

Location: User-specified polygonal location

Ring (buffer): 0-mile radius

Description:

Summary of ACS Estimates		2011 - 2015		
Population				16,802
Population Density (per sq. mile)				674
Minority Population				4,494
% Minority				27%
Households				7,127
Housing Units				7,803
Housing Units Built Before 1950				721
Per Capita Income				48,642
Land Area (sq. miles) (Source: SF1)				24.93
% Land Area				100%
Water Area (sq. miles) (Source: SF1)				0.03
% Water Area				0%
		2011 - 2015 ACS Estimates	Percent	MOE (±)
Population by Race				
Total		16,802	100%	402
Population Reporting One Race		16,433	98%	877
White		14,544	87%	404
Black		87	1%	32
American Indian		187	1%	59
Asian		1,108	7%	229
Pacific Islander		17	0%	25
Some Other Race		490	3%	128
Population Reporting Two or More Races		369	2%	152
Total Hispanic Population		2,847	17%	224
Total Non-Hispanic Population		13,955		
White Alone		12,308	73%	361
Black Alone		87	1%	32
American Indian Alone		178	1%	59
Non-Hispanic Asian Alone		1,108	7%	229
Pacific Islander Alone		17	0%	25
Other Race Alone		82	0%	74
Two or More Races Alone		175	1%	70
Population by Sex				
Male		8,605	51%	285
Female		8,198	49%	261
Population by Age				
Age 0-4		961	6%	99
Age 0-17		4,009	24%	164
Age 18+		12,794	76%	231
Age 65+		2,665	16%	106

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available.

Source: U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

Location: User-specified polygonal location
 Ring (buffer): 0-mile radius
 Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	11,838	100%	181
Less than 9th Grade	189	2%	60
9th - 12th Grade, No Diploma	183	2%	55
High School Graduate	1,322	11%	99
Some College, No Degree	2,703	23%	134
Associate Degree	922	8%	89
Bachelor's Degree or more	7,442	63%	187
Population Age 5+ Years by Ability to Speak English			
Total	15,841	100%	335
Speak only English	12,962	82%	270
Non-English at Home ¹⁺²⁺³⁺⁴	2,879	18%	185
¹ Speak English "very well"	2,183	14%	169
² Speak English "well"	319	2%	84
³ Speak English "not well"	197	1%	80
⁴ Speak English "not at all"	180	1%	137
³⁺⁴ Speak English "less than well"	377	2%	154
²⁺³⁺⁴ Speak English "less than very well"	696	4%	157
Linguistically Isolated Households*			
Total	220	100%	90
Speak Spanish	143	65%	89
Speak Other Indo-European Languages	8	4%	13
Speak Asian-Pacific Island Languages	69	31%	37
Speak Other Languages	0	0%	11
Households by Household Income			
Household Income Base	7,127	100%	117
< \$15,000	458	6%	80
\$15,000 - \$25,000	210	3%	42
\$25,000 - \$50,000	1,081	15%	119
\$50,000 - \$75,000	717	10%	87
\$75,000 +	4,660	65%	156
Occupied Housing Units by Tenure			
Total	7,127	100%	117
Owner Occupied	5,177	73%	114
Renter Occupied	1,950	27%	119
Employed Population Age 16+ Years			
Total	13,392	100%	232
In Labor Force	8,769	65%	210
Civilian Unemployed in Labor Force	312	2%	51
Not In Labor Force	4,623	35%	179

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

*Households in which no one 14 and over speaks English "very well" or speaks English only.

