County of Los Alamos

1000 Central Avenue
Los Alamos, NM 87544

Agenda - Final

Transportation Board

Brian O'Neil, Chair; Sriram Swaninarayan, Vice-Chair; Nancy Jo Barnes; Eileen Lime; Don Machen; and James L. Nesmith; David Schiferl, Members

Thursday, February 1, 2018 **5:30 PM** **1000 Central Avenue, Room 110**

1. CALL TO ORDER / ROLL CALL

2. APPROVAL OF AGENDA

3. PUBLIC COMMENT

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

Please Limit Public Comment to 3 Minutes.

4. LIAISONS' REPORTS

5. APPROVAL OF MINUTES

10381-18 Approval of the January 4, 2018 Transportation Board Minutes

Presenters: Brian O'Neil, Chair of the Transportation Board

Attachments: A - DRAFT January 4, 2018 Meeting Minutes

6. OLD BUSINESS -Possible Action

7. NEW BUSINESS - Possible Action

10395-18 On-Street Parking on Central Avenue

Presenters: Philo Shelton, Public Works Director

Attachments: A - Proposed Signage
B - Central On-Street Parking

10399-18 Joshua Levings, Senior Office Specialist with Environmental Services will present the Environmental Sustainability Plan.

Presenters: Philo Shelton, Public Works Director

Attachments: A - Environmental Sustainability Plan

10382-18 Election of Chair and Vice-chair

Presenters: Brian O'Neil, Chair of the Transportation Board

10384-18 Recognition of Outgoing Transportation Board Chair Brian O'Neil and Board Members Jim Nesmith and Eileen Lime.

Presenters: Philo Shelton, Public Works Director

8. PROJECT UPDATES

10385-18 Public Works Staff/Project Update - January 2018

Presenters: Philo Shelton, Public Works Director

Attachments: A - Public Works Update for January 2018

9. CHAIRPERSON'S REPORT

10. FUTURE AGENDA ITEMS

- *Bus Shelter Plans*
- *Golf Course Mid-Block Crossing*
- *LANL Trail Map*

11. 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 505-662-8040 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 Public Works Division at 505-662-8150 if a summary or other type of accessible format is needed.

County of Los Alamos

Staff Report

February 01, 2018

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters:

Legislative File: **10381-18**

…Title

Approval of the January 4, 2018 Transportation Board Minutes

…Recommended Action

I move that the Transportation Board approve the January 4, 2018 minutes as presented.

OR

I move that the Transportation Board approve the January 4, 2018 minutes as amended.

…Attachments

A - DRAFT January 4, 2018 Meeting Minutes

County of Los Alamos
Minutes
Transportation Board

1000 Central Avenue
Los Alamos, NM 87544

Brian O'Neil, Chair; Sriram Swaninarayan, Vice-Chair; Nancy Jo Barnes; Eileen Lime; Don Machen; and James L. Nesmith; David Schiferl, Members

Thursday, January 4, 2018 **5:30 PM** **1000 Central Avenue, Room 110**

1. CALL TO ORDER / ROLL CALL

The January 4, 2018 Transportation Board Meeting was called to order at 5:30 p.m.

Present: Brian O'Neil, Chair; Nancy Barnes, Member; Don Machen, Member; and David Schiferl, Member.

Absent: Sriram Swaminarayan, Vice Chair; Eileen Lime, Member; and James Nesmith, Member.

Staff in attendance: Philo Shelton, Public Works Director; Linda Matteson, Assistant to the County Manager; Dan Erickson, Traffic & Streets Manager; Cameron Humphres, Airport Manager; Annette Granillo, Transit Manager; and Louise Romero, Office Manager.

Councilors: Christine Chandler

Members of the public in attendance: Charlotte Glasco, 180 Maple Drive; Alexis David, 1051 11th Street; Tim Glasco, 180 Maple Drive; Patrick Fisher 2025 E Jemez Road # 263; and Heather Ward, 2380 Canyon Glen.

2. APPROVAL OF AGENDA

A motion was made by Member Schiferl, seconded by Member Machen, that the January 4, 2018 agenda be approved as presented; motion passed unanimously.

3. PUBLIC COMMENT

Charlotte Glasco spoke, regarding bus shelters; 180 Maple Drive.

4. LIAISONS' REPORTS

Member Machen did not attend the December ESB meeting.

5. APPROVAL OF MINUTES

10241-17 **Item 10242-17 - Approval of the Revised 2018 Transportation Board Meeting Schedule.**

A motion was made by Member Schiferl, seconded by Member Machen, that the Revised 2018 Transportation Board Meeting Schedule be approved as presented; motion passed unanimously.

6. OLD BUSINESS

10242-17 **Item 10243-17 - Approval of the FY19 Transportation Board Work Plan**

A motion was made by Member Schiferl, seconded by Member Barnes, that the FY19 Transportation Board Work Plan be approved as presented; motion passed unanimously.

7. NEW BUSINESS

10243-17 **Item 10243-17 - Approval of the FY19 Transportation Board Work Plan**

A motion was made by Member Schiferl, seconded by Member Barnes, that the FY19 Transportation Board Work Plan be approved as presented; motion passed unanimously.

10244-17 **Item 10244-17 - Los Alamos Tourism Strategic Plan and Wayfinding Analysis**

Linda Matteson, Assistant to the County Manager presented the Draft Tourism Strategic Plan and Wayfinding Analysis.

- The Los Alamos Tourism Strategic Plan has been developed as a practical roadmap detailing the strategies and actions needed to promote tourism as an economic driver for Los Alamos and White Rock. It builds on previous efforts and integrates the recent branding and wayfinding plans the County is currently implementing.
- As part of the process of managing and enhancing marketing efforts

for visitors, the County led branding and wayfinding processes in 2016, which are currently being implemented. These initiatives led to an integrate plan that will provide information to visitors to make it easier for them to find their way around town and learn about what Los Alamos has to offer. These efforts integrate perfectly with the Tourism Strategic Plan, as both are focused on strategic enhancements.

- Los Alamos is the gateway to three National Parks.
- The strategic direction for the future of tourism in Los Alamos should focus on four areas:
  - ✓ Create and Market an inviting community
  - ✓ Increase the capture of visitor dollars
  - ✓ Enrich our natural beauty, attractions and downtowns
  - ✓ Operate with intentional leadership, public and private investment and partnerships.

8. PROJECT UPDATES

10246-17 Philo Shelton, Public Works Director, updates were briefly discussed.

9. CHAIRPERSON'S REPORT

10245-17 Chair O'Neil mentioned his last Transportation Board Meeting will be February 1st. Elections will be held at the next meeting for Chair and Vice Chair.

Councilor Chris Chandler mentioned this would be her last Transportation Board Meeting.

10. FUTURE AGENDA ITEMS

- Bus Shelter Plans
- Golf Course Mid-Block Crossing
- LANL Trail Map
- Central Avenue - On Street Parking with Main Street Future Group

11. ADJOURNMENT

A motion was made by Member Machen, seconded by Member Schiferl that the January 4, 2018 meeting be adjourned. The meeting was adjourned at 6:31 pm.

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County of Los Alamos

Staff Report

February 01, 2018

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters:

Legislative File: **10395-18**

…Title

On-Street Parking on Central Avenue

…Body

Proposed on street parking on Central Avenue. The initial request came to T-Board from a citizen. The Postmaster and the Main Street Futures Group are in agreement. The Police Department agrees with the 15 minute time limit.

…Body

…Recommended Action

I move that the Transportation Board approve the timed on-street parking as presented.

OR

I move that the Transportation Board approve the timed on-street parking as amended.

…Attachments

A - Proposed Signage
B - Central On-Street Parking

Attachment A


15 MIN PARKING
8:30 AM TO 4:30 PM
Attachment B
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Los Alamos, NM 87544
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County of Los Alamos

Staff Report

February 01, 2018

Agenda No.:

Index (Council Goals):

Presenters:

Legislative File: **10399-18**

…Title

Joshua Levings, Senior Office Specialist with Environmental Services will present the Environmental Sustainability Plan.

…Body

Appreciation and respect for the natural environment of northern New Mexico has long been a cultural value shared by the residents of Los Alamos County. In 2005, the Los Alamos County Council recognized the public's desire to preserve this environmental amenity through the adoption of "maintain environmental quality" as one of its six core goals.

The County created the Environmental Sustainability Initiative (ESI) in March 2008. This initiative narrowed the County's focus from the broad concept of sustainability to eight focus areas:

1) Environmental sustainability policy
2) Waste and recycling
3) Hydrocarbon independence
4) Water
5) Land use
6) Economic development
7) Education and outreach
8) Measurement and reporting

…Attachments

A - Environmental Sustainability Plan

LOS ALAMOS

Los Alamos County Environmental Sustainability Plan

Approved December 2017

Attachment A

Introduction

Appreciation and respect for the natural environment of northern New Mexico has long been a cultural value shared by the residents of Los Alamos County. In 2005, the Los Alamos County Council recognized the public's desire to preserve this environmental amenity through the adoption of "maintain environmental quality" as one of its six core goals.

The County created the Environmental Sustainability Initiative (ESI) in March 2008. This initiative narrowed the County's focus from the broad concept of sustainability to eight focus areas:

1) Environmental sustainability policy
2) Waste and recycling
3) Hydrocarbon independence
4) Water
5) Land use
6) Economic development
7) Education and outreach
8) Measurement and reporting

Within these eight focus areas, short and long term programs and activities were proposed to enable Los Alamos County to become a more sustainable community. Since then, the County has made significant progress on a variety of short and long term activities identified in the ESI. Policies were passed to ensure sustainability is at the forefront of decisions made now and into the future, and significant infrastructure improvements have occurred, including the formation of the Environmental Sustainability Board. The County has taken actions to educate all of its employees on the importance of sustainability in internal operations with the formation of the County Green Team and County Fleet Team. These teams help ensure that the County government is leading the way in transitioning Los Alamos into a more sustainable community.

> *"Enhance environmental quality and sustainability, balancing costs and benefits including County services and utilities."*
>
> *2017 Los Alamos County Strategic Leadership Plan Goal*

In addition, the County Council reinforced the importance of the environment in the 2011 Los Alamos County Strategic Leadership Plan by updating one of the goals to read: "enhance environmental quality and sustainability." Later, at the County Council Workshop on November 16, 2013, County Council asked the Environmental Sustainability Board to consider the definition of environmental sustainability to include the "balance of costs and benefits" in response to the desire to include an evaluation component to the goal. The Environmental Sustainability Board accepted the recommendation. Currently, the 2017 Los Alamos County Strategic Leadership Plan defines the County Council's goal for environmental stewardship as "Enhance environmental quality and sustainability balancing costs and benefits including County services and utilities."

With environmental sustainability included in the County Council's Leadership Plan, what remains is the roadmap. In many ways, the County took progressive steps toward the goal, and a cohesive, expanded vision and strategy as laid out in this document, is proposed as the next step.

Definitions

Before laying a framework to work toward the County's environmental stewardship goals, key terms need to be defined as they pertain to the needs of the Los Alamos community. This Environmental Sustainability Plan proposes the following definitions:

Environmental Stewardship refers to management of the environment, with the intent to provide protection or care.

Environmental Sustainability is the ability to continue a defined behavior indefinitely. It is a broad concept that incorporates a variety of criteria including economics and the environment that will enable the community to thrive well into the future. Environmental sustainability is a state that allows for indefinite support of the community, its built and natural environment, its quality of life, and future ecosystem health. In order to achieve environmental sustainability, it requires a balance between the rates of resource depletion and generation, while minimizing the rate of pollution.

Environmental Quality refers to the current state of the natural environment.

Purpose

The Los Alamos County Environmental Sustainability Plan establishes a roadmap for accomplishing the Council's goal to "enhance environmental quality and sustainability, balancing costs and benefits including County services and utilities." This plan outlines a set of quantifiable goals, referred to as sustainability indicators, chosen after balancing the costs and benefits. In addition, the plan outlines a strategy for tracking progress for each of the sustainability indicators and thus measuring Los Alamos' progress toward reaching the Council's goal. The Environmental Sustainability Plan will be updated every two years in order to track progress, evaluate strategies, and when needed, modify or develop new strategies based on data and experience, which is important for attaining the sustainability goals outlined in this document.

