19 Quarter 2 Financial Report

**Presenters:** Lisa Bakosi

**Attachments:** [C - FY19 Budget Performance](#)

[11720-19](#) Discussion of Tiered Rates for Residential Trash Collection

**Presenters:** Lisa Bakosi

**Attachments:** [D - Tiered Rates Presentation](#)

[11721-19](#) Review and Discuss 2018 NMED Annual Report

**Attachments:**[E – 2018 NMED Annual Report for Eco Station](#)[F - NMED Annual Report Cumulative Data](#)**6. REPORTS****A. Chair's Report - Lisa Bakosi****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/Don Machen****4). Parks and Recreation Board - Heidi Rogers****5). County Council Liaison - Antonion Maggiore****D. Subcommittee Reports****1). Los Alamos Public Schools Subcommittee - Angelica Gurule****2). Zero Waste Los Alamos - Sue Barns****7. STAFF REPORT**[11722-19](#) January 2019 Residential Sustainability Report**Presenters:** Angelica Gurule**Attachments:** [G - Residential Sustainability Report - January 2019](#)[11723-19](#) Planning for Environmental Sustainability Board Upcoming 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 Community Services Administration Office at 662-8163 if a summary or other type of accessible format is needed.



# County of Los Alamos

## Staff Report

February 21, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

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**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa Bakosi

**Legislative File:** 11717-19

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### **Title**

Approval of the January 17, 2019, Environmental Sustainability Board Minutes

### **Recommended Action Motion**

I move that the Environmental Sustainability Board approve the January 17, 2019, minutes as presented.

Or

I move that the Environmental Sustainability Board approve the January 17, 2019 minutes as amended.

### **Body**

The ESB will review and approve the January 17, 2019, Environmental Sustainability Board Minutes.

### **Attachments**

A - Draft ESB Minutes January 17, 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; Warren Mazanec; and Heidi Rogers; Members*

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Thursday, January 17, 2019

5:30 PM

1000 Central Avenue, Suite 110

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

The ESB Vice-Chair, Heather Ward, called the meeting to order at 5:30 p.m. The following members were in attendance:

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

Absent: Board Chair Bakosi

#### 2. PUBLIC COMMENT

None

#### 3. APPROVAL OF AGENDA

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

The motion passed unanimously.

#### 4. APPROVAL OF MINUTES

[11578-19](#) Approval of the December 20, 2018, Environmental Sustainability Board Minutes

**Presenters:** Lisa Bakosi

**Attachments:** [A - Draft ESB Minutes December 20, 2018](#)

A motion was made by Member Rogers, seconded by Member Barns, that the December 20, 2018 minutes be approved as presented.

The motion passed unanimously.

#### 5. BOARD BUSINESS

[11579-19](#) Presentation of 2018 October EcoChallenge Award Winners

**Presenters:** Lisa Bakosi

**Attachments:** [B - 2018 October Ecochallenge Presentation](#)

Staff Liason, Angelica Gurule, presented on the environmental impact Los Alamos County

had during the Eco Challenge. In Los Alamos there were 95 participants and 9 teams. Staff Liaison Gurule presented awards to individual winners. Heather Ward, 1st place, Susan Hettinga, 2nd place, and Angelica Gurule, 3rd place. Staff Liaison Gurule presented the team winner to Chamisa Elementary Green Team. They received the traveling Eco Challenge trophy and a certificate of achievement.

**11581-19**      Composting of Food Waste at Reunity Resources by Dorothy Brown

**Presenters:**      Lisa Bakosi

**Attachments:**    [C - Composting of Food Waste at Reunity Resources](#)

ESB member, Dorothy Brown, provided an overview of the Reunity Resources tour and how they are successfully composting food waste. Members of the Zero Waste team toured Reunity Resources and learned about how they partner with schools and restaurants to collect and compost food waste in Santa Fe, NM.

**11582-19**      Identification of Regional Composting Facility Sites and Its Costs by Philo Shelton

**Presenters:**      Lisa Bakosi

**Attachments:**    [D - Identification of Regional Composting Facilities and Costs by Philo Shelton](#)

Public Works Director, Philo Shelton presented his research project *Identification of Regional Composting Facility Sites and Its Costs*.

Transportation Liaison, Don Machen commented.

Member Mazanec commented.

Member Barns commented.

The ESB is continuing to explore the possibility of food composting.

**11583-19**      Draft FY20 ESB Work Plan

**Presenters:**      Angelica Gurule

**Attachments:**    [E - DRAFT FY20 ESB Work Plan](#)

The ESB reviewed changes to the draft FY20 Work Plan. Staff Liaison, Angelica Gurule, asked ESB members to email additional recommendations to her prior to the next meeting. The FY20 Work Plan will be brought back next month for approval.

## **6.      REPORTS**

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

Vice Chair Ward reported that items discussed during the B & C luncheon included: Projects around town such as the 502 and NM4 new housing units.

### **B.      Board Member Reports**

Vice Chair Ward reported the increase of members on the Zero Waste Facebook page.

**C. Liaison's Reports/Team Updates**

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

Member Barns reported that items discussed at the Board of Public Utilities meeting included: the County meeting with NNSA to negotiate power pool agreement, water right contract and water right lease. Otowi Well No. 2 got drilled and they project that construction will be finished by March 13th and will put in the pumps right after. Jack Richardson presented status update on water system and usage. Smart meter opt-out was tabled and will be presented to County Council before bringing the subject back to the board. There will be an update in February about using small modular nuclear reactors. No vote until Fall 2019.

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

Vice Chair Ward reported about the new housing units project that are being built within the next few years.

**3). Transportation Board - Heather Ward/Don Machen**

Transportation Liaison Don Machen reported that an Engineering staff presented changes and the engineering design of the housing projects. The County Engineer presented on the housing area in the old AC area with the issue of the old DOE area having one entrance and exit.

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

Member Rogers reported that there was an update on the Ice Rink and the Hell's Hole entrances were being investigated and that one entrance will be closed off until it's made safer for the public use.

County Council Pete Sheehey commented.

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

County Council Liaison Pete Sheehey reported that this was his last meeting and he will be on the Board of Public Utilities. ESB will get a new County Council Liaison by next meeting. The GRT issue was discussed and explained.

Member Barns commented.

**6). Los Alamos Public Schools Team- Angelica Gurule**

Staff Liaison Angelica Gurule reported that she will be working with Barranca Elementary School and conducting a waste audit with them.

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

Member Brown reported the ZWLA team is looking at local food waste and how to prevent it and gave an overview on the LA Daily Post articles that are being created.

Staff Liaison Angelica Gurule commented.

**7. STAFF REPORT**[11584-19](#)

December 2018 Residential Sustainability Report

**Attachments:** [F - Residential Sustainability Report - December 2018](#)

Staff Liaison Angelica Gurule reported that the residential diversion is 19% in December. The Environmental Services have ordered larger recycle rollcarts (96 gallons) that should arrive beginning of February.

**8. PREVIEW OF UPCOMING AGENDA ITEMS**

1. Approval of FY20 Work Plan
2. LA Scores - Quarterly Financial Report
3. Christmas Tree Report

**9. ADJOURNMENT**

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

**The meeting adjourned at 7:10 p.m.**

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# County of Los Alamos

## Staff Report

February 21, 2019

Los Alamos, NM 87544  
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**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa Bakosi

**Legislative File:** 11718-19

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### **Title**

Finalize and Approve FY20 ESB Work Plan

### **.Recommended Action**

**I move that the Environmental Sustainability Board approve the FY20 Work Plan as presented.**

**Or**

**I move that the Environmental Sustainability Board approve the FY20 Work Plan as amended.**

### **Body**

The ESB will finalize and approve the FY20 Work Plan related to the department's priorities and the board's responsibilities.

Tentative Sequence for Preparation/Review of FY20 Work Plans

Dec 2018 - ESB reviewed the FY19 work plan and discussed potential items for the FY20 work plan related to the department's priorities and the board's responsibilities.

Jan 2019 - ESB receive draft FY20 work plan. Submit comments individually to Staff Liaison, Angelica Gurule

Feb 2019 - ESB to approve and submit FY20 work plan to County Council for approval.