Scope

All indicators and goals in this plan apply to the community of Los Alamos County; however, Los Alamos National Laboratory (LANL) energy and water usage is not included in the data reported. The decision to exclude LANL energy and water usage from this plan was based on several reasons:

1. Being a Department of Energy facility, LANL must follow federal mandates that would supersede any local goal developed in this plan.
2. LANL has their own environmental sustainability plan called "Long-Term Strategy for Environmental Stewardship and Sustainability."

On the other hand, LANL waste generation and diversion numbers are included, since LANL is a major commercial customer for Los Alamos County. Almost all waste generated at LANL, excluding radioactive and other special waste, is disposed at the Los Alamos County Eco Station. The County is also responsible for the collection of solid waste and recycling from a few LANL facilities located throughout the community. Given the amount of integration in terms of waste and recycling services, LANL is included in Los Alamos County commercial customer data.

Relation to Energy and Water Conservation Plan by Department of Public Utilities

The Los Alamos County Environmental Sustainability Plan is a separate plan from the Los Alamos County Department of Public Utilities Energy and Water Conservation Plan (DPU Plan). The information presented in the DPU Plan is specific to the utility systems operated by the Department of Public Utilities: water, natural gas and electricity. The DPU Plan is a requirement of operating the utility system and it identifies goals for water, natural gas and electricity usage. The goals and baselines used in the DPU Plan are also used in the County's Environmental Sustainability Plan to demonstrate how the County is reducing energy and water usage. The Environmental Sustainability Plan looks beyond the areas of energy and water usage by establishing goals in other areas crucial to creating a more environmentally sustainable community. For a visual representation of how these plans relate see Figure 1.

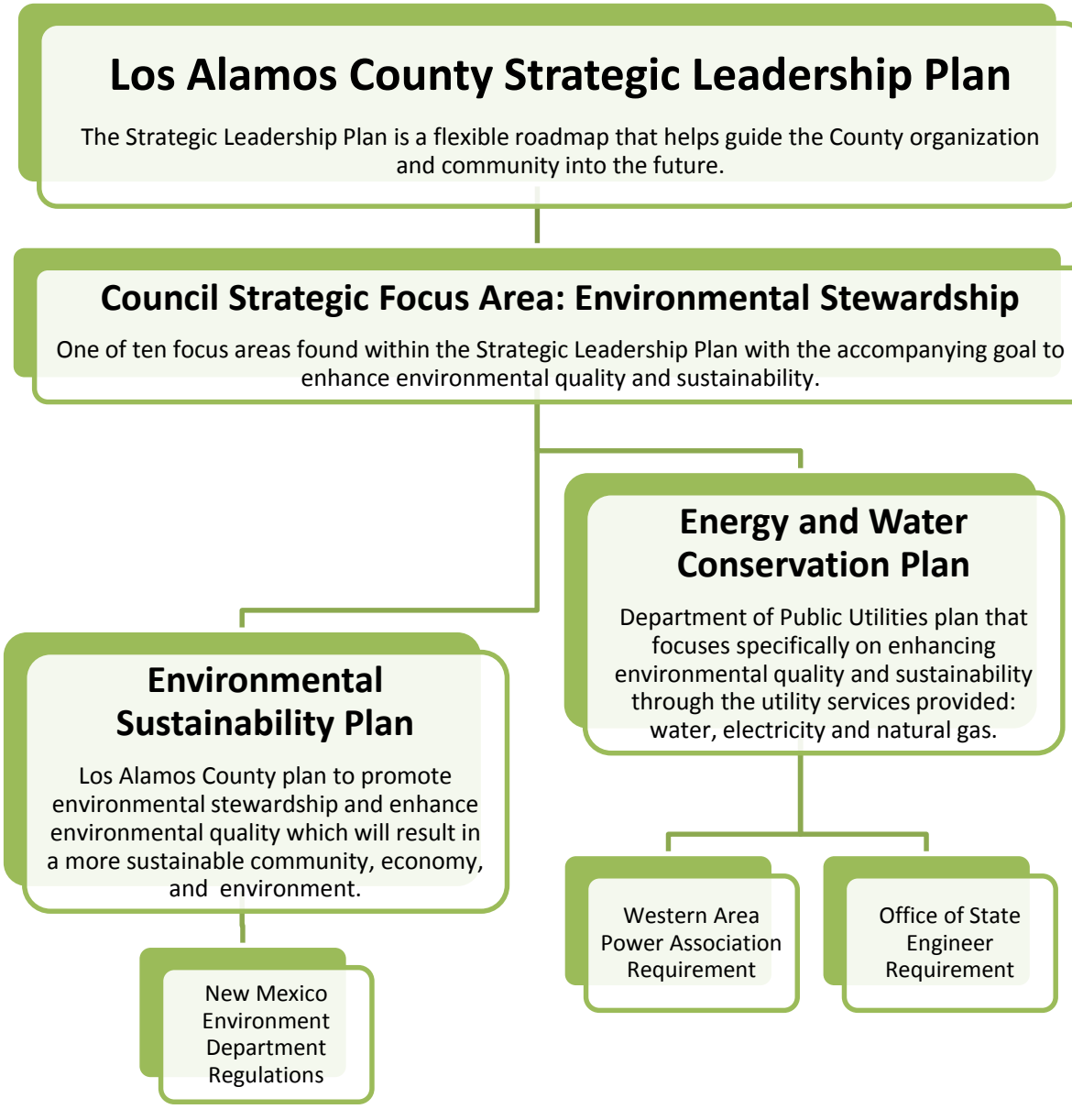


Figure 1: Flow chart showing the relationship of the Environmental Sustainability Plan to Council's Strategic Leadership Plan and the Energy and Water Conservation Plan.

Sustainability Indicators

The Los Alamos County Sustainability plan includes two distinct categories of sustainability indicators: Community Indicators and Local Government Indicators. These indicators will serve as the County's measuring stick, enabling the County to quantify progress in reaching its sustainability goals. The sustainability indicators incorporated into the Los Alamos County Environmental Sustainability plan are identified In **Table 1** below.

Sustainability Indicators
Community Indicators
1. Community Greenhouse Gas Emissions
2. Public Transit Ridership
3. Municipal Solid Waste (MSW) Recycling Rate
4. Construction & Demolition (C&D) Waste Diversion
5. Quality of Residential Recycling Services
Local Government Indicators
1. LEED Certified County Facilities
2. County Operations Greenhouse Gas Emissions
3. Energy Usage of County Facilities
4. Water Usage of County Facilities

Table 1: Sustainability indicators for Los Alamos County Community and Local Government.

Although the sustainability indicators do not cover all aspects of sustainability, they do represent the major focus areas adopted by Los Alamos County Council in the Environmental Sustainability Initiative. This plan represents these focus areas with the least number of indicators possible to enable easier and more effective understanding of County goals, and increase the ease of public education. The following is an analysis of each sustainability indicator via three sections:

(1) The **goal section** presents the goal that the County is striving to obtain. Goals were selected based upon research on actions being taken by federal, state, and local entities across the country, and input from knowledgeable individuals within the County.

(2) The **performance section** provides quantitative and qualitative information on how the community is performing in each indicator. Community wide indicators have a baseline year of 2006, based on data availability. The local government indicators have a baseline year of 2012. The local government indicators have a different baseline as a result of the major changes that have occurred since 2006 in the County.

(3) The **strategy section** provides a brief description of proposed actions that will enable the community to reach the established goal for each indicator.

Sustainability Indicator	Goal	Metric	Performance (2012)	Performance (2016)
Community Indicators				
1. Community greenhouse gas emissions	Decrease greenhouse gas emissions based on 2006 – 2012 average.	Metric tons of CO2e from energy and waste	159,431metric tons CO2e (baseline; average of 2006-2012 emissions)	125,807 metric tons of CO2e from energy and waste
2. Public transit ridership	Increase annual transit total passenger trips per vehicle per hour of transit operations to 25 by 2020.	Total passenger trips per vehicle per hour of transit operations	20.59 total passenger trips per vehicle per hour of transit operations	13.32 total passenger trips per vehicle per hour of transit operations
3. MSW recycling rate	Meet or surpass EPA MSW recycling rate of 40% by 2020.	% of total waste recycled	22% of waste recycled	24% of waste recycled
4. C&D waste diversion	Achieve 75% diversion of construction and demolition (C&D) materials and debris (waste) by 2020.	% of total C&D waste diverted	64% of C&D waste diverted	83% of C&D waste diverted
5. Quality of residential recycling services	Receive an excellent or good rating from at least 75% of respondents in 2020 survey.	% of residents rating program as good or excellent in Los Alamos County Customer Survey	73% of respondents ranked as excellent or good	89% of respondents ranked as excellent or good
Sustainability Indicator	**Goal**	**Metric**	**Performance (2012)**	**Performance (2016)**
Local Government Indicators				
1. LEED certified County facilities	100% of total County facilities over 5,000 sq. feet shall meet or exceed LEED Silver certification.	% of total County facilities over 5,000 sq. feet that are LEED Silver (or higher) certified	40% of total County facilities over 5,000 sq. feet meet at least LEED Silver certification	60% of total County facilities over 5,000 sq. feet meet at least LEED Silver certification
2. County operations greenhouse gas emissions	Reduce greenhouse gas emissions from County operations by 22% or by 2,771 metric tons below the 2012 levels by 2020.	Metric tons of CO2e from energy and vehicle fuel usage	12,597 metric tons of CO2	11,458 metric tons of CO2. This is a 9% reduction in greenhouse gas emissions
3. Energy usage of County facilities	Reduce the energy usage of County facilities by 15% per square foot or 19.61 BTU's/square foot below 2012 levels by 2020.	Million BTU's of energy, includes electricity and natural gas usage	72,907 million BTU's. 130.74 BTU's/square foot	66,670 million BTU's. 119.55 BTU's/square foot. This is a 8% reduction in energy usage by County facilities
4. Water usage of County facilities	Reduce potable water usage in Los Alamos County facilities by 20% or 18,252 thousands of gallons below 2012 levels by 2020.	Thousands of gallons of water used by County facilities	91,261 thousands of gallons of water	83,114 thousands of gallons of water. This is a 9% reduction in water usage by the County

Table 2: List of sustainability indicators with corresponding goals, metrics and performance

Community Indicators

Community Indicator 1: Community Greenhouse Gas Emissions

Goal: Decrease greenhouse gas (GHG) emissions based on 2006 – 2012 average.

Performance: This measure includes greenhouse gas emissions from electricity usage, natural gas usage and solid waste generation. **Figure 2** shows total energy usage, including electricity and natural gas, for Los Alamos County by customer class from 2007 to 2016. The emissions that resulted from energy usage for the same time period can be found in **Figure 3.** Greenhouse gas emissions from natural gas usage were determined by utilizing World Resource Institute (2008), GHG Protocol tool for stationary combustion, Version 4.0.

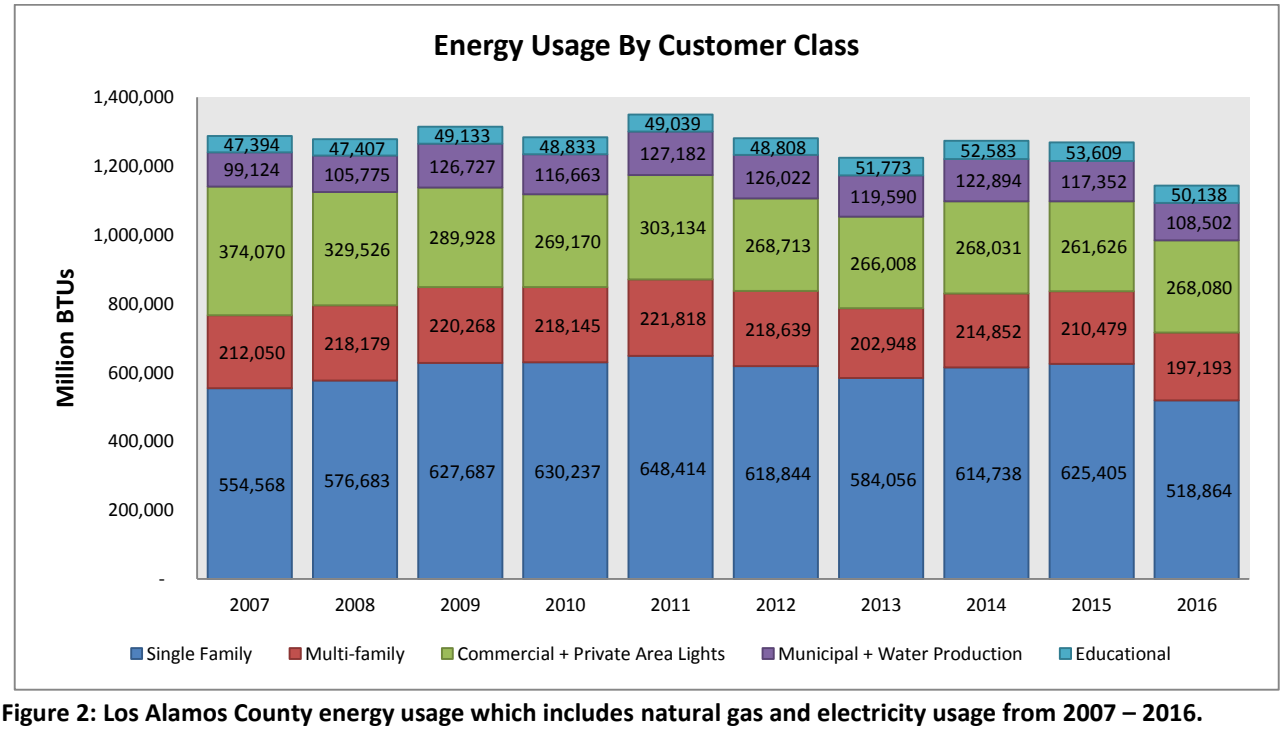


Figure 2: Los Alamos County energy usage which includes natural gas and electricity usage from 2007 – 2016.

Greenhouse gas emissions from solid waste include the emissions from the disposal of municipal solid waste generated by the community and LANL; this does not include the disposal of any non-routine waste from LANL. When waste is deposited in the landfill it breaks down over a 20-plus year timeframe and emits greenhouse gases, specifically methane.

When determining emissions generated from solid waste stored in landfills this plan utilizes the cumulative emissions estimation methodology. Emissions from solid waste were found using the methodology presented in Chapter SW.4 Community-Generated Waste Sent to Landfills of the ICLEI Community Protocol. The International Council for Local Environmental Initiatives (ICLEI) is a global network of local governments dedicated to sustainability, resilience, and climate action. Waste from Los Alamos County is currently shipped a distance of 89.4 miles to landfills in Rio Rancho, NM.

Figure 3 summarizes Los Alamos County greenhouse gas emissions from electricity usage, natural gas usage and the disposal of solid waste. The seven year average usage is 159,431 metric tons of carbon dioxide equivalents.
The County, in conjunction with LANL, has recently undertaken two major renewable energy projects that enable the County to receive electricity without creating harmful greenhouse gas emissions. The first project was the installation of a low-flow turbine at the Abiquiu hydroelectric facility. This turbine generates an additional 6,468 MWH of electricity from a renewable energy source on an annual basis. The other renewable energy project was the installation of a 1 MW solar array on the closed Los Alamos County landfill through a partnership with the Japanese agency NEDO.

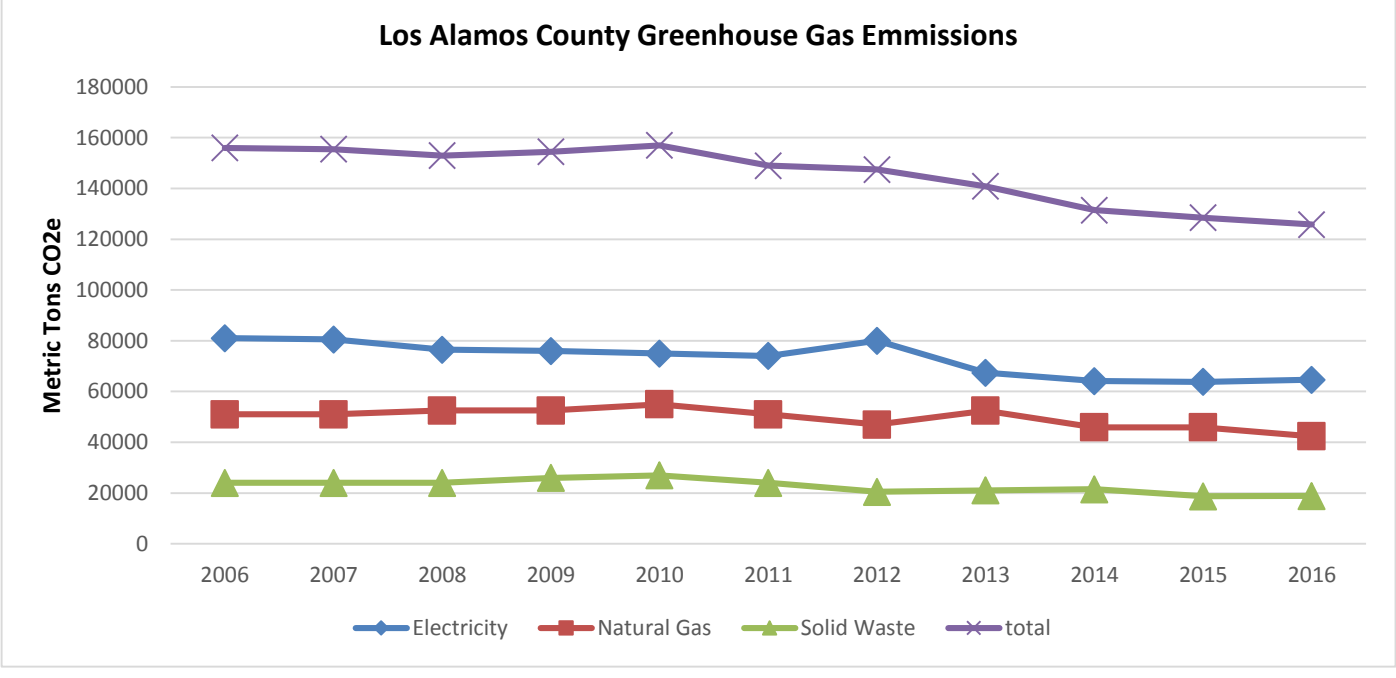


Figure 3: Los Alamos greenhouse gas emissions in metric tons of Carbon Dioxide equivalents for 2006 – 2016.

Strategy: The strategy for decreasing greenhouse gas (GHG) emissions is inherently tied to reducing solid waste along with reducing electricity and natural gas usage. The County should continue to shift the power supply from hydrocarbon electricity sources toward renewable energy sources (see Department of Public Utilities Energy and Water Conservation Plan).

Community Indicator 2: Public Transit Ridership

Goal: Increase annual transit total unlinked trips per revenue hour 25 by 2020.

Performance: Total passenger trips per vehicle per hour of transit operations is an industry standard used to measure the efficiency and impact of public transit systems. It is determined by dividing the annual ridership by the hours the buses are on route. Atomic City Transit began service in October 2007 and had steady ridership through 2013. Ridership increased 120% from approximately 255,000 riders in 2007-2008 (the first full year of operation) to over 562,000 in 2011-2012. Services have also expanded with the addition of AM/PM peak service in 2008, the addition of routes that serve the Eastern Area neighborhoods and Pajarito Cliffs Site in 2010, and seasonal shuttle service to Bandelier National Monument. From the first full year of operation through 2013, the number of passenger trips per vehicle per hour of transit operations has been approximately 20. For 2014 and subsequent years the ridership

numbers have decreased, but are still above the national average as depicted in **Figure 4**. The performance indicator from July 1, 2015, through June 30, 2016, is 13.32 passenger trips per vehicle per hour of transit operations. Although the trend is a decrease in trips per hour since 2013, reaching double-digits in unlinked passenger trips per revenue hour is considered to be a successful ridership program in the transit industry. The other important factors that can be correlated to this decrease in ridership are lower fuel prices as well as an extensive service plan implementation changing almost every route. A drop in ridership is typical when making such changes until the ridership understands how to use the new timetables and services.

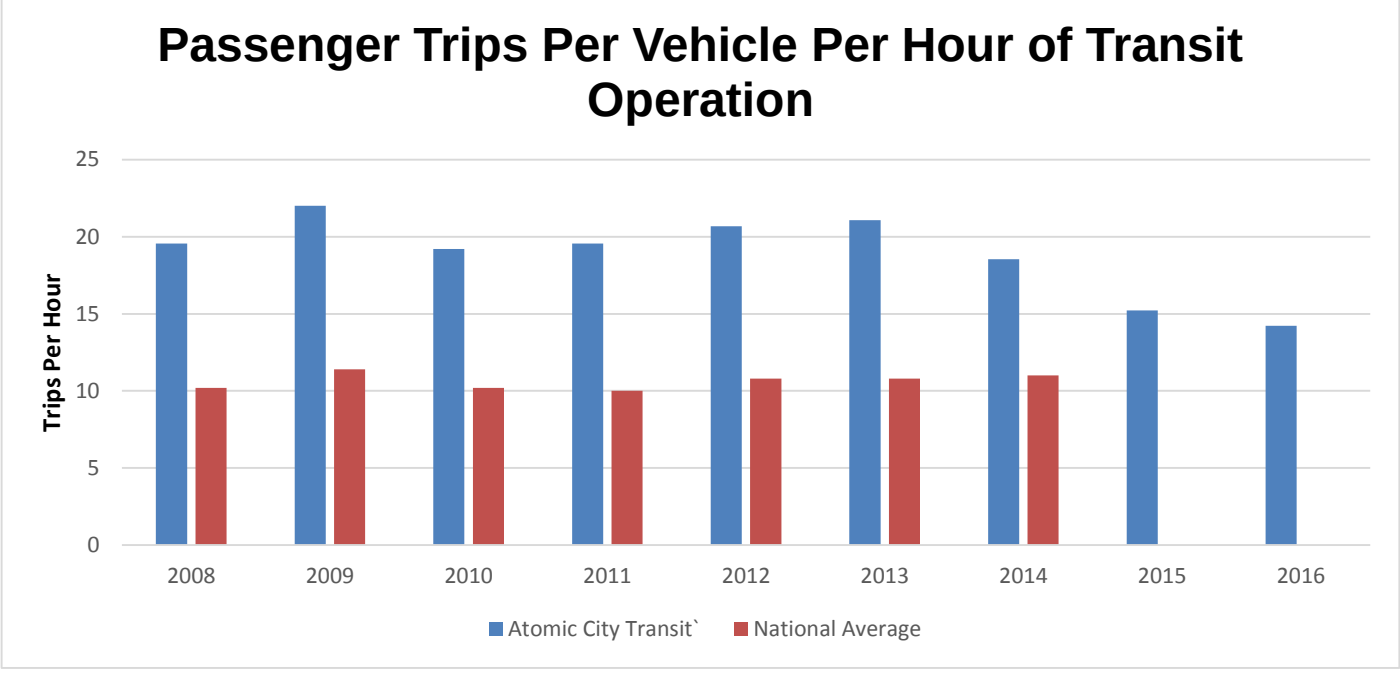


Figure 4: Atomic City Transit passenger trips per vehicle per hour of transit operations compared to the national average. Atomic City Transit ridership includes fixed-route and dial-a-ride services. National average comes from the 2016 Transit Fact Book, Small Urban & Rural Transit Center, 2015 and 2016 data not yet available.

Strategy: In 2014 the County added services that have reduced the amount of personal vehicle miles travelled. The County also partnered with the National Park Service to provide ongoing shuttle service to Bandelier National Monument, which is provided annually from Memorial Day weekend through the end of October. The County is also focused on increasing rider amenities. New bus shelters have been installed throughout the community, with more planned in the future. Automated vehicle location and analytic software was implemented beginning in 2014 to assist transit users in connecting with transit services, as well as transit management in measuring performance and making adjustments to the service where needed – all of which is designed to increase passenger trips per vehicle per hour of transit operations sustainability indicator. Technology advancements that had been implemented in late 2015 include ACTracker on the Atomic City Transit website, which provides real time transit data, including the locations of buses on their routes and a Trip Planner that enables individuals to plan their own trips using a variety of modes; digital message displays at major transit stops; MyStop mobile app on both Apple and Android devices; QR Code on bus stop signs, which leads users to the website; and, for those who do not have a smart phone, SMS texting capability at bus stop signs to obtain next-bus information at individual stops. A comprehensive transit study and five-year plan was completed by an outside contractor and approved by the County Council early in 2015. The plan made recommendations for route and schedule adjustments, as well as vehicle requirements for the service, and was

implemented in early 2016.