### **Attachments**

**B - ESB FY20 Draft Work Plan**



LOS ALAMOS  
where discoveries are made

## **DRAFT FY20 Work Plan for Los Alamos County Boards and Commissions**

**(Fiscal Year 2020: July 1, 2019 – June 30, 2020)**

**Board and Commission Name: Environmental Sustainability Board**

**Date prepared: January 11, 2019    Date approved by Council: \_\_\_\_\_**  
**Prepared by: Angelica V. Gurule**

**This work plan will be accomplished in the following time frame:**  
**From: July 1, 2019 to June 30, 2020**

**Chairperson: Lisa Bakosi                      Term: July 31, 2019**

<b>Members and terms:</b>	
<b>Warren Mazanec</b>	<b>July 31, 2020</b>
<b>Dorothy Brown</b>	<b>July 31, 2020</b>
<b>Amanda MacDonald</b>	<b>July 31, 2021</b>
<b>Heidi Rogers</b>	<b>July 31, 2019</b>
<b>Heather Ward</b>	<b>July 31, 2019</b>
<b>Lisa Bakosi</b>	<b>July 31, 2020</b>
<b>Susan Barns</b>	<b>July 31, 2020</b>

**Department Director: Philo S. Shelton III**

**Work plan developed in collaboration with Department Director?(Y/N?) Yes**

**Staff Liaison: Angelica Gurule**

**Administrative Support provided by: Public Works Staff**

**Council Liaison: Antonio Maggiore    Reviewed by Council Liaison? Yes**

**1.0 Provide a brief Summary of your Board or Commission’s activities over the past twelve months. Please describe your Board or Commission’s accomplishments and identify constraints. List any “lessons learned” and identify the greatest challenges faced by the Board or Commission.**

- Received Recycling and Illegal Dumping (RAID) grant to for LAPS water bottle filling stations and yard trimming roll carts
- Implemented Yard Trimming Roll Cart Program to 50% of households – same here, is it too much to list how many households in parentheses? My mind wondered. Maybe others would too.
- Conducted residential roll cart survey of recycling and trash carts to understand volume of material and size of roll carts in use
- Developed Zero Waste Team
  - Team activities included: Development of Zero Waste posters, handouts, website, Facebook group, article in PEEC Nature Notes, and monthly article series in Los Alamos Daily Post; presentations on waste reduction at Ignite Los Alamos, KRSN, and Voices of Los Alamos; initiation of food waste reduction campaign; China Ban, NM Recycling Conference, and other recycling issues; support at Recycle Fashion Show and other events.
- Hosted Clean Up Los Alamos Day
- Received the following presentations:
  - At Home Composting Basics by KokHeong McNaughton
  - Food Waste Presentation by Sue Barns
  - Illegal Dumping Boots on the Ground Presentation by Joshua Levings
  - Overview of EPA Pay As You Throw Webinar by Sue Barns
  - Repurposing Discarded Items Presentation by Mark Devolder
  - Recycle Coach Presentation by Tiffany Pegoda
  - Waste Zero Overview by Sue Barns
- Supported first Zero Waste event at PEEC, Bear Festival Buffet, and 2018 October EcoChallenge
- Toured ReUnity Resources, food composting facility in Santa Fe, NM
- Awarded Business and Educational Institute Recycler of the Year

- Co-Sponsored the Recycle Fair & Fashion Show with Los Alamos Public Schools in celebration of America Recycles Day
- Discussion items included:
  - Installation of Sunflower Art Piece by Ed Grothus at the Transfer Station
  - Los Alamos High School Eco Club regarding the progress of the plastic bag tax initiative
  - Environmental Services Quarterly Financial Updates
  - Closed landfill methane issues and remediation progress
- Conducted education and outreach activities at the following events:
  - Science Festival
  - Earth Day Festival
  - Bear Festival
  - Bike-to-Work Week
  - Farmer's Market

**2.0 Describe the future work plans for this Board or Commission using the following items and showing the relationship to those items: *(Please remember that Council approval of this work plan does not constitute official Council approval of proposed projects, assignments, or anticipated recommendations included in this work plan that have budget implications.)***

**2.1 List any special projects or assignments given to this Board or Commission by Council or the Department director:**

- Host annual LA Clean Up Day
- Continue researching Save-As-You-Throw
- Research and develop rates to balance budget for Environmental Services operations
- Implement education and outreach software solution to reduce recycling contamination and educate residents on Environmental Services programs
- Contribute, as appropriate, to the implementation of the Yard Trimming Collection program (3<sup>rd</sup> bin for organic yard trimming material)

**2.2 List the guiding documents/plans (with approval or revision dates listed) used by this Board or Commission.**

- Environmental Sustainability Initiative
- Environmental Sustainability Plan – Approved by ESB December 2017
- Environmental Sustainability Board Work Plan
- Los Alamos County Transfer Station Operation Plan

**2.3**

**Other projects/assignments proposed by the Board or Commission: (*Any projects or activities proposed in this section should be discussed with the Council Liaison prior to listing it in this work plan.*) To assist with Council review of the work plans, please list the B&C's proposed projects or assignments in priority order.**

- Launch Food Waste Prevention Campaign focusing on food prevention, food rescue, and food recovery
- Promote back yard composting for food waste diversion
- Implement and promote educational recycling software (i.e. Recycle Coach/Recycle Bank)
- Update Environmental Sustainability Plan
- Research and become knowledgeable about Project Drawdown in support of carbon reduction goals
- Participate in Bear Festival and other educational outreach to promote wildlife awareness
- Develop and implement environmental education and outreach materials and distribute to customers
- Monitor composting program
- Host Business and Educational Institution Recycler of the Year Contest
- Further develop partnerships with organizations such as PEEC, LAPS, and UNM-LA
- Work with LAPS to educate and implement waste diversion programs including zero waste lunches, reduce, recycle, reuse and composting
- Continue researching other glass recycling options

- Host Recycle Fair and Fashion Show
- Continue to investigate Waste to Energy Methods
- Promote and participate in EcoChallenge
- Strive to make the Summer Concert Series a “zero waste” event (I think you already said you added this)

**3.0 Identify any interfaces for the goals/tasks in this work plan with County Departments and other Boards and Commissions. Specify the coordination required.**

- Continue to nurture and strengthen relationship with BPU and DPU to support energy and water conservation
- Partner with Parks and Recreation Board on sustainability issues regarding CIP projects
- Continue outreach to other county boards and commissions regarding environmental sustainability
- Liaison with Tourism Implementation Task Force, as needed
- Liaison with Tourism Implementation Task Force on environmental impacts of increased tourism, as needed.

**4.0 List any special public information or involvement meetings or efforts to be conducted by this Board or Commission:**

The ESB will sponsor the events with an asterisk\* and will host outreach and educational booths at the other events listed below to educate, share information, and solicit input from LAC residents and customers. The ESB will provide prior notification to the public utilizing a minimum of one media platform such as but not limited to: Facebook, press release, LA Daily Post paid advertisement, Environmental Services website, LA Monitor paid advertisement, KRSN interview or advertisement, bill insert, newspaper insert, LAVA Flyers, and/or County Line Newsletter. The ESB may also utilize County Open Forum Survey as a resource to solicit public input. The cost for the ESB public outreach efforts is budgeted in the Environmental Services budget.

- Earth Day Festival
- Bear Festival
- Summer Concerts
- Green Team Event\*
- County Fair Event
- Science Festival

- Chamber Festival
- Farmer's Market (2 events)
- Recycle Fashion Show\*
- Eco Challenge\*
- Zero waste, recycling and/or composting workshops or lectures at PEEC and Los Alamos clubs\*

<b>5.0 List the current subcommittees for this Board or Commission.</b>
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**5. 1 For subcommittees with members that are not members of the parent board or commission: List the subcommittee members and their terms.**

**Explain how sub- committee members are selected or appointed.**

**Provide a description of each subcommittee's charter or purpose.**

**Describe the expected duration for the subcommittee and their work plan(s) demonstrating how they support the Board or Commission:**

**Work Plan:**

<b><u>Attachment A:</u> Provide a copy of your Board or Commission's "Purpose" and "Duties and Responsibilities" from Chapter 8 of the County Code:</b>
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- **Sec. 8-231. - Purpose.** The environmental sustainability board is established to serve as the central point of contact for environmental sustainability issues and as an advisory body to the county council on environmental sustainability issues.

(Ord. No. 02-078, § 2, 10-3-2006; Ord. No. 02-094, § 2, 6-10-08)

- **Sec. 8-232. - Membership, terms and qualifications.** The board shall consist of seven members. The members shall serve for staggered two-year terms beginning on August 1 and

ending on July 31, except that three members on the initial board shall only serve for one-year terms.

(Ord. No. 02-078, § 2, 10-3-2006; Ord. No. 02-094, § 3, 6-10-08)

- **Sec. 8-233. - Duties and responsibilities.** The environmental sustainability board shall serve in an advisory capacity to the county council and shall have the following functions, responsibilities and duties:

- (1) Gather and provide citizen input to staff and council on ways to improve the county's environmental sustainability and on proposed environmental sustainability policies, programs and services. For this purpose, the board shall gather public input in ways appropriate to the circumstances.
- (2) Recommend ways to involve and educate the community on environmental sustainability issues. Review and comment on public involvement and information plans (PIIPs) related to environmental sustainability projects outside the department of public utilities.
- (3) Review and comment to council on environmental sustainability master plans.
- (4) Review all environmental sustainability related matters submitted to the board by council.
- (5) Coordinate with other boards as appropriate on environmental sustainability activities.

(Ord. No. 02-078, § 2, 10-3-2006; Ord. No. 02-094, § 4, 6-10-08)

**Attachment B: Using the chart below, place an X in the column on the right if the Council Goal is related to the work of the Environmental Sustainability Board**

**Mark all that apply**

<b>Communication and Transparency</b>	
<b>Ongoing Improvement in Communication and Transparency in County Policy Setting</b>	
<b>Increasing the Amount and Types of Housing Options</b>	
This includes a variety of housing options for all segments of the community, from affordable, entry level, and live-work housing to new options for those interested in downsizing or moving closer to central areas of the community.	
<b>Enhancing Support and Opportunities for the Local Business Environment</b>	
This includes appropriate support for existing businesses, growing new businesses, and supporting technology start-ups and spin-offs.	X
<b>Addressing Long-Term Building Vacancies in Key Areas of Our Community</b>	
Land availability in Los Alamos County, and in particular the downtown areas, is limited and there is a desire to work towards better utilization, opportunities for new businesses, and improved aesthetics.	
<b>Protecting and Maintaining Our Open Spaces, Recreational, and Cultural Amenities</b>	
Los Alamos County open spaces and cultural attractions are greatly valued by the community provide opportunities for recreational and economic growth; appropriately allocating resources to ensure their health and sustainability is important to our citizens.	X
<b>Supporting Social Services Improvement</b>	
Behavioral, mental and physical health and social services are important quality of life components; there are key areas where appropriate types and levels of county support could help address current needs.	
<b>Investing in Infrastructure</b>	
Appropriately balancing maintenance of existing infrastructure with new investment in county utilities, roads, facilities and amenities will help improve environmental stewardship, sustainability, and quality of life.	X
<b>Planning for Appropriate Levels of County Services</b>	
Making sure we understand the level of services our citizens want will allow us to make appropriate investments in processes and staff to achieve them.	X



# County of Los Alamos

## Staff Report

February 21, 2019

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**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa Bakosi

**Legislative File:** 11719-19

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### **Title**

Review and Discuss the Environmental Services FY19 Quarter 2 Financial Report

### **Recommended Action Motion**

N/A

### **Body**

The ESB will review and discuss the Environmental Services financial report for FY19 quarter 2 (October 1, 2018 - December 31, 2018).

Changes to business operations include the following:

- Santa Fe Solid Waste Management Agency stopped accepting glass on January 18, 2019. Environmental Services is exploring alternative glass recycling vendors.
- MCT, hauling contractor, increased rates by 7.1%.
- Waste Management, trash disposal contractor, increased rates by 3.2%.

### **Attachments**

C - FY19 Budget Performance

FY19 Environmental Services Costs

Residential		Costs	Q1	Q2	FY19
		Trash Labor	\$ 26,671	\$ 19,898	\$ 46,569
		Yard Trimming Labor	\$ 19,174	\$ 14,327	\$ 33,501
		Yard Trimming Trans.	\$ 10,984	\$ 2,034	\$ 13,017
		Overlook Labor	\$ 6,410	\$ 4,783	\$ 11,193
		HHW Labor	\$ 6,843	\$ 5,133	\$ 11,976
		Brush/Compost Labor	\$ 4,121	\$ 1,189	\$ 5,309
		Recycle Labor	\$ 16,983	\$ 12,548	\$ 29,531
		Glass Labor	\$ 395	\$ 295	\$ 690
		Scale Labor	\$ 32,548	\$ 23,618	\$ 56,167
		Transfer Station Labor	\$ 21,624	\$ 20,270	\$ 41,894
		Trash Disp. & Trans.	\$ 103,195	\$ 87,131	\$ 190,327
		Recycle Disp. & Trans.	\$ 18,533	\$ 19,916	\$ 38,449
		Equipment IDC	\$ 67,705	\$ 66,958	\$ 134,663
		Outside Services	\$ 467	\$ -	\$ 467
		Other Services	\$ -	\$ 108	\$ 108
		Materials/Supplies	\$ 42,029	\$ 16,929	\$ 58,958
		Admin/Overhead	\$ 154,062	\$ 114,434	\$ 268,496
		<b>Total Cost</b>	\$ 531,744	\$ 409,571	\$ 941,315
Commercial					
Roll Offs	Roll Off Labor	\$ 8,738	\$ 6,536	\$ 15,274	
	Scale Labor	\$ 778	\$ 238	\$ 1,016	
	Transfer Station Labor	\$ 2,670	\$ 1,400	\$ 4,070	
	Trash Disp. & Trans.	\$ 17,632	\$ 9,499	\$ 27,131	
	Equipment IDC	\$ 11,341	\$ 11,341	\$ 22,682	
	Materials/Supplies	\$ -	\$ 3,103	\$ 3,103	
	Admin/Overhead	\$ 15,876	\$ 12,453	\$ 28,329	
		\$ 57,035	\$ 44,569	\$ 101,605	
Dumpsters	Dumpster Trash Labor	\$ 20,443	\$ 15,336	\$ 35,779	
	Dumpster Recycle Labor	\$ 19,513	\$ 14,609	\$ 34,122	
	Scale Labor	\$ 1,450	\$ 1,278	\$ 2,729	
	Transfer Station Labor	\$ 11,365	\$ 8,461	\$ 19,825	
	Trash Disp. & Trans.	\$ 37,315	\$ 36,548	\$ 73,863	
	Recycle Disp. & Trans.	\$ 7,743	\$ 7,978	\$ 15,721	
	Cardboard Trans.	\$ 640	\$ 869	\$ 1,509	
	Equipment IDC	\$ 28,766	\$ 26,856	\$ 55,622	
	Materials/Supplies	\$ 2,719	\$ 39,687	\$ 42,406	
	Admin/Overhead	\$ 50,128	\$ 58,788	\$ 108,916	
		\$ 180,082	\$ 210,410	\$ 390,492	
		<b>Total Cost</b>	\$ 237,118	\$ 254,979	\$ 492,097
Transfer Station	Transfer Station Labor	\$ 16,323	\$ 13,606	\$ 29,929	
	Scale Labor	\$ 7,357	\$ 6,232	\$ 13,589	
	Recycling Labor	\$ 8,046	\$ 5,981	\$ 14,027	
	Trash Disp. & Trans.	\$ 22,743	\$ 27,455	\$ 50,197	
	Recycle Disp. & Trans.	\$ 3,180	\$ 3,830	\$ 7,009	
	Cardboard Trans.	\$ 4,061	\$ 4,839	\$ 8,900	
	Yard Trimmings Trans.	\$ 5,198	\$ 2,034	\$ 7,231	
	Outside Services	\$ -	\$ -	\$ -	
	Other Services	\$ 300	\$ 10,405	\$ 10,705	
	Equipment IDC	\$ 6,670	\$ 7,589	\$ 14,259	
	Materials/Supplies	\$ 2,370	\$ 197	\$ 2,566	
	Admin/Overhead	\$ 29,411	\$ 31,859	\$ 61,270	
		<b>Total Cost</b>	\$ 105,659	\$ 114,025	\$ 219,684
	<b>Grand Total Cost</b>		\$ 874,520	\$ 778,576	\$ 1,653,096

Quarter 2 Summary				
OPERATING EXPENSES	Cost	Revenue	Gain/Loss	
Residential	\$409,570.92	\$547,864.44	\$138,293.52	
Roll Off	\$44,569.50	\$19,120.60	(\$25,448.90)	
Dumpsters	\$210,409.98	\$174,527.53	(\$35,882.45)	
Transfer Station	\$114,025.35	\$103,746.25	(\$10,279.09)	
Interest	\$0.00	\$2,326.32	\$2,326.32	
Total	\$778,575.75	\$847,585.15	\$69,009.40	

		Q1	Q2	
Landfill	Closure/Post Closure Labor	\$ 2,161	\$ 1,618	\$ 3,778
	Outside Services/Materials	\$ 96,370	\$ 52,089	\$ 148,459
	Total Cost	\$ 98,530	\$ 53,707	\$ 152,237

FY19 TS Loan Payments	Principal	\$ 58,644	\$ 58,646	\$ 117,290
	Interest	\$ 23,014	\$ 23,014	\$ 46,028
	Total Cost	\$ 81,658	\$ 81,659	\$ 163,317

FY18 TS Loan Payments	Principal	\$ 45,836	\$ 30,558	\$ 76,394
	Interest	\$ 44,575	\$ 29,520	\$ 74,096
	Total Cost	\$ 90,412	\$ 60,078	\$ 150,490

Difference From Previous FY	Principal	\$ 12,808	\$ 28,088	\$ 40,896
	Interest	\$ (21,562)	\$ (6,507)	\$ (28,068)
	Total Difference	\$ (8,754)	\$ 21,581	\$ 12,827

Net Revenue with Landfill Costs		\$ (83,370)	\$ 15,303	
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FY19 Environmental Services Revenues

Residential		Revenues	Q1	Q2	FY19
		Rates	\$ 509,961	\$ 547,864	\$ 1,057,826
		RAID Grant	\$ 31,625		\$ 31,625
		Total Revenue	\$ 541,586	\$ 547,864	\$ 1,089,451

Commercial					
Roll-off		Q1	Q2		FY19
	Rates	\$ 36,270	\$ 19,121	\$ 55,391	
		\$ 36,270	\$ 19,121	\$ 55,391	

	Q1	Q2	FY19
Rates	\$ 157,813	\$ 159,467	\$ 317,280
I/F Charges	\$ 12,126	\$ 14,378	\$ 26,504
OCC Sales	\$ 873	\$ 683	\$ 1,556
	\$ 170,812	\$ 174,528	\$ 345,339
<b>Total Revenue</b>	\$ 207,082	\$ 193,648	\$ 400,730