Community Indicator 3: MSW Recycling Rate

Goal: Meet or surpass EPA MSW Recycling Rate of 40% by 2020.

Performance: Environmental Services handles all waste and recycling functions for the community of Los Alamos and processes the majority of routine municipal solid waste (MSW) and recycling from Los Alamos National Laboratory. In 2012, Los Alamos County recycled 17% of all municipal solid waste received. Since 2012, the County has taken action to increase recycling and waste diversion. In 2014, the County expanded the mixed recycle program to include plastics #1 through #7, instead of only plastics #1 and #2. In 2014, the recycle rate was reported to NMED as 19.1%, and increased to 24.4% in 2016. The expansion of the mixed recycle program is expected to have a significant impact as now there are more opportunities to recycle plastic products. The County's recycle rate is still below the national average recycle rate of 34.6%.

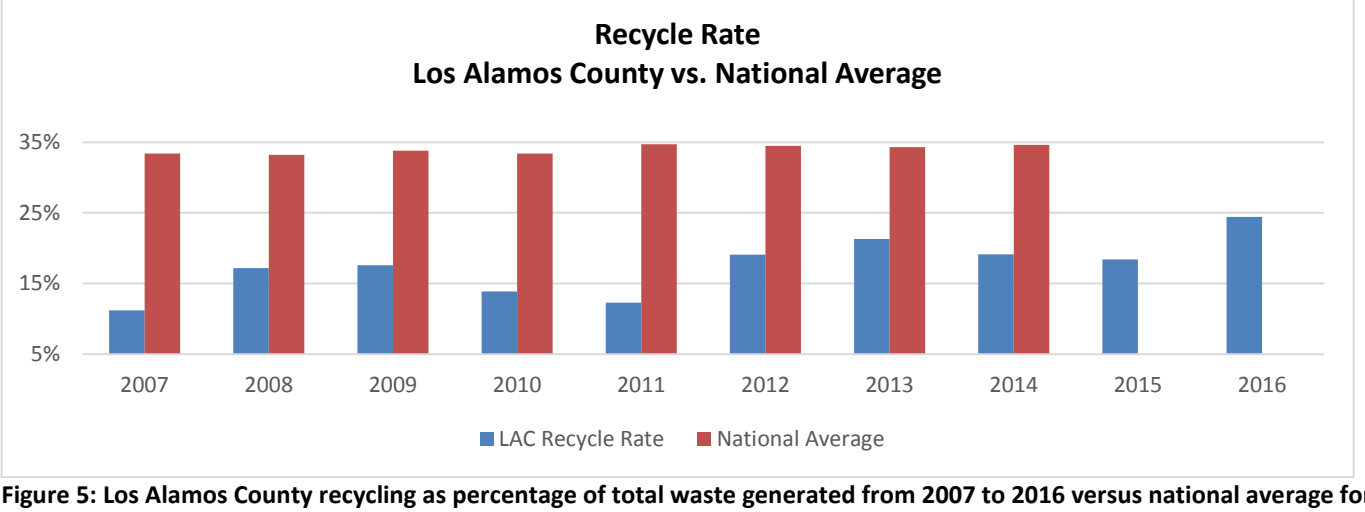


Figure 5: Los Alamos County recycling as percentage of total waste generated from 2007 to 2016 versus national average for same time period, 2015 and 2016 data not yet available. This measurement does not include Waste Water Treatment Plant (WWTP) sludge, asphalt, concrete, clean dirt, or construction and demolition debris.

To determine the recycle rate, the following categories of recycle material are included: residential curbside recycling, commercial recycling, Los Alamos National Laboratory recycling, recycling at the Sullivan Field and Overlook Park convenience centers and recycle received at the Eco Station. The scope of materials included in the standard Municipal Solid Waste (MSW) recycle rate include: routine solid waste, food scraps, glass containers, lead-acid batteries, aluminum/tin/steel cans, other ferrous metals, consumer electronics, household hazardous waste, light bulbs, brush and wood pallets, tires, paper product, plastics #1 through #7, and oil. This measurement does not include Waste Water Treatment Plant (WWTP) sludge, asphalt, concrete, clean dirt, or construction and demolition debris.

Strategy: In order to effectively increase the recycling rate in Los Alamos County it is important to have an understanding of the waste stream. Two waste audits were performed in March 2016 and September 2016 to better understand the composition of the waste stream and to identify the materials that make up a large percentage of the waste stream in order to direct effective diversion strategies. **Table 3** shows the results of the audits performed in 2016. It is also important to note that in September 2017 a survey of approximately 500 homes was conducted to better understand the participation rate of recycling. The survey found that 65% of residents set out there recycle bins

on a weekly basis. Los Alamos County's recycling program is voluntary so more outreach on the importance of recycling may help increase the recycling rate in Los Alamos County.

SORTED MATERIALS	March 25, 2016 Weight in (lbs.)	September 29, 2016 Weight in (lbs.)	Total Weight (lbs.)	Percentage of Material Total
Total Sorted Waste	6,280	8,170	14,450	100%
Food	880	1,580	2,460	17%
Yard Trimmings	720	1,340	2,060	14%
Mixed Recycling	400	600	1,000	7%
Glass	400	475	875	6%
Cardboard	180	20	200	1.4%
Trash	3,700	4,025	7,725	53%

Table 3: Results of waste audits performed on residential municipal solid waste.

Figure 6 is a breakdown of the U.S. waste stream for 2010. More than half of the waste typically generated falls into the categories of paper, food scraps, and yard trimmings, making these materials important areas to focus recycling efforts. Other opportunities to explore are incentive based programs such as RecycleBank as well as to continue to educate the public regarding reduce, reuse and recycle.

10.
udy.

The reestablishment of a composting program in Los Alamos County has recently enabled the County to better capture organic yard trimmings. In 2013, the County implemented a fully functioning windrow composting facility in Bayo Canyon at the site of the old wastewater treatment plant.

The windrow composting facility has the potential to provide opportunities to expand beyond organic yard trimmings and accept food scraps which will keep more materials out of the landfill and further decrease greenhouse gas emissions. The County will continue to investigate the addition of food scraps to the composting stream to ensure it will not negatively affect the quality of the finished compost product and/or cause operational problems. A food scrap composting program could also accept soiled paper, which is not currently being recycled.

The County also worked to increase local business participation in the recycling program. An analysis was performed, identifying a handful of businesses that were estimated to generate a decent amount of recyclables who were not recycling due to cost. In response, the County decreased the commercial recycling rates to incentivize more commercial recycling. Outreach and education to businesses informing them about these adjusted rates and the benefits of recycling will continue.

The County glass drop-off recycle program started in late September 2012, and has certainly helped increase the

recycle rate. Initially, the glass recycle program was estimated to divert 100 tons of glass from the waste stream on an annual basis. In 2012, the County recycled 54.81 tons of glass, by 2016, glass recycling increased to 194.38 tons. The glass is crushed and then given away for free for use in landscaping and other projects. The County also uses the crushed glass in a variety of different projects including fill material for roads for street projects.

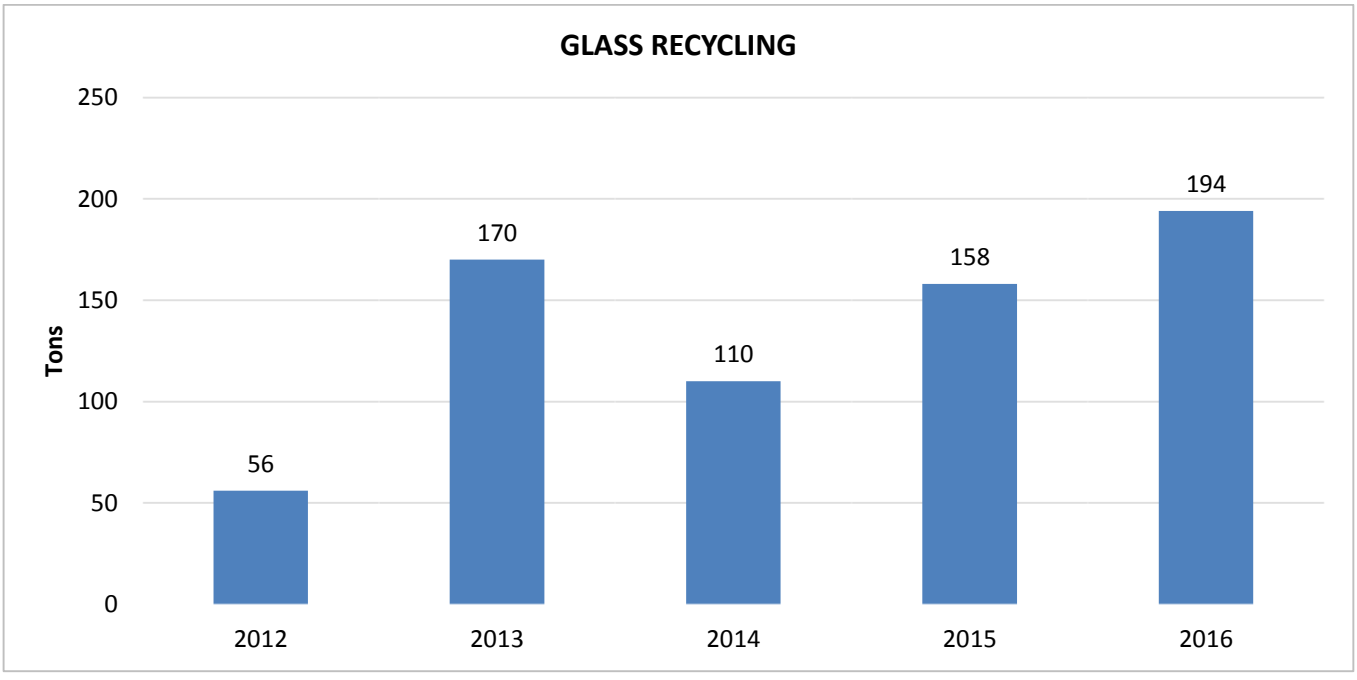


Figure 7: Total amount of glass recycled in tons from 2012 – 2016. Glass is sent to Santa Fe and crushed into cullet for landscaping and used as fill for other projects.

The public was asked to prioritize other possible strategies to reach the goal of a 40% recycling rate by 2020. Input was collected during two public meetings and through an online survey, **Table** shows the results.

Rating	Recommended Strategy	Total Score
1	Increase materials accepted in curbside mixed recycling	100
2	County reuse center	96
3	Save-As-You-Throw (SAYT)	72
4	Curbside collection of organic yard trimmings	71
5	Mandatory commercial recycling	70
6	Commercial glass recycling pickup	64
7	Landfill ban	19

Table 4: Results of prioritization exercise in which public was asked to rank their three favorite strategies to reach recycling goal.

The County recently pursued the recommended strategies rated #1 and #2 in Table 4. A new Material Recycling Facility was constructed in Albuquerque that accepts commingled materials including plastics #3 through #7, paperboard, aluminum and tin cans and mixed paper products. In 2014, Los Alamos County expanded the list of materials accepted in curbside mixed recycling including plastics #1-#7, aluminum and tin cans, and mixed paper products. The County also opened a reuse center located at the Eco Station. The reuse center accepts all gently used items and is another opportunity to divert waste from the landfill. Residents can place items for reuse such as tires, old sewing fabric, dishes and furniture. Other residents can collect items from the reuse area free of charge.

Recommended strategy #3, Save-As-You-Throw (SAYT), has been reviewed briefly by the Environmental Sustainability Board (ESB) and requires more research and analysis as well as public comment. A SAYT program charges variable rates dependent upon the amount of waste generated by each customer, thereby financially incentivizing waste reduction. SAYT programs have been successfully adopted in cities across the country and around the world and are found to be a very effective means of increasing waste diversion. The cities who have adopted the SAYT strategy have realized a 50% waste reduction. The County and ESB are currently analyzing the option of switching to a SAYT system. The County and ESB will utilize the results of the prioritization exercise in future program planning and development.

Recommended strategy #4, curbside collection of organic yard trimmings, was approved by County Council in February 2017 and the program is expected to roll out at the beginning of FY19. This program will eliminate the quarterly brush and bulk item collection program and is expected to significantly reduce the amount of organic yard trimmings entering the waste stream which is currently 14% (1,017 tons/yr) of total material sent to landfills.