	Q1	Q2	FY19
Comm. Trash	\$ 33,510	\$ 33,031	\$ 66,541
Comm. Const.	\$ 22,896	\$ 9,954	\$ 32,851
Comm. Tire	\$ 4,102	\$ 5,445	\$ 9,548
Comm. Brush	\$ 8,689	\$ 6,884	\$ 15,572
LANL Trash	\$ 30,178	\$ 23,673	\$ 53,851
LANL Brush	\$ 2,397	\$ 520	\$ 2,917
LANL Construction	\$ 898	\$ -	\$ 898
Concrete/Asphalt Tip	\$ 13,065	\$ 5,795	\$ 18,859
Misc. Comm Tip	\$ 5,068	\$ 6,321	\$ 11,389
Concrete Rev.	\$ 3,818	\$ 1,761	\$ 5,579
Metal Rev.	\$ 4,163	\$ 4,203	\$ 8,366
OCC Sales	\$ 3,945	\$ 4,883	\$ 8,829
Sales of Trash Bags	\$ 957	\$ 876	\$ 1,834
Bulk Collection	\$ 1,050	\$ 400	\$ 1,450
Misc. Rev.	\$ 3,911		\$ 3,911
<b>Total Revenue</b>	<b>\$ 138,647</b>	<b>\$ 103,746</b>	<b>\$ 242,393</b>

Interest income		Q1	Q2	FY19
		\$ 2,365	\$ 2,326	\$ 4,692

Total Revenue		\$ 889,680	\$ 847,585	\$ 1,737,266
Net Revenue		\$ 15,160	\$ 69,009	\$ 84,170

Increase/Decrease Over Previous Years Q2 Without Landfill					
Cost	FY16	FY17	FY18	FY19	%Change - Previous Year
Residential	\$ 504,272.00	\$ 537,325.22	\$ 556,853.13	\$409,570.92	-35.96%
Roll Off	\$ 41,357.00	\$ 49,977.15	\$ 49,115.68	\$44,569.50	-10.20%
Dumpsters	\$ 147,474.00	\$ 188,619.05	\$ 176,586.01	\$210,409.98	16.08%
Transfer Station	\$ 154,436.00	\$ 148,824.04	\$ 162,388.91	\$114,025.35	-42.41%
Total	\$ 847,539.00	\$ 924,745.46	\$ 944,943.73	\$778,575.75	-21.37%
Revenue	FY16	FY17	FY18	FY19	%Change - Previous Year
Residential	\$ 434,898.00	\$ 471,277.64	\$ 542,772.50	\$547,864.44	0.93%
Roll Off	\$ 21,187.00	\$ 31,134.92	\$ 28,645.29	\$19,120.60	-49.81%
Dumpsters	\$ 135,085.00	\$ 164,771.00	\$ 181,298.00	\$174,527.53	-3.88%
Transfer Station	\$ 120,554.81	\$ 151,509.97	\$ 143,463.51	\$103,746.25	-38.28%
Interest	\$ 2,865.26	\$ 1,874.96	\$ 1,669.19	\$2,326.32	28.25%
Total	\$ 714,590.07	\$ 831,847.16	\$ 897,848.49	\$847,585.15	-5.93%
Net Revenue	FY16	FY17	FY18	FY19	%Change - Previous Year
	\$ (132,948.93)	\$ (92,898.30)	\$ (47,095.24)	\$69,009.40	49%



# County of Los Alamos

## Staff Report

February 21, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

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**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Lisa Bakosi

**Legislative File:** 11720-19

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### **Title**

Discussion of Tiered Rates for Residential Trash Collection

### **Recommended Action Motion**

N/A

### **Body**

The ESB will discuss the possibility of offering tiered rates for residential trash collection.

### **Attachments**

D - Tiered Rates for Residential Trash Collection

## Tiered Rates for Residential Trash Collection



S. Barns presentation to ESB Feb. 21, 2019

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## 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 Convenience Center, etc.
- Desire to inspire residents to recycle more, reduce waste
  - recovers resources, reduces GHGs, saves LAC/residents \$\$\$
- Costs go up annually for pretty much everything
  - Recycle used to generate \$\$, now we have to pay to recycle
- How best to cover these costs?
  - **Flat fee** to all households, with periodic increases (current system)
  - Rate based on amount of services used (**Tiered rates**, "Save-As-You-Throw")

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## Current vs. Tiered Rate System

96 gal every week



Or

48 gal once per month



same cost: \$25



= \$\$\$\$



= \$

tiered rate based on use

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## Why Change?

- **Tiered rates are more equitable, charge based on use, like electricity, gas, 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.
- Also shown to reduce generation (trash + recycling) overall
  - reduce cost to LAC, reduce rate hikes, reduce waste
- **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

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## 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

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## How Effective is It?

**"most effective way to decrease trash and increase recycling"**

Nationally, communities see:

- Recycling participation significantly
- Tons recycled by 50% or more
- Tons disposed by 15 - 20% from residential sector

But many communities see a much more significant decrease in tons disposed

In addition...

- In 2/3 of communities, no budget increase
- 90% of residents prefer, once implemented

Source – Lisa Skumatz, Ph.D. Dana D'Souza, and Dawn BeMent, 2015

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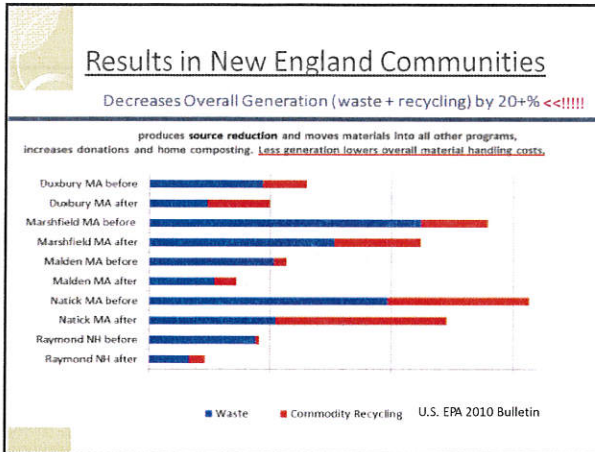
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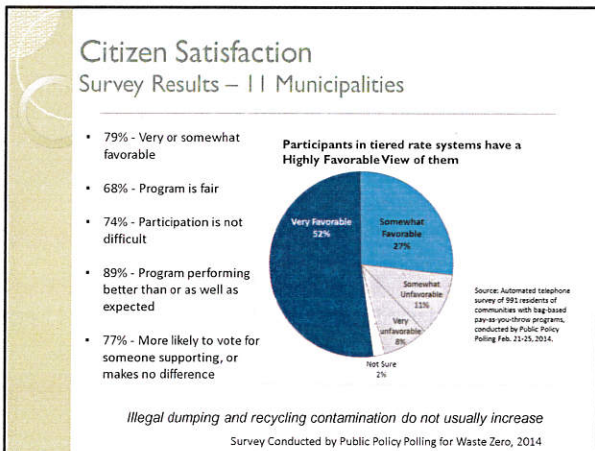
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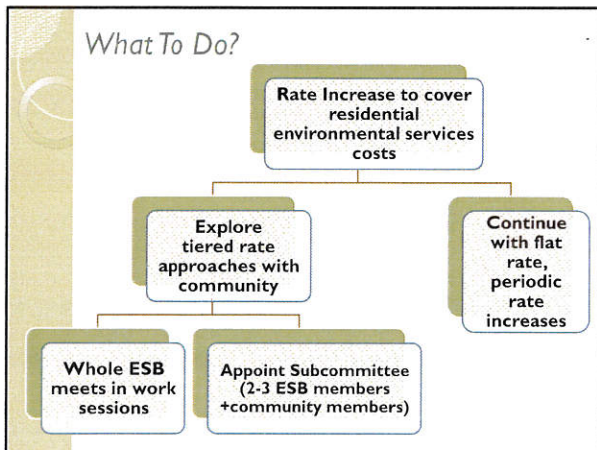
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### Tiered Rate Path Forward:

- Timeframe: March – Sept 2019 (have ordinance proposal for ESB discussion by Sept/Oct)
- If Subcommittee, ask for Council approval
- EDUCATE about issues and approaches (2-3 mo?)
  - anticipate concerns and address them early and often
- Public meetings/poll to discuss (*and educate*), pick implementation approach (2 mo?)
- Draft ordinance change, discuss, vote, CC vote, etc (1-2 mo?)
- Assist with implementation (*education, education, education*) (6 mo?)

*Many resources are available to guide this process!!!*

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# County of Los Alamos

## Staff Report

February 21, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

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**Agenda No.:**

**Index (Council Goals):**

**Presenters:**

**Legislative File:** 11721-19

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### **Title**

Review and Discuss 2018 NMED Annual Report

### **..Suggested Motion**

N/A

### **Body**

Review and discuss the 2018 New Mexico Environmental Department (NMED) Annual Report, which is due annually by February 14th. The report for the Eco Station was submitted to NMED in compliance with New Mexico Solid Waste Rules.

### **Attachments**

E - 2018 NMED Annual Report for Eco Station

F - NMED Annual Report Cumulative Data



## New Mexico Environment Department Solid Waste Bureau Facility Annual Report

### FACILITY

ID	Facility Name	Facility Type	County	Address	City	State	Zip	Contact	Phone	Ext.	Email	Phys. Location	Latitude	Longitude	Status
TSP-0590	Los Alamos County Transfer Station	Transfer Station - permitted	Los Alamos	P.O. Box 30, 3701 E. Jemez Road	Los Alamos	NM	87544	Joshua Levings	505-662-8163		joshua.levings@lacnm.us	3701 East Jemez Road			Open

### FACILITY OPERATOR

Name	Address	City	State	Zip
Los Alamos (County of)	901 Trinity Dr	Los Alamos	NM	87544

### FACILITY OWNER

Name	Address	City	State	Zip
Los Alamos (County of)	901 Trinity Drive PO Box 30	Los Alamos	NM	87544

### LAND OWNER

Name	Address	City	State	Zip
Department of Energy	528 35th Street	Los Alamos	NM	87544

### LANDFILL CAPACITY/MONITORING

Capacity Used (cu yd)	Capacity Remaining (cu yd)	Remaining Life (yrs)	Unpermitted acres available for future disposal	Chages in operation reducing life 25% or more	Total acres used for disposal	Intermediate cover acres	Area seeded acres	Total acres with final cover

[illegible]

## RECYCLABLE MATERIALS

[illegible]

## CERTIFIED OPERATORS

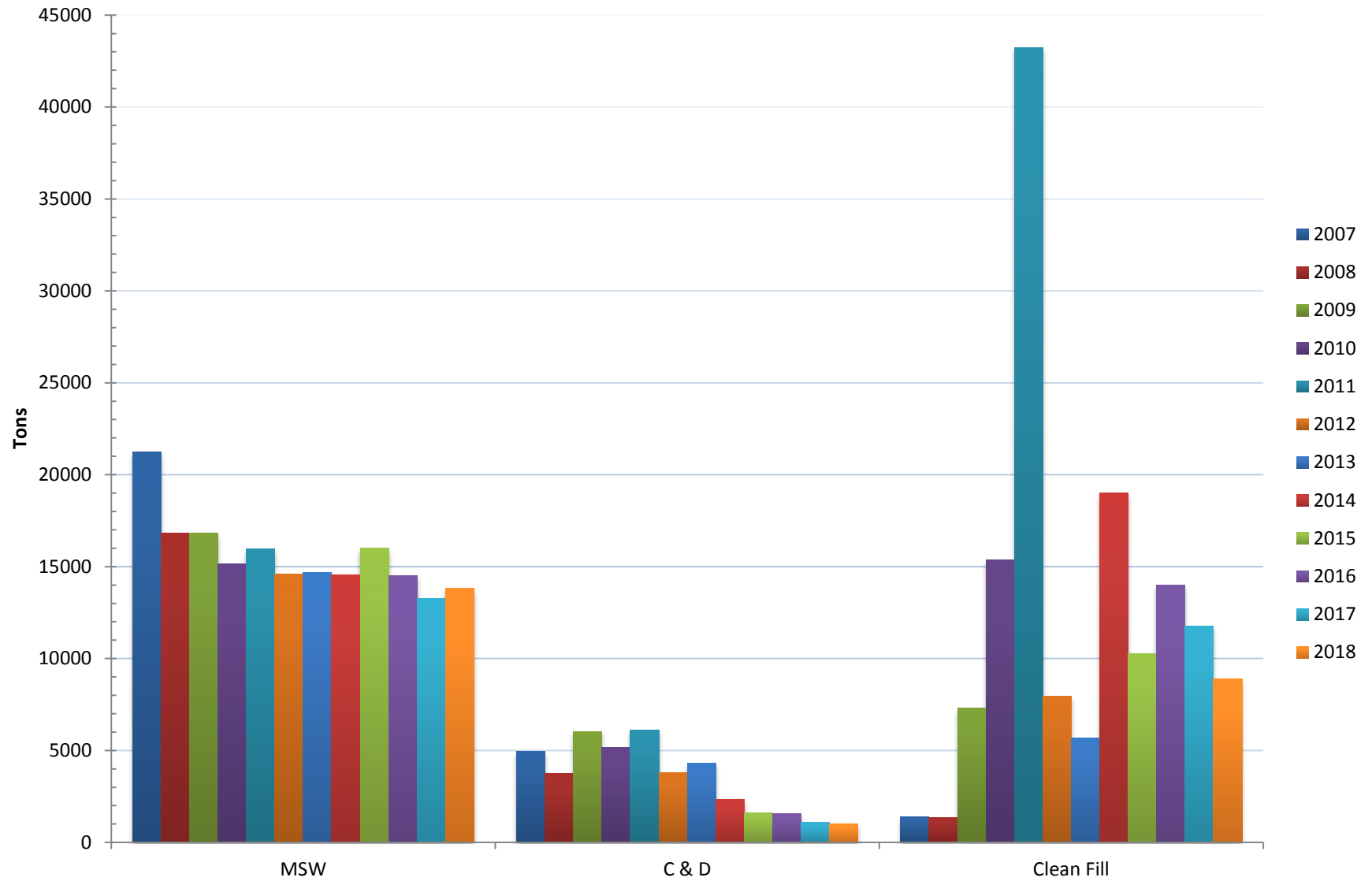
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Baca, Joseph S.
Baros, Donald C.
Broadus , Andy D.
Casias, Joe
Chevalier, Clint D
Fell, Denise M.
Gabaldon, Armando E
Gomez, Lucas C
Gray, Terrance C.
Griego, Brandon L.
Gurule, Angelica V.
Kane, Robert E.
Leal, Martha
Levings, Joshua J
Lopez, Eric N
Lopez, Gilbert
Lopez, Patricio J
Lopez, Robert
Martinez, Leonard
Mascarenas, John D
Nagawiecki, Tom
Ocana, Chris C.
Ortiz, Nataniel A.
Pacheco, Leroy L.