Community Indicator 4: Construction & Demolition Waste Diversion

Goal: Achieve 75% diversion of construction and demolition (C&D) materials and debris by 2020.

Performance: The Eco Station receives the majority of the construction and demolition materials generated throughout the County and within the LANL complex. In 2012, approximately 64% of construction and demolition materials was diverted from the landfill. By 2016, approximately 83% of construction and demolition waste was diverted from the landfill. The concrete and asphalt were crushed and reused in a variety of construction projects including roads and streets projects. To calculate the C&D diversion rate the following materials are included: C&D debris, asphalt, concrete, shingles, gypsum (drywall), and carpet.

Strategy: Environmental Services will evaluate the current marketing approach to target construction contractors to expand the customer base and increase all opportunities to capture C&D materials at the Eco Station. The County offers a discounted tipping fee of $5.00 per ton for clean asphalt and concrete. As a result of marketing and financial incentives, the C&D diversion rate reached 83% in 2016 surpassing the goal of 75%. The Environmental Sustainability Board will continue investigating other opportunities to divert C&D waste such as roof shingles and lumber.

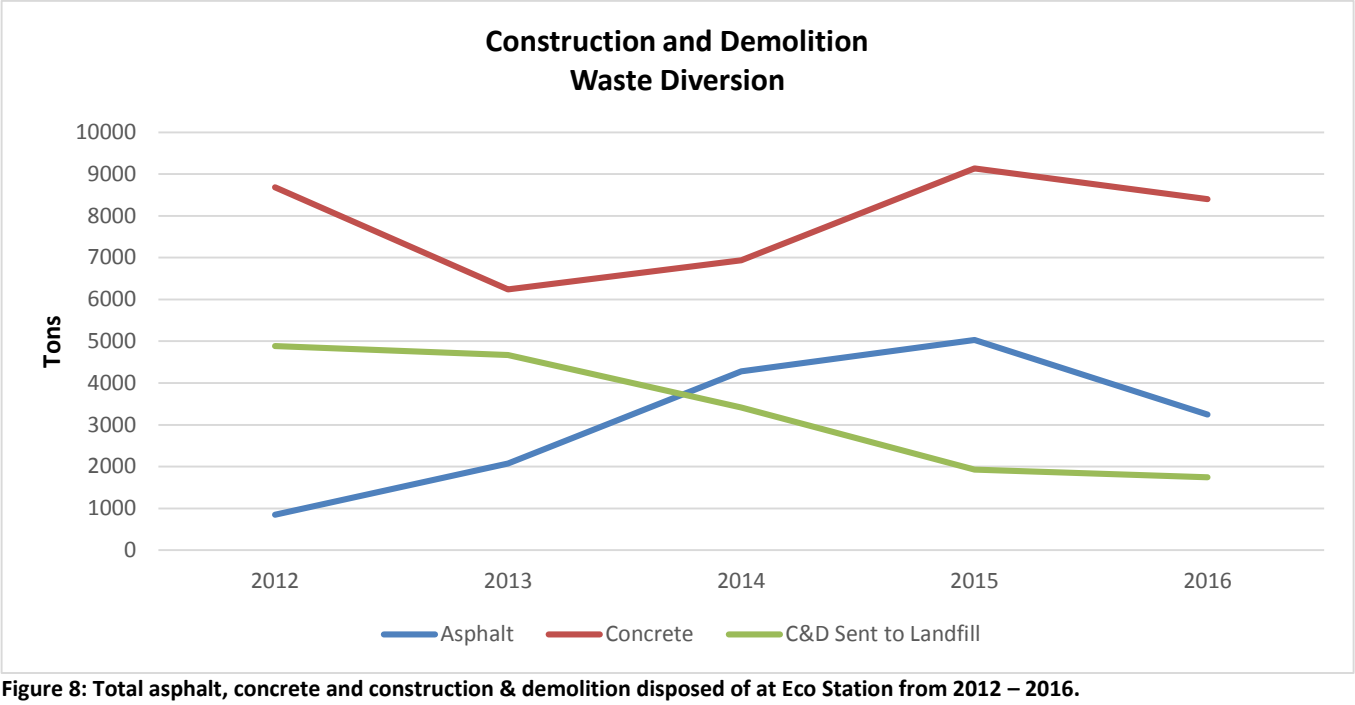


Figure 8: Total asphalt, concrete and construction & demolition disposed of at Eco Station from 2012 – 2016.

Community Indicator 5: Quality of Residential Recycling Services

Goals: Receive an excellent or good rating from at least 75% of respondents in 2020 survey.

Performance: Performance for this measure is based on responses to the following statement in the community survey conducted every other year: Quality of residential recycling services. **Table 5** shows citizen responses to the statement in the 2010 - 2016 surveys.

Do you feel the quality of residential recycling services is:	2010	2012	2014	2016
Excellent	16%	12%	36%	46%
Good	50%	61%	52%	42%
Fair	24%	22%	10%	7%
Poor	8%	5%	1%	1%

Table 5: Responses from 2010 to 2016 community survey question regarding the quality of the residential recycling services

Before 2014 Los Alamos County only accepted plastic #1 and #2, paper goods (newspaper, office paper, magazines, etc.), aluminum cans, and corrugated cardboard for recycling. In 2014, with the construction of the Friedman Recycling facility in Albuquerque the County was able to add plastics #3 - #7 as well as ridged plastic toys, hard/soft back books, phone books, and cereal/cracker boxes. This change increased the citizen satisfaction with residential recycling services and brought us well above the goal of 75% of residents rating the quality of residential recycling services as excellent or good.

Strategy: County staff will continue to work collaboratively with community groups to increase awareness and citizen education in terms of recycling. Over the past several years, the County has had great success partnering with

community groups to develop new programs and increase the effectiveness of existing programs. The work of County government teams focused on the topic of sustainability will also assist greatly in increasing awareness internally, and generating more educated employees who can interact with the community. The publication and annual updates to this document will be integral in raising citizen awareness and participation in the community sustainability programs.

Los Alamos County Local Government Indicators

Due to many recent changes to County facilities it was determined that in order to accurately set local government goals 2012 should be used as the baseline year for facilities-related indicators. For non-facility related measures 2006 is utilized as the baseline.

Local Government Indicator 1: LEED Certified County Facilities

Goal: 100 percent of new County facilities over 5,000 sq. feet will meet or exceed LEED Silver certification.

Performance: Leadership in Energy and Environmental Design (LEED) is an internationally recognized green building certification system developed by the US Green Building Council. With the completion of the Judicial Complex and Pajarito Cliffs Site in 2010, approximately 40% of the total square footage of County facilities was at least LEED Silver Certified. The Pajarito Cliffs Site and the Municipal Building was awarded LEED Gold and the County will continue to strive towards LEED Gold when cost effective. In 2015, the County completed construction of the Los Alamos Nature Center, a 6,000 square foot building which was awarded LEED Gold certification. In 2016, the Los Alamos Community Building (now the Los Alamos Teen Center) was remodeled and is working toward LEED Silver Certification. Due to the Environmental Sustainability Initiative, the County increased the percentage of total building square footage that is LEED certified from 0 to 60%.

Strategy: All new County buildings over 5,000 square feet will meet or exceed the LEED Silver building standards. As old buildings are replaced, LEED Silver certified or better facilities will take their place.

Local Government Indicator 2: County Operations Greenhouse Gas Emissions

Goal: Reduce greenhouse gas emissions from County operations by 22% below 2012 levels by 2020.

Performance: This measure includes emissions from fuel usage in County vehicles, and electricity and natural gas usage in County operations, **Table 6**. One common measure that was not included is emissions from waste due to the fact that there is no accurate way to ascertain County government waste from total County waste figures.

		Electricity (MWH)	Natural Gas (MMBTU)	Gasoline (Gallons)	Diesel (Gallons)	Total Emissions
2011	Usage	10,084	36,501	163,762	141,594	11,493
	Emissions (Metric Tons)	6,300	2,169	1,441	1,583	
2012	Usage	11,014	37,581	183,378	167,164	12,597
	Emissions (Metric Tons)	6,881	2,233	1,614	1,869	
2013	Usage	10,628	42,725	151,487	122,065	11,876
	Emissions (Metric Tons)	6,639	2,539	1,333	1,365	
2014	Usage	9,977	38,165	144,245	131,490	11,240
	Emissions (Metric Tons)	6,233	2,268	1,269	1,470	
2015	Usage	9,779	32,500	143,097	145,507	10,927
	Emissions (Metric Tons)	6,109	1,931	1,259	1,627	
2016	Usage	9,435	32,952	153,035	174,324	11,458
	Emissions (Metric Tons)	6,130	2,180	1,346	1,802	

Table 6: County electricity, natural gas and vehicle usage and the resulting greenhouse gas emissions for 2011 - 2016.

Through the formation of the Green Team, the County has created a centralized body to work on developing policies and implementing specific sustainability initiatives to reduce energy and fuel usage. The team is comprised of County employees from a wide range of County departments and divisions tasked with creating a more sustainable County government. This team has also spawned a new team focused specifically on greening the County vehicle fleet. This internal team, combined with ideas and support provided by the Environmental Sustainability Board will ensure that the sustainability efforts of the County continue to move forward.

Strategy: Because buildings play a significant role in energy usage, they also play a significant role in greenhouse gas emissions. Therefore, when focusing on reducing emissions, the County must utilize the strategies mentioned in the following section focused on the energy intensity of facilities. Another approach the County is pursuing is the installation of on-site renewable energy systems at County facilities. On-site renewable energy systems generate electricity from a renewable source such as sun or wind, and result in no greenhouse gas emissions. These sources can be used in place of carbon intensive electricity that results in high levels of greenhouse gas emissions. On-site renewables in the form of solar thermal panels to generate hot water are currently in use at the new Justice Center, Animal Shelter and at the Eco Station.

Local Government Indicator 3: Energy Usage of County Facilities

Goal: Reduce the energy usage of County facilities 15% per square foot below 2012 levels by 2020.

Performance: Energy usage is a measure of the total annual amount of purchased energy used in County facilities; this includes natural gas and electricity, **Figure 8**. In 2012, County facilities utilized a total of 130.74 BTU's per square foot of energy; 46% from electricity and 54% from natural gas. This was a 6% increase from the 123.45 BTU's per square foot of energy used in 2011. In 2014, County facilities utilized a total of 125.82 BTU's per square foot. This is a 4% decrease from the 130.74 BTU's per square foot of energy; 45.6% from electricity and 54.4% from natural gas used in 2012. In 2016, County facilities utilized a total of 119.56 BTU's per square foot of energy; 46.4% from electricity and 50.6% from natural gas. This is a 5% decrease from the 125.82 BTU's per square foot of energy used in 2014. Total