## DOCUMENTS

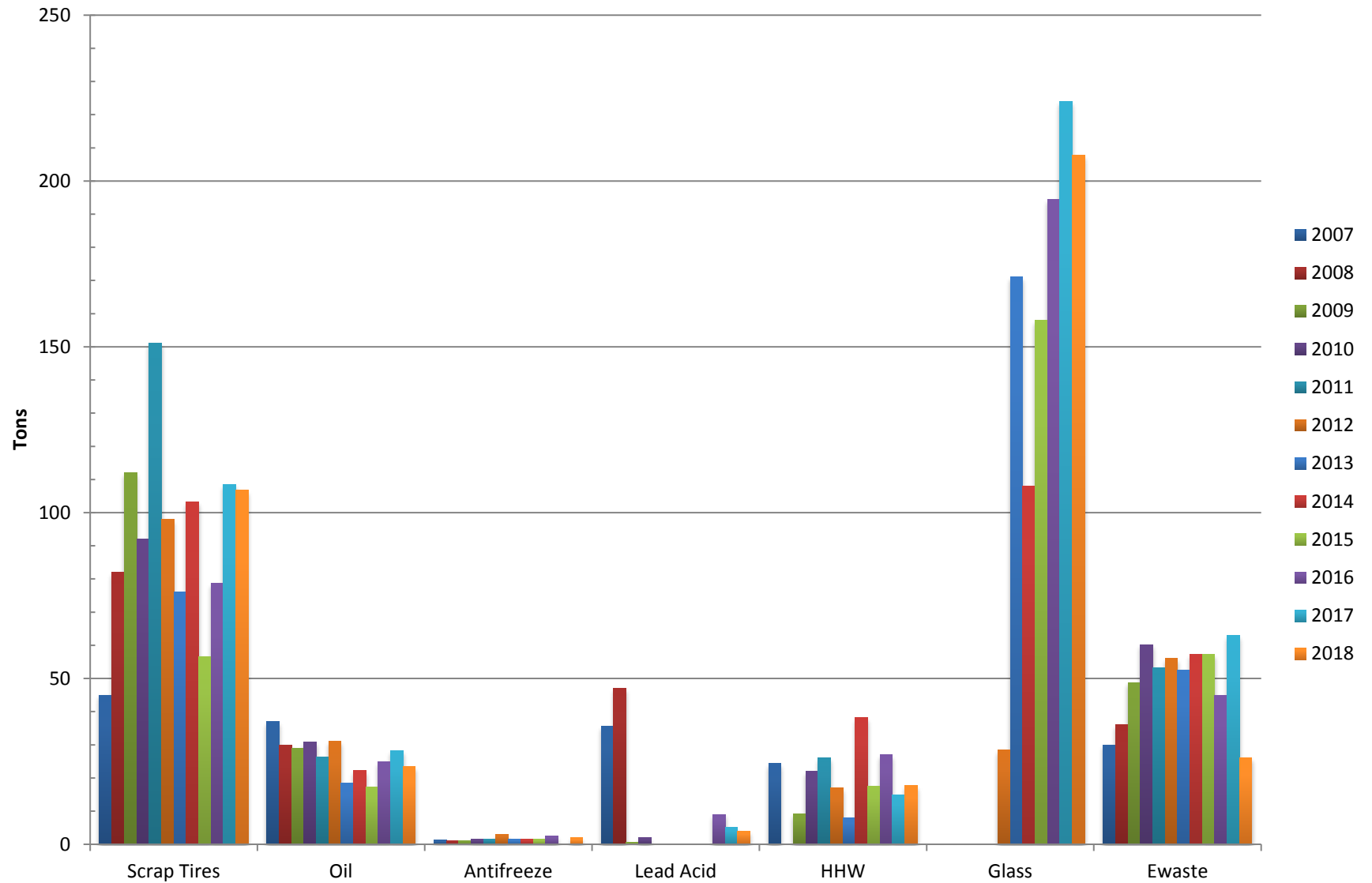
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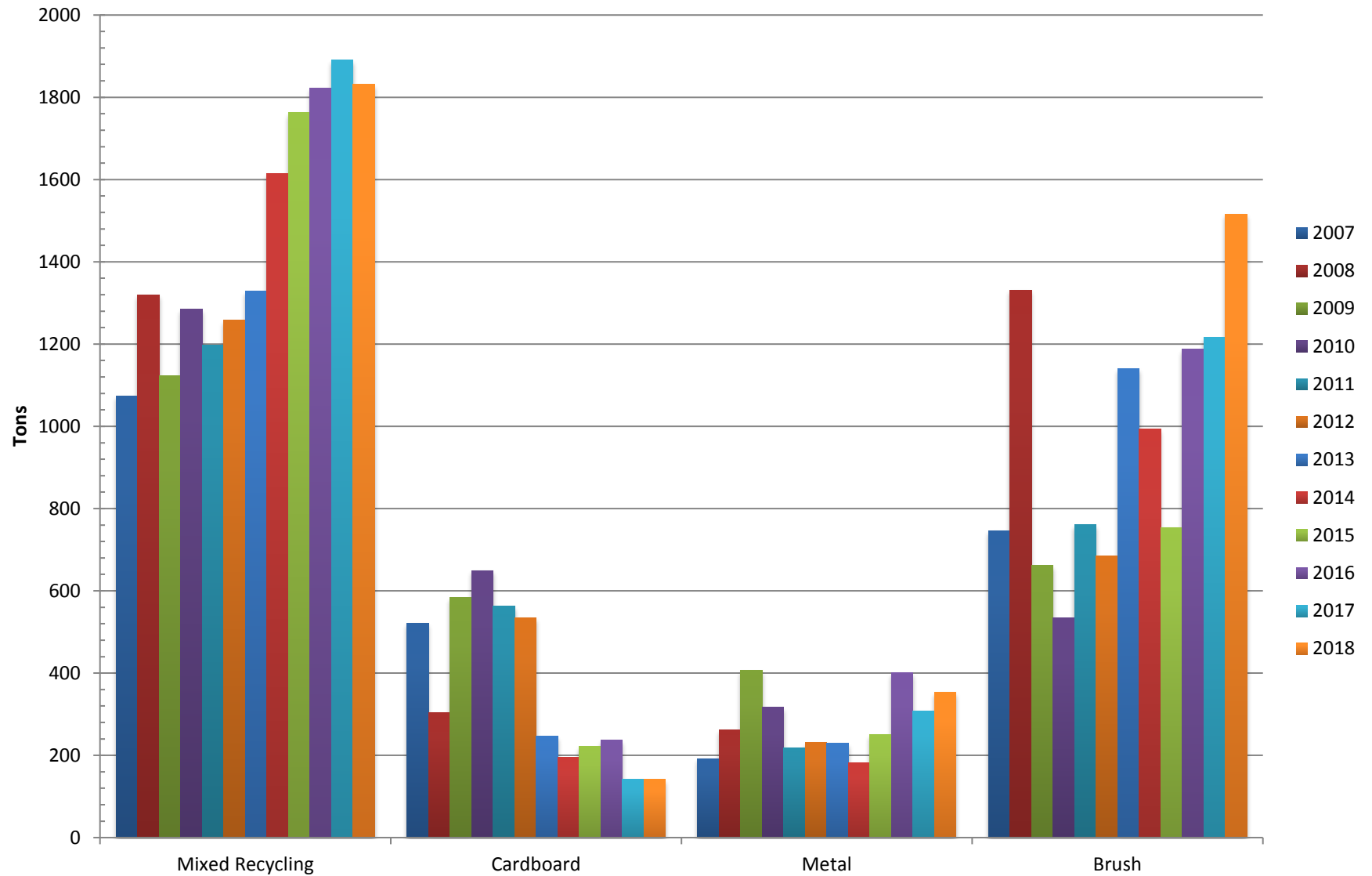
## Material for Disposal

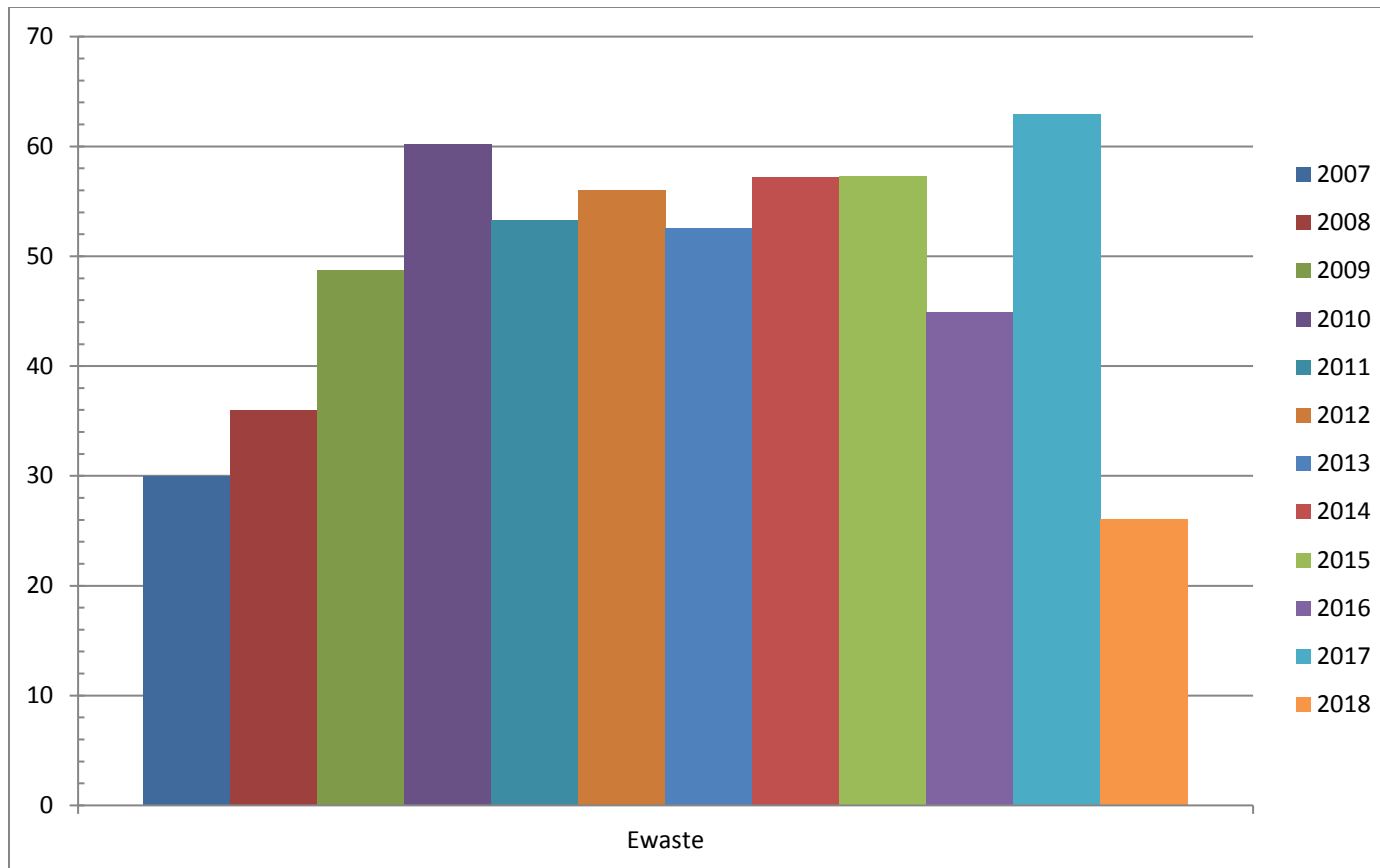


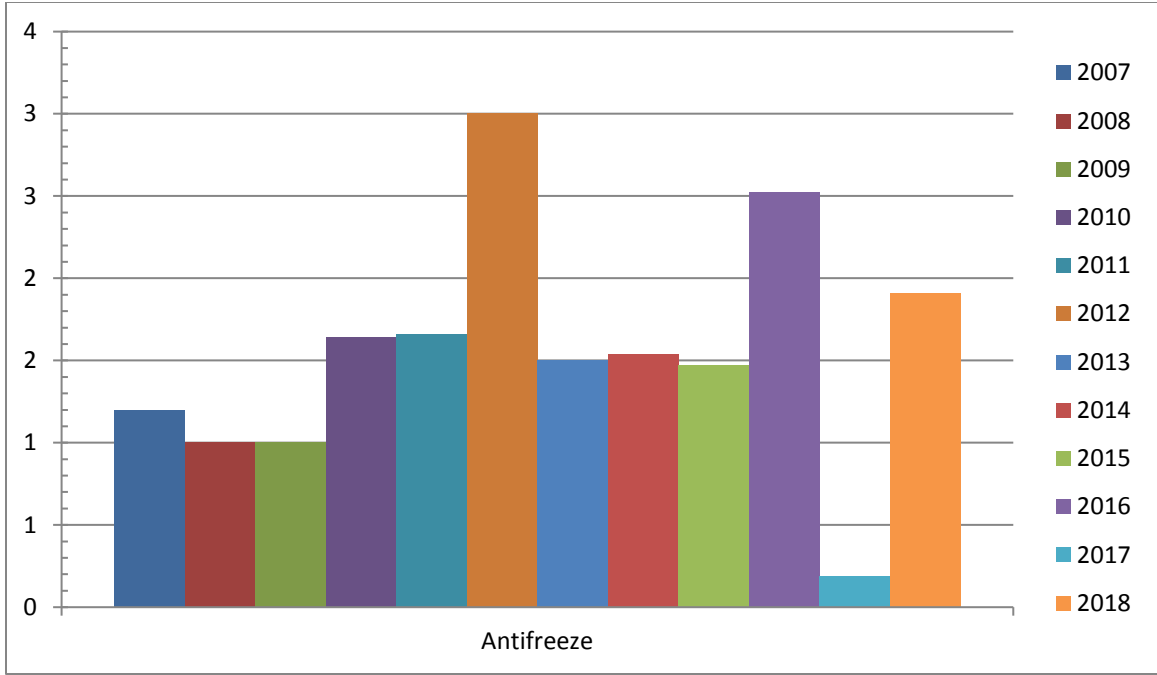
## Miscellaneous Recyclables

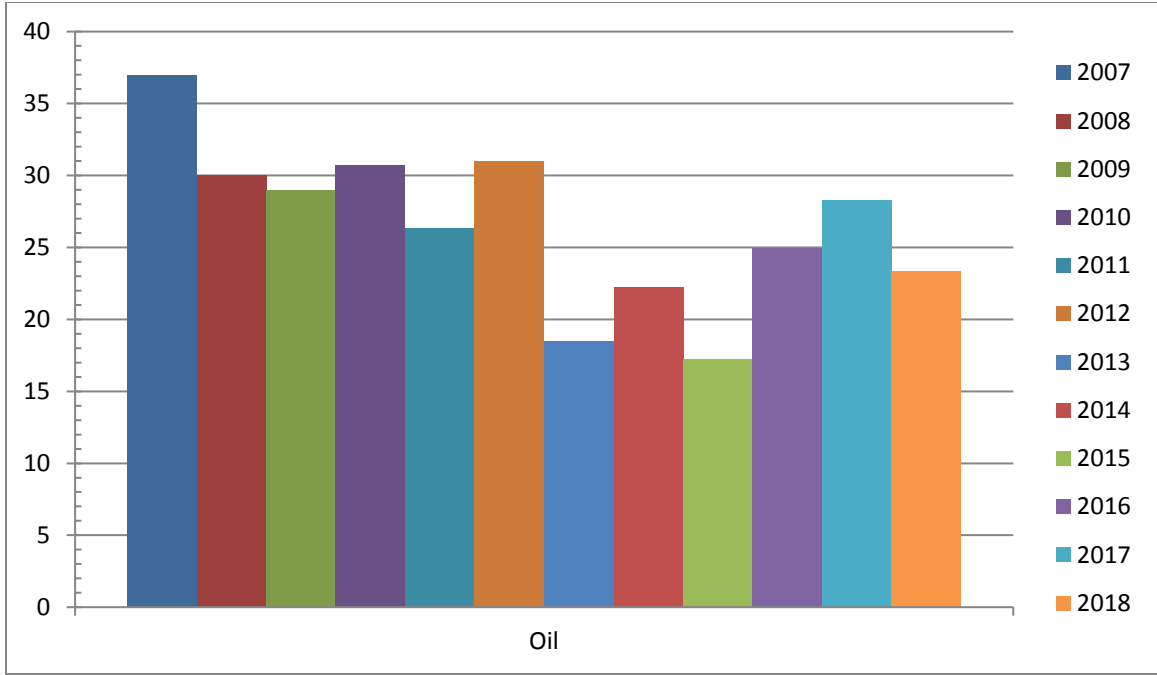


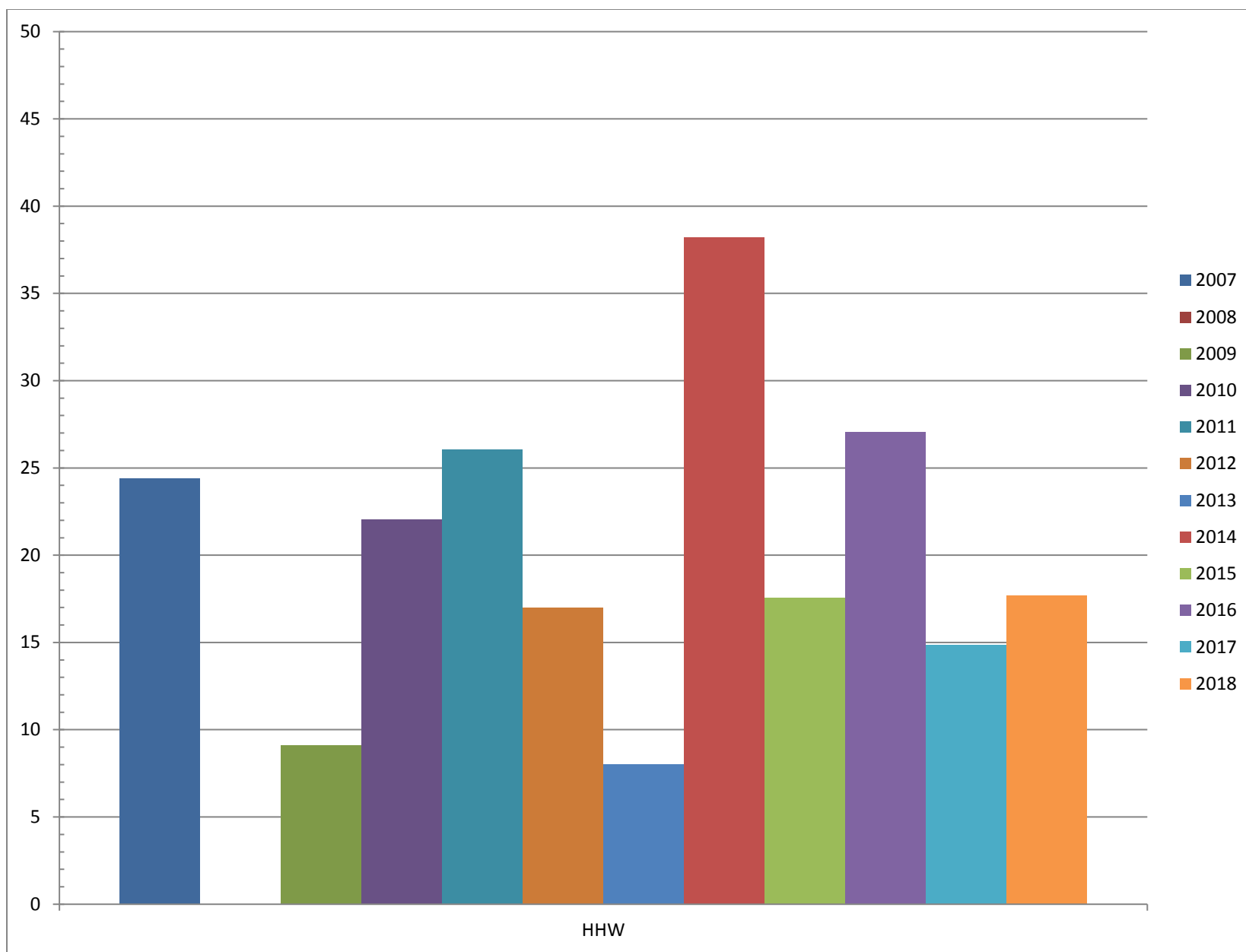
## Materials for Recycling



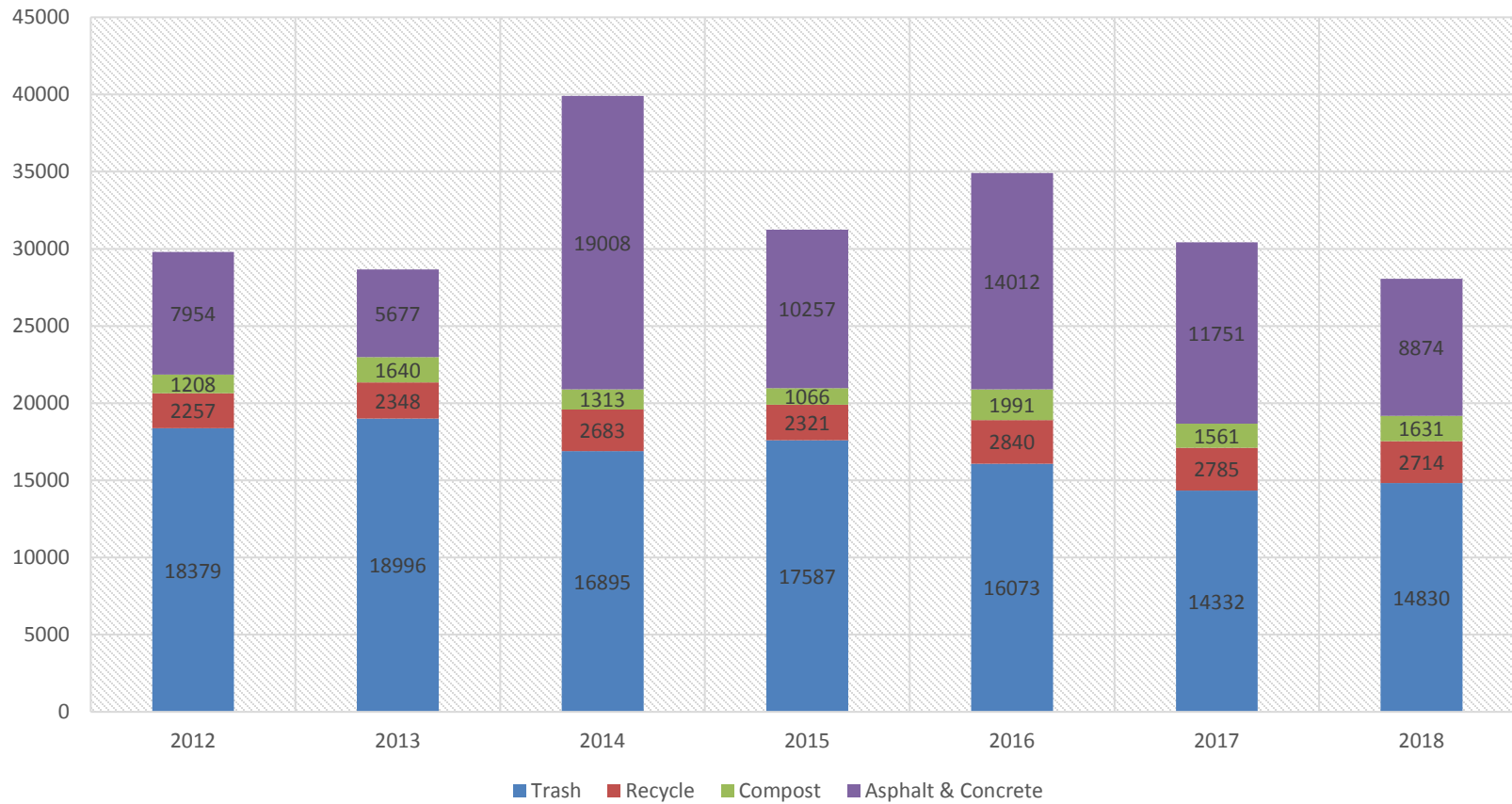








## Material Types by Tons Annually





# County of Los Alamos

## Staff Report

February 21, 2019

Los Alamos, NM 87544  
www.losalamosnm.us

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**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Angelica Gurule

**Legislative File:** 11722-19

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### **Title**

January 2019 Residential Sustainability Report

### **Recommended Action Motion**

N/A

### **Body**

The ESB will review and discuss the January 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.

Over 10,000 pounds of Christmas Trees were collected for mulch/compost in January.

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

### **Attachments**

G - Residential Sustainability Report - January 2019



# Residential Sustainability Report

Service Period: January 2019

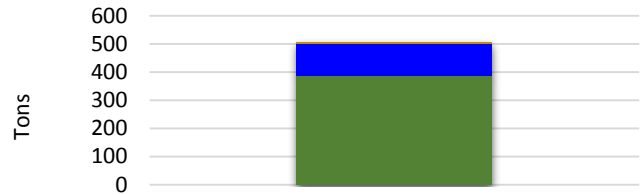
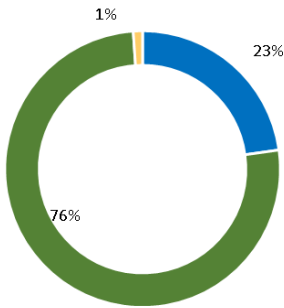


LOS ALAMOS

January Diversion Rate: **24%**

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