energy use reduction from 2012 to 2016 is 8%

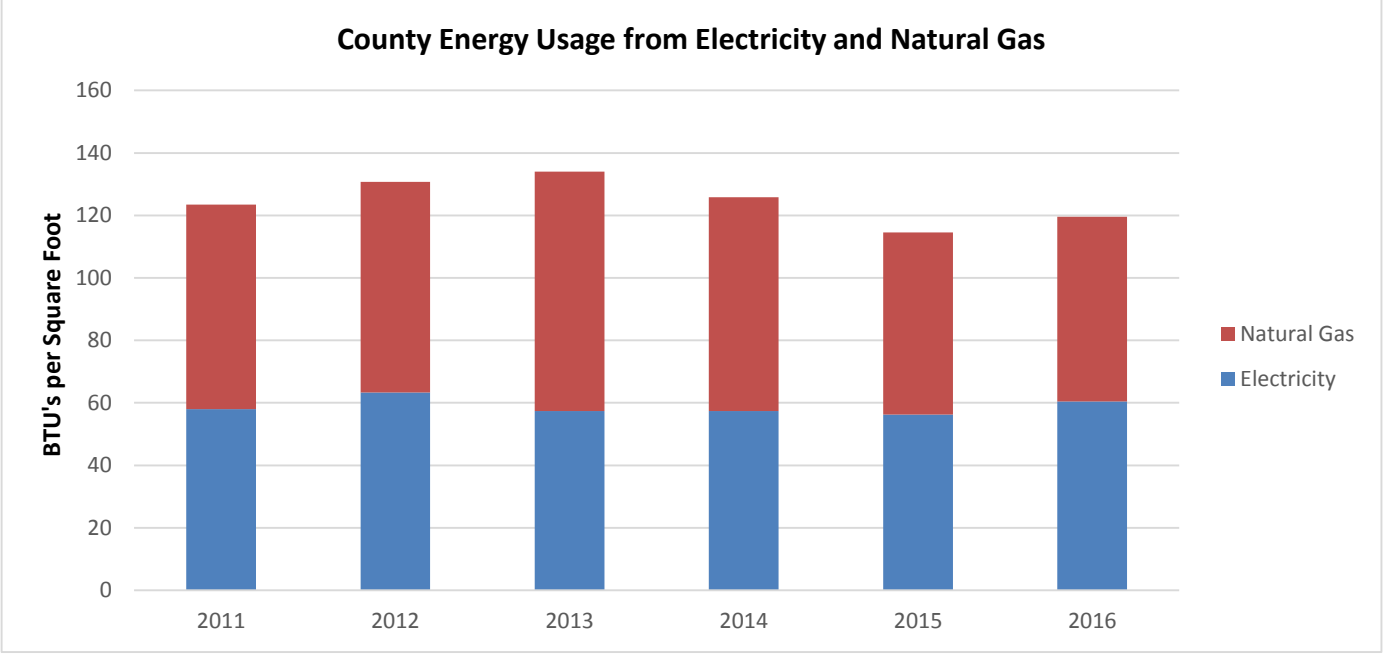


Figure 9: County facilities energy usage in millions of BTU's 2011 - 2016

One policy that will continue to greatly assist in minimizing emissions resulting from energy usage is the County Green Building Policy. This policy reduces energy usage by ensuring that all new County facilities are built in a way that maximizes energy efficiency and promotes alternative transportation. The County also performed building assessments and energy audits on all county facilities expected to be in operation into the foreseeable future. These audits identified approximately 50 potential modifications and energy management changes that have a simple payback of less than ten years. Implementing these changes will greatly reduce building energy usage and save the County money.

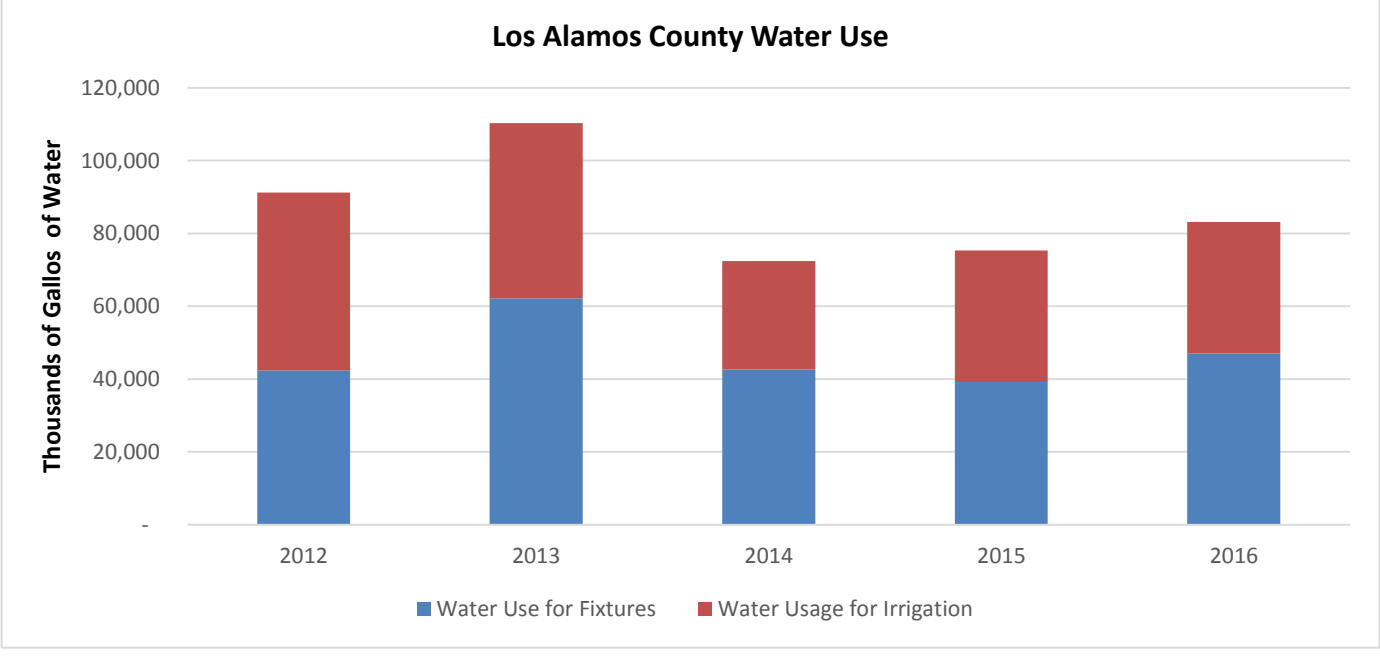
Strategy: The County must ensure that the Green Building Policy continues to be implemented, thereby ensuring new facilities are energy efficient. In terms of existing facilities, the County needs to enact the energy saving measures identified in the recent energy audits. These energy saving measures may come with a high upfront cost, but all identified measures will pay themselves off within ten years and result in more efficient and greener County infrastructure. The implementation of these energy saving measures in conjunction with the building assessment strategy used by the County will ensure existing facilities are performing efficiently.

Creating energy efficient facilities is only part of the solution since it is the behavior of building occupants that leads to a significant portion of energy usage in County facilities. Therefore, the County will continue to educate its employees in order to reduce inefficient behaviors, such as reminding County employees to turn off their computers at the end of the work day in order to help reduce electricity usage. The amount of education and information disseminated to County employees will increase, spearheaded by the Green Team. Changing wasteful and inefficient behaviors such as leaving the light or computer on when not in the office, or using a space heater during the cooler months, can have a noticeable impact on energy usage, and can also help develop behaviors in employees that will save them energy and money at home.

Local Government Indicator 4: Water Usage by County

Goal: Reduce potable water usage in Los Alamos County facilities by 20% below 2012 levels by 2020.

Performance: In 2012 water fixtures in County facilities used 42,337 thousands of gallons of potable water, while 48,923 thousands of gallons of potable water were used for irrigation of County parks and other green space. In 2016 water fixtures in County facilities used 46,972 thousands of gallons of potable water, while 36,142 thousands of gallons of potable water were used for irrigation of County parks and other green spaces. This is a 2% increase of use by water fixtures and a 26% decrease from use for irrigation. Overall, the total reduction in water usage was 9% from 2012 usage. The Parks Division continues to take proactive measures to help minimize the water needs per acre of grass. Frequently aerating grassy areas and planting grass species best fit for the local environment ensure that a beautiful landscape is created while minimizing water use.



Strategy: Reduce the amount of water used by indoor water fixtures and for irrigation through the installation of timers and evapo-transpiration sensors, and expand the availability of an effluent water supply system that will increase the acreage that can be irrigated with effluent water. Reducing water use will require thorough facility water audits and irrigation audits in order to identify potential areas to be converted from high water use to low water use without negatively affecting community usage of facilities and/or significantly increasing labor requirements.

Plan Update Process

A report will be published every two years collaboratively by the Environmental Services Division and Environmental Sustainability Board, updating the County's progress towards the established goals. The report will contain updates on the sustainability indicators, provide information on accomplishments and cite any necessary adjustments to strategy as a result of unsatisfactory performance. The Los Alamos County Environmental Sustainability Plan is meant to be a very dynamic document allowing for the addition of new goals or significant changes to current goals. Critical analysis of goals and strategies on a biennial basis by the Environmental Services Division and Environmental Sustainability Board will ensure that issues of environmental sustainability are continually at the forefront of importance in Los Alamos County, guiding the community toward a sustainable future.

Los Alamos, NM 87544
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County of Los Alamos

Staff Report

February 01, 2018

Agenda No.:

Index (Council Goals):

Presenters:

Legislative File: **10382-18**

…Title

Election of Chair and Vice-chair

…Body

The Boards & Commissions Rules indicate that each Board shall annually elect a Chair and Vice-chair from among its members. The Chair and Vice-chair will serve at the pleasure of the Board and will be eligible for election to subsequent terms.

The existing Chair shall call for nominations for Chair, followed by Board comments, and then a vote. The same process applies for the election of a Vice-chair.

…Recommended Action

I move that [insert name] be appointed Transportation Board Chair.

I move that [insert name] be appointed Transportation Board Vice-chair.

Los Alamos, NM 87544
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County of Los Alamos

Staff Report

February 01, 2018

Agenda No.:

Index (Council Goals):

Presenters:

Legislative File: **10384-18**

…Title

Recognition of Outgoing Transportation Board Chair Brian O'Neil and Board Members Jim Nesmith and Eileen Lime.

…Body

Transportation Board Chair Brian O'Neil and Board Members Jim Nesmith and Eileen Lime are completing their terms and will be leaving the Board on February 28, 2018. Board and Commission members and Staff want to formally recognize their service and thank them for their dedication to the community.

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County of Los Alamos

Staff Report

February 01, 2018

Agenda No.:

Index (Council Goals):

Presenters:

Legislative File: **10385-18**

…Title

Public Works Staff/Project Update - January 2018

…Attachments

A - Public Works Update - January 2018

Public Works Update – January 2018

Administration Division

Transportation Board

The Transportation Board meets the first Thursday of the month at 5:30 p.m. Meetings are held at 1000 Central Avenue, Room #110.

Recruiting

The Transportation Board is actively recruiting new members.

The Board is a seven-member citizen committee appointed by the County Council. The Board obtains public input and makes recommendations to the County Council regarding transportation policies related to all users of the transportation system (pedestrian, bicycles, motor vehicles, transit, and aircraft).

How will the PRISM project affect me?

Each person will be affected in a variety of ways during and after the implementation of PRISM. Here are some of the main areas:

- ✓ Timesheets and Work Orders will change
- ✓ Employee Self-Service Leave and Training Requests will change
- ✓ Warehouse and Inventory Processes will change
- ✓ Purchase Orders, Invoicing and Budgets will change
- ✓ Applying for, requesting and filling vacancies will change

End user training will officially begin in April 2018, however, there will be many opportunities prior to that date for users to get involved in testing and validation sessions. The go-live date for PRISM is July 1, 2018.

Airport Division

Quarterly SWPPP Inspection

A quarterly Storm Water Pollution Prevention Plan (SWPP) inspection was completed as part of the airport's National Pollution Discharge Elimination System (NPDES) Permit. The inspection determined the airport is in full compliance with its obligations. Additionally, the inspection noted some areas for additional improvements and repairs – specifically, the installation of waddles around drainage culverts and the replacement of some silt fencing. As mentioned above, airport and Street personnel are addressing the improvements.

Drainage Improvements and Repairs

Airport staff recently installed waddles around drainage culverts to help mitigate the introduction of silt into tributaries and streams and ensure continued compliance with the airport's NPDES Permit as mentioned above.

Airport Engineering, Architectural and Planning Services Request for Qualifications (RFQ)

The County intends to issue a RFQ for Airport Engineering, Architectural and Planning Services as is required by the Federal Aviation Administration (FAA). These services will be used for Capital Improvement Projects as contemplated in the Airport Master Plan with grant funding from the FAA, NMDOT and the County.

Rental Car Concessions Request for Proposal (RFP)

The County issued an RFP on December 22nd for rental car services to LANL and the public from the airport terminal. Proposals were due back January 17, 2018. Proposals will be evaluated and scored with a planned agreement start date of February 1, 2018.

Perimeter Road Improvements

Streets crews completed improvements to the airport perimeter road. These improvements provide better access to the segmented circle and windsock (visual navigation tools for pilots) and the Automated Weather Observation System which provides the official weather for pilots, the National Weather Service and other weather providers such as the Weather Channel.

Custodial Division

The Custodial Division supported 189 events during the month of January.

Green Cleaning

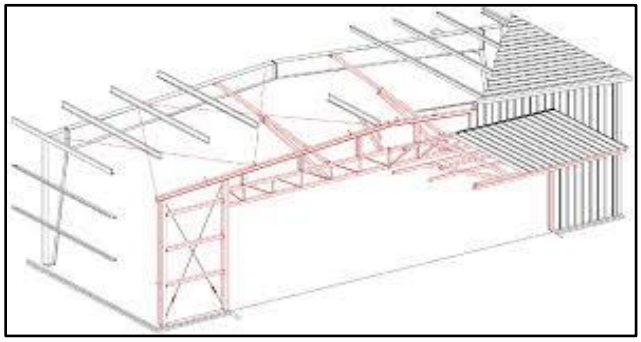
Installation of the Green Cleaning dispensers for chemicals and paper products began this month.

Approximately 500, soap, air fresheners and paper products dispensers were ordered.

The new improved sound system for Fuller Lodge is expected to be installed in February.

Engineering & Project Management Division

New Aircraft Hangar Construction



Airport and Engineering staff have prepared a bid package for the assembly of a county owned and operated aircraft hangar and storage building. Bids were due on December 19th and no bids were received. Procurement re-advertised the solicitation, and two responsive bids were received. However, the bids exceeded the available budget. Staff is currently evaluating a path forward.

Engineering & Project Management Division

Teen Center – LEED Certified!

Engineering staff was recently pleased to learn that the Teen Center was recognized as "LEED Certified" as a result of facility improvements completed in 2016.

The Community Building was built in 1948 as the original Telephone building to support the Manhattan project in Los Alamos. It has gone through several renovations and additions prior to becoming a County facility in the late 1970. Prior to the 2016 remodel, the building underwent a renovation in the early 2000's to temporarily accommodate county government functions.

The original building envelope was not changed although new stucco, windows and shade structures were installed. Interior renovations included removal of asbestos containing materials, installation of an energy efficient HVAC system, low water restroom fixtures, and green-friendly floor and wall treatments that also improved the architectural aesthetics.

Special thanks to the entire project team for this achievement including:

- Wayne Kohlrust, County Project Manager
- NCA Architects and the design team
- R&M Construction and their sub-contractors,
- Verdacity (formerly EDI) the LEED consultant, and
- EEI, the commissioning agent

Upcoming Construction Bid Advertisements

- **Utilities/311 Remodel:** Utilities and Engineering staff have worked with an architect to develop plans to improve Customer Care service to the public. The design includes a store front design with a service counter, work spaces for 311 staff, and a small private conference room. This project was advertised for construction bids on November 28th with bids due on January 4th. Bids came in over the Architects cost estimate and the bids have been rejected. Department of Public Utilities may consider adding budget for the project next year and then rebid the project.
- **Fire Station 3:** Architectural design plans and preparation of bid documents are nearing completion. Bid advertisement for project construction is anticipated in early 2018. The project includes reroofing, as well as a new wall system, window replacement and HVAC system modifications to better insulate and control the temperature in the bunkrooms. Construction is anticipated to begin mid-April 2018 and completed in the fall of 2018.
- **Landfill Gas Extraction:** Engineering and Environmental Services staff have worked with an engineering consultant to develop design plans for a permanent gas extraction system for the landfill to comply with New Mexico Environment Department methane gas limits. The permanent extraction system project was advertised for construction bids on December 10th, a pre-bid meeting was held on December 21st and the bid opening is scheduled for January 25th. Construction is scheduled for early 2018 pending bid award.

Fuller Lodge Sound System – Candyman

A purchase order was issued to Candyman in Santa Fe to supply and install a new sound system for Fuller Lodge to replace the existing system. Facilities will have some minor associated work in conjunction with it, mainly building a wood cabinet to house all the equipment as well as providing a dedicated electrical circuit. The installation should be complete by late February, early March.

Mesa Library Fire Panel Replacement

The project has been awarded to Great Western Specialty Systems in the amount of $148,248.30.

The material and parts submittal and review process is underway. Crews are tentatively scheduled to work 4 nights per week, from 9 pm to 8 am. Working nights will greatly reduce potential conflicts and inconveniences (noise, dust) that could occur during library operating hours. Final functional testing would occur the following week. The work is anticipated to begin the 1st or 2nd week in February, with some early staging of equipment and supplies occurring prior. Once a firm schedule of night work is established, a press release will be issued. The project manager will also coordinate with library staff, Fire and LAPD of the night work operations. Substantial project completion is scheduled for late March 2018.

Mesa Library HVAC Improvements

The current system is an evaporative cool system, while a less expensive system to install and operate however, it does not provide adequate cooling during times of high (30% plus) humidity. The system itself is limited in its cooling capacity due to its original design. The design consultant evaluated several system options which included an initial and life-cycle cost analysis. This evaluation resulted in a system that was selected for design.

Staff and the architect have been working to complete the design, incorporate changes in the mechanical code, and ensure all the electrical associated with the HVAC and lighting are fully documented.

Public Works and Community Services Department staff are working closely to plan improvements to ensure the public is accommodated and library services are maintained during the construction phase of the project.

The project will go to bid this spring with an anticipated Council award in May and construction starting in August.

Canyon Rim Trail Phase 3

The County's consultant has submitted an updated preliminary alignment, due to potential development of adjacent private property, to be discussed with DOE and LANL for easements necessary to construct the Canyon Rim Trail from Knecht St. to 20th Street. Coordination with DOE and LANL staff is ongoing.

Canyon Rim Trail Underpass
The project was awarded federal FY2018 funding under the Transportation Alternatives Program (TAP) for project study and design in the amount of $320,000 and FY2020 TAP funding for project construction in the amount of $2,020,000 for a total award of $2,340,000.
The County received the executed funding agreement from the NMDOT for the design portion of the project. Engineering staff is currently evaluating proposals from contracted design professionals to begin the design phase.

Recreation Capital Improvement Projects
Engineering, in coordination with Community Services staff, is currently developing the scope of work for an RFP to solicit professional architectural design services for the Kiddie Pool, Splash Pad, Golf Course, and Ice Rink Improvements.

Future Projects…

- NM 4/East Jemez Rd. (Truck Route) Intersection: Staff continues to work with DOE, NMDOT Bandelier, and Army Corps of Engineers to program, design and construct intersection upgrades to improve capacity and safety.
- NM 502 Reconstruction, Knecht St. to Tewa Loop: Staff continues to coordinate with NMDOT on this state lead project. NMDOT bid the project for a third time on December 15th and received no bidders. The County awaits further information from NMDOT management on the future of the project. The mill and overlay work is out to bid.
- Facility Condition Assessment for the Senior Center: Work will include review the 2010 assessment using an on call architectural firm and update the report as needed for future planning of work at the Senior Center. A facility study needs to be accomplished and then a grant application made to potentially fund part of the renovation project. We are currently awaiting the results of a grant application for funding by the State, which should be determined in the upcoming 2018 legislative session.

Environmental Services Division

New Transportation Services Provider for Refuse and Recycle Materials
Environmental Services has contracted with Martinez Custom Trailers (MCT) as the new hauling contractor for refuse and recycle materials. MCT has many years of experience in the hauling of refuse in New Mexico and Environmental Services staff are looking forward to working with them.

Curbside Yard Trimmings Roll Cart
Online registration is now open for the curbside yard trimmings roll cart program. The yard trimmings roll cart program will begin July 2018. To date Environmental Services has received 637 registration entries for a roll cart. By implementing the Yard Trimming roll cart, Los Alamos County residents have an opportunity to divert 14% of our waste stream from the landfill each year. The diversion efforts have the potential to divert 1,107 tons annually and will reduce hauling and disposal costs, reduce greenhouse gas emissions, extend the life of the landfill, and provide high-quality garden and landscaping materials for residents.

Christmas Tree Collection

Environmental Services staff has been busy collecting Christmas trees from around town and has collected 7.11 tons of Christmas trees to date. The trees will be ground into mulch and used as landscaping material or composted.

Fall 2017 Brush Collection

Fall brush collection started on November 6th and has been completed. Staff collected over 35.26 tons of brush to date. A final brush collection will be scheduled in April 2018 for the final collection before the yard trimming roll cart program is rolled out.

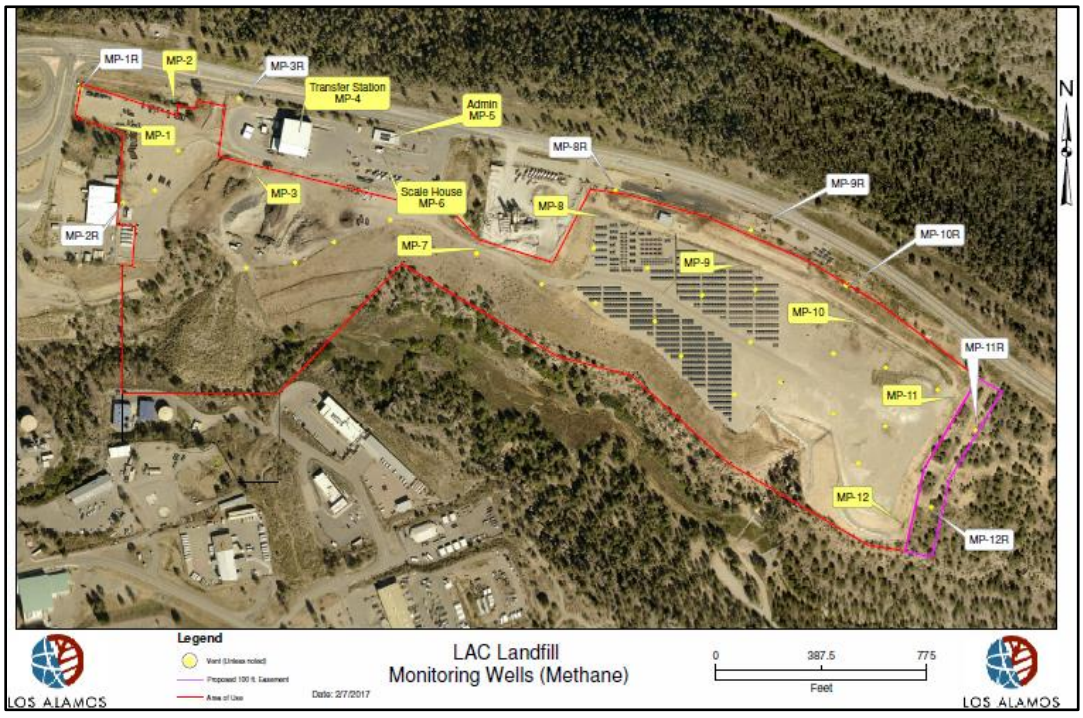
Los Alamos County Landfill Gas (LFG) Update

This is a summary of results for December 2017 methane monitoring for the Los Alamos County closed landfill.

1. The LFG vents ranged in methane concentrations from 43.9 (LFG Vent – 7) to 58.6 (LFG Vent – 1) percent gas in air.

2. The gas probes near the toe of the landfill materials ranged in methane concentrations from 11.6 (MP-12) to 53.5 (MP-8) percent gas in air.

3. The gas probes near the boundary of the landfill ranged in methane concentrations from 1.5 (MP-12R) to 33.2 (MP-10R) percent gas in air.



New Environmental Services Collection Truck

Environmental Services is in receipt of the new residential collection truck. The truck displays artwork from Kylie Alvarez, Chamisa Elementary School 4th grade student, and Philippa Fung, Barranca Elementary School 6th grade student. The truck will be in revealed at the LAPS school board meeting in February to display the art and recognize the artists.

Transfer Station Wall Repair

Construction for the new metal armor for the Transfer Station push wall is currently underway. Below, Mike Thomas (right), a certified welding inspector, inspects the welds of David Meyer (left) to ensure the welds are sufficient under the AWS standards. The interim welding inspection went well and all welds passed inspection.