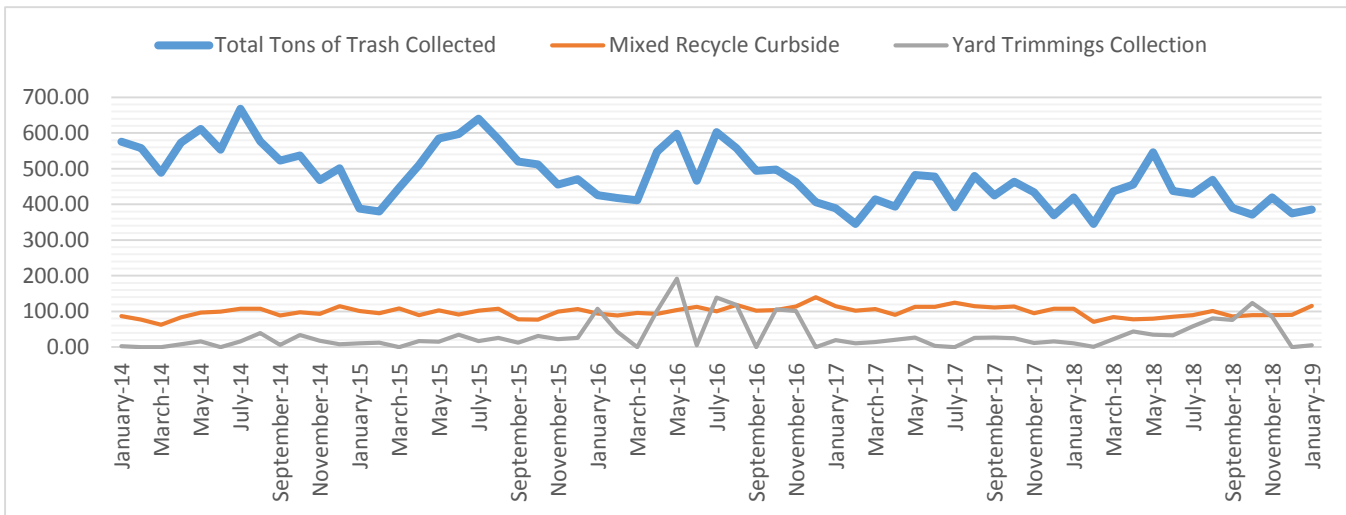
## Monthly Collection Report



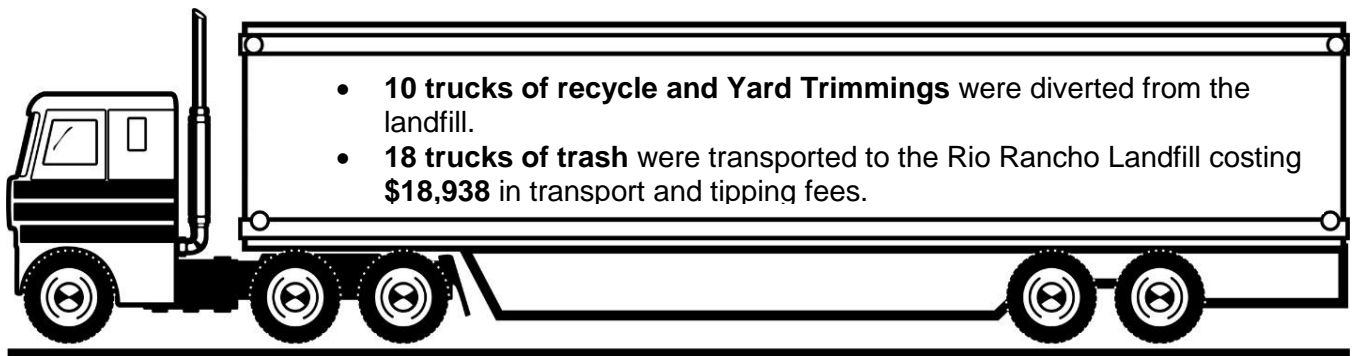
	Jan-19
Yard Trimming	5.48
Recycle	115.29
Trash	385.15

■ Mixed Recycle Curbside ■ Trash Residential Collection ■ Yard Trimmings Collected

In January by recycling and composting Los Alamos County reduced CO2 emissions by ~407.28 tons



In 2019 by recycling and composting Los Alamos County reduced CO2 emissions by ~407.28 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

February 21, 2019

Los Alamos, NM 87544  
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**Agenda No.:**

**Index (Council Goals):**

**Presenters:** Angelica Gurule

**Legislative File:** 11723-19

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### **Title**

Planning for Environmental Sustainability Board Upcoming Events

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

N/A

### **Body**

The ESB will discuss and plan for upcoming events.

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

May 11, 2019 - Clean Up Los Alamos Day

May 24, 2019 - First Zero Waste Summer Concert Series

June 8, 2019 - Chamber Fest

Announce Winner for Business & School Recycler of the Year

July 13, 2019 - Science Fest Discovery Day

### **Attachments**

N/A