Residential Sustainability Report

Residential Sustainability Report

Service Period: December 2017

Recyclables Collected: 107.87 tons
Trash Collected: 369.39 tons
Compostable Materials Collected: 15.80 tons
Total Material Collected: 493.06 tons

LOS ALAMOS

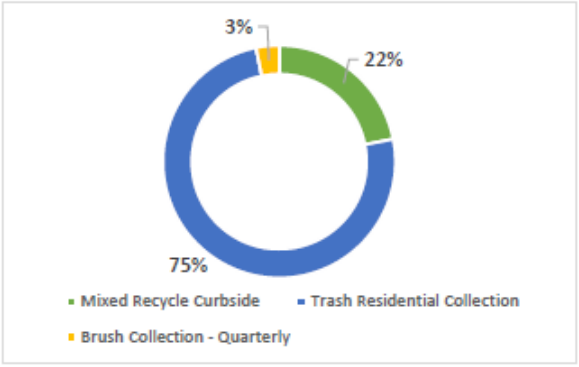
Monthly Collection Report

November Diversion Rate: 20%

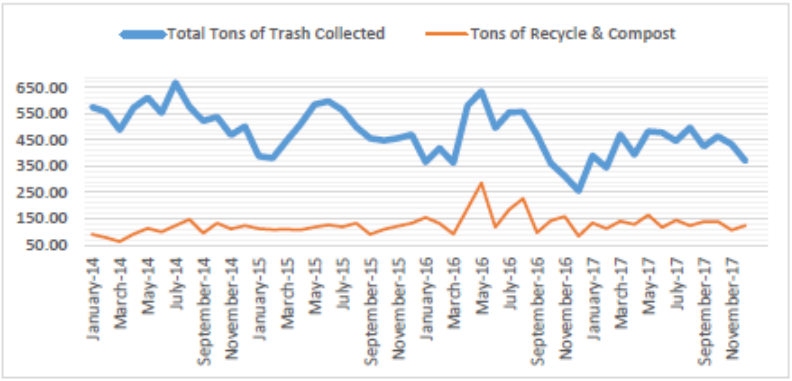
December Diversion Rate: 25%

A 9% Increase in Diversion

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

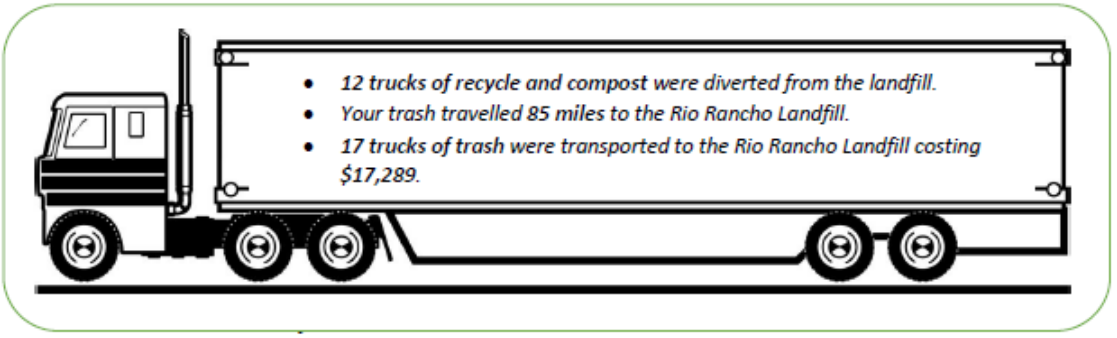


Month by Month Recycling Comparison



Benefits of Recycling

- Reduces the amount of waste sent to landfills and combustion facilities.
- Conserves natural resources such as timber, water, and minerals.
- Prevents pollution by reducing the need to collect new raw materials.
- Saves energy.
- Reduces greenhouse gas emissions that contribute to global climate change.



- *12 trucks of recycle and compost were diverted from the landfill.*
- *Your trash travelled 85 miles to the Rio Rancho Landfill.*
- *17 trucks of trash were transported to the Rio Rancho Landfill costing $17,289.*

Facilities Division

Working on heating issues at the Golf Course, Justice Center, Pajarito Cliffs Site Building 3 and 5 and the Airport.

Gas leak in the warehouse area of the Pajarito Cliffs Site Building 3. Crews shut down the building and performed a pressure test on the system.

Working at the Animal Shelter on different work orders.

Fleet Division

A new patrol unit was received for the Police Department.

Matthew Lengyel was hired by the Fleet Division as a Mechanic II. Matthew has worked with the City of Santa Fe and NMDOT as a heavy equipment mechanic. Welcome to the County Matthew.

Robert Clark was recently promoted to Fleet Shop Forman. Robert has been with the Fleet Division since July 2013. He has held a variety of jobs since graduating from Los Alamos High School in 1985. Robert has served in the United States Army as a light wheeled vehicle mechanic, served three combat tours, Desert Storm, Somalia and Bosnia. He served in Iraq for Operation Iraqi Freedom with the NM National Guard. He has worked for Rocky Mountain Cummins, Waste Management in Rio Rancho and Bruckner's in Albuquerque.

Raul Lujan was recently promoted to Fleet Shop Foreman. Raul started with the County in 2013. Raul began working on vehicles at a young age with his father. He has been working in the automotive industry since 2000. Raul graduated with an associate's degree from Universal Technical Institute in 2004, since then has acquired several certifications in the automotive field.

Traffic & Streets Division

Crews swept 492 miles this month, they cleared brush and have started to respond to the snow that finally worked its way to Los Alamos this month. Crews have also been maintaining their shops, repairing equipment and getting things ready for the upcoming construction season.

Staff and other departments along with some private contractors who work within Los Alamos County ROW took an ATSSA Flagger Training on January 8th at PCS in preparation for maintaining a high level of safety for the upcoming construction season.

Crews were called out by the LAC Police Department to fix a sign that was damaged due to a vehicle accident on Trinity near the TRK building.

Risk Management offered a CPR, AED and First Aid Training at PCS. Some of the Traffic and Streets Crew attended the training. Others will attend the next session.

Crews repaired a 52’ section of sidewalk at the Hospital per a GWS request.

Crews assisted GWS in repairing a section of road where a utility leak was repaired at Arizona and 36th Street.

Crews repaired an erosion issue at DP Road.

Crews began working on dressing and repairing shoulders in Pajarito Acres and La Senda. This project should complete by the end of January.

Traffic Electricians Alipio Mondragon, Ray Baca and Chris Montoya attended The Light Brigade Fiber Optics Course January 9 – 12 in Albuquerque. This was a four-day class that has been developed with 16 hours of lecture time and 16 hours hands-on skills labs that provide the practical understanding and skills required to properly design, install, and maintain fiber optic networks. The electricians have already begun to utilize this training were fiber optics are servicing traffic signal cabinets.


The signs and markings crew installed “quick-curb” with associated vertical panels and stop signs at Sullivan field.

Crews installed the bike friendly community signs in Los Alamos and White Rock

Crews have been working on repairing sign making equipment, maintaining striping equipment and getting things ready for the warm weather for striping curbs and parking lots. They have been busy making new signs for placement countywide.

Crews have been assisting Atomic City Transit by installing electric LED bus shelter lighting countywide. The one above is located at the Golf Course. In some cases, they have had to trench to tie-in to existing power to provide electricity to these shelters.

Crews have also been removing/replacing street light poles on Canyon Road. The poles are repaired when possible and sent to a vendor for powder coating.

Management and administration have been working with the PRISM team to test the work order system that will be implemented July 1, 2018.

Administration has also been preparing to set up the office to take payment for Traffic Control, Excavation, and Curb Cut permits to maintain the highest customer service.

Transit Division

The Transit Division provided service for the 2017 DWI Council sponsor "BUZZ Bus New Year's Eve". Atomic City Transit Transported 37 passengers over 199 miles for the evening and no DWI arrests were made that evening. During the DWI council meeting of January 11, 2018, it was discussed attendance of events around Los Alamos seemed to lower than in past years.

The next event for the "BUZZ Bus" will be Saturday March 17, 2017 St. Patrick's Day. Reservations are always a good idea but not required. Reserve your ride early and save your place. Reservations will start on Friday March 16, 2018 beginning at 7:00 am to 8:30 pm. Phone lines will resume on Saturday March 17, 2018 at 6:00 pm. You can help end DWI in Los Alamos County, give us a call.

Atomic City Transit presented services sponsored by DWI Council for 2017 to the DWI Council on January 11, 2018. Below is a snap shot of events and performance. Los Alamos County is working hard to keep your streets safe.

Service	Date	Amount	Trips
New Year's Eve	12/30/2016 & 12/31/2016	$ 2,568.82	9 – 12/30/2016 80 – 12/31/2016
Super bowl	2/5/2017	$ 1,143.20	8
St Patrick's	3/17/2017	$ 1,531.46	59
Ullr Fest	9/23/2016	$ 1,598.76	535
Halloween	10/28 & 10/29/2017	$ 1,862.70	67
Summer Concerts May-June	5/26/17 - 6/30/17	$ 6,457.20	349
Gordon Concerts - July	Jul-16	$ 4,656.89	190
Gordon Concerts - August	Aug-16	$ 4,424.05	189
Gordon Concerts – September	Sep-16	$ 2,655.12	110
		$ 26,898.20	1,596

KUDOS

ATOMIC CITY TRANSIT

Passenger Name: Leonel Vargas Date: 12-23-17

Address: _____ Phone: _____

(In order for this to be a valid complaint, name and address must be completed)

COMPLAINT ☐ COMMENDATION ☑ SUGGESTION ☐:

Terryn Baldonado. Young man with a right attitude + personality kind to passengers

Include specific information (e.g., route, driver's name, time of day). Thank you for helping us to improve our transportation services.

AtomicCityTransit.com (505) 661-Ride

ATOMIC CITY TRANSIT

Passenger Name: ~~JON GONZALES~~ LEONEL VARGAS Date: 12/07/17

Address: _____ Phone: _____

(In order for this to be a valid complaint, name and address must be completed)

COMPLAINT ☐ COMMENDATION ☑ SUGGESTION ☐:

Jon Gonzales - KIND-HELPFUL CONSIDERAT- MAKES ALLOWANCE FOR MY OLD AGE + DISABILITIES

Include specific information (e.g., route, driver's name, time of day). Thank you for helping us to improve our transportation services.

AtomicCityTransit.com (505) 661-Ride

ATOMIC CITY TRANSIT

Passenger Name: LEONEL E. VARGA Date: 12/15/2017

Address: _____ Phone: _____

(In order for this to be a valid complaint, name and address must be completed)

COMPLAINT ☐ COMMENDATION ☑ SUGGESTION ☐:

David C, Kind; helpfull and cheerfull

Include specific information (e.g., route, driver's name, time of day). Thank you for helping us to improve our transportation services.

AtomicCityTransit.com (505) 661-Ride

ATOMIC CITY TRANSIT

Passenger Name: Heather Phillips Date: Jan. 12. 2018

Address: _____ Phone: _____

(In order for this to be a valid complaint, name and address must be completed)

COMPLAINT ☐ COMMENDATION ☒ SUGGESTION ☐:

TO STAFF: THANK YOU FOR WORKING WITH ME TO GET ME TO MY DESTINATIONS IN 2017. ALSO FOR ON OCCASION IN TRUE TIMES OF NEED GOING ABOVE AND BEYOUD TO GET ME WHERE I KNEED TO BE. IM GENUINLY THANKFUL TO ALL OF YOU. I WISH YOU THE BEST OF THE NEW YEAR TO YOU ALL + YOUR LOVED ONES. PRAYERS + BLESSINGS!

Include specific information (e.g., route, driver's name, time of day). Thank you for helping us to improve our transportation services.

HEATHER PHILLIPS + DUKE PHILLIPS

AtomicCityTransit.com (505) 661-Ride

ATOMIC CITY TRANSIT

Passenger Name: LEONEL E VARGAS Date: 12/07/17

Address: _____ Phone: _____

(In order for this to be a valid complaint, name and address must be completed)

COMPLAINT ☐ COMMENDATION ☑ SUGGESTION ☐:

Kyle Extreemly helpful, I was late and about my Bus Route # 6. He called A-C-T and Julie picked me and delivereng at home.

Include specific information (e.g., route, driver's name, time of day). Thank you for helping us to improve our transportation services.

AtomicCityTransit.com (505) 661-Ride

ATOMIC CITY TRANSIT

Passenger Name: Leonel E Vargas Date: 12/07/17

Address: _____ Phone: _____

(In order for this to be a valid complaint, name and address must be completed)

COMPLAINT ☐ COMMENDATION ☑ SUGGESTION ☐:

Julie from A.C.T. was very compassionate kind and encouraging + kind

Include specific information (e.g., route, driver's name, time of day). Thank you for helping us to improve our transportation services.

AtomicCityTransit.com (505) 661-Ride

ATOMIC CITY TRANSIT

Passenger Name: Nicholas Capelli Date: Dec 5th

Address: ___ ____ Phone: ____

(In order for this to be a valid complaint, name and address must be completed)

COMPLAINT ☐ **COMMENDATION ☐** **SUGGESTION ☐:**

Driver was great. DeGra

Include specific information (e.g., route, driver's name, time of day). Thank you for helping us to improve our transportation services.

AtomicCityTransit.com (505) 661-Ride