EJSCREEN ACS Summary Report



Location: User-specified polygonal location

Ring (buffer): 0-mile radius

Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	15,841	100%	335
English	N/A	N/A	N/A
Spanish	N/A	N/A	N/A
French	N/A	N/A	N/A
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	N/A	N/A	N/A
Yiddish	N/A	N/A	N/A
Other West Germanic	N/A	N/A	N/A
Scandinavian	N/A	N/A	N/A
Greek	N/A	N/A	N/A
Russian	N/A	N/A	N/A
Polish	N/A	N/A	N/A
Serbo-Croatian	N/A	N/A	N/A
Other Slavic	N/A	N/A	N/A
Armenian	N/A	N/A	N/A
Persian	N/A	N/A	N/A
Gujarathi	N/A	N/A	N/A
Hindi	N/A	N/A	N/A
Urdu	N/A	N/A	N/A
Other Indic	N/A	N/A	N/A
Other Indo-European	N/A	N/A	N/A
Chinese	N/A	N/A	N/A
Japanese	N/A	N/A	N/A
Korean	N/A	N/A	N/A
Mon-Khmer, Cambodian	N/A	N/A	N/A
Hmong	N/A	N/A	N/A
Thai	N/A	N/A	N/A
Laotian	N/A	N/A	N/A
Vietnamese	N/A	N/A	N/A
Other Asian	N/A	N/A	N/A
Tagalog	N/A	N/A	N/A
Other Pacific Island	N/A	N/A	N/A
Navajo	N/A	N/A	N/A
Other Native American	N/A	N/A	N/A
Hungarian	N/A	N/A	N/A
Arabic	N/A	N/A	N/A
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	N/A	N/A	N/A
Total Non-English	N/A	N/A	N/A

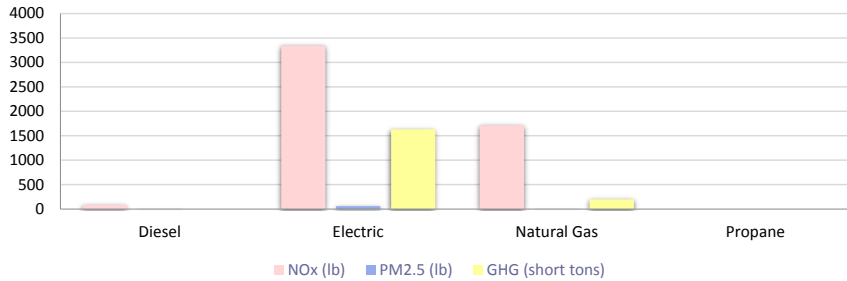
Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

*Population by Language Spoken at Home is available at the census tract summary level and up.

Los Alamos County Electric Powered Bus and Charging Station

Environmental Mitigation with Scrappage

New Vehicle Emission Benefit



New Vehicle Emission Benefits

Pollutant	Diesel	Electric	Natural Gas	Propane
NOx (lb)	85.09	3345.58	1715.34	N/A
PM2.5 (lb)	1.54	58.56	1.54	N/A
GHG (short tons)	0	1634.18	200.82	N/A

New Vehicle Cost Effectiveness

Pollutant	Diesel	Electric	Natural Gas	Propane
NOx (lb)	N/A	\$556	N/A	N/A
PM2.5 (lb)	N/A	\$31,752	N/A	N/A
GHG (short tons)	N/A	\$1,138	N/A	N/A

Project Options	
State	NM
Project Type	Environmental Mitigation with Scrappage
Vehicle Options	
Type	Transit Bus
Number of Vehicles	2
Model Year of Scrapped Vehicle	2011
Years for Early Retirement of Scrapped Vehicle	1
Lifetime of New Vehicle (Years) After Scrappage	12
Annual Miles of Scrapped Vehicle	49740
Annual Miles of New Vehicle	49740
Use Diesel In-Use Multiplier?	No
Use Low NOx Engines?	No
Funding Options (\$)	
Diesel Vehicle Funding	\$0.00
Electric Vehicle Funding	\$1,859,370.00
Natural Gas Vehicle Funding	\$0.00
Propane Vehicle Funding	\$0.00
Fuel Options	
Natural Gas (NG) Feedstock Source	North American NG
Source of Electricity	TRE
Source of Electricity Percentages	
Residual Oil	0.1%
Natural Gas	53.3%
Coal	24.4%
Nuclear	11.7%
Biomass	0%
Renewable (e.g Wind, Solar)	10.5%
Fuel Economy	
Old Diesel (MPDGE)	4.1
New Diesel (MPDGE)	4.1
Electric (MPDGE)	10.5
Natural Gas (MPDGE)	3.5
Propane (MPDGE)	N/A

NOx Emissions				
Fuel	Year	Remaining Years	Scrappage Years	Emission Rate (g/mi)
Diesel	2011	N/A	1	1.321
Diesel	2017	N/A	1	0.933
Diesel	2017	12	N/A	1.161134868
Electric	2017	N/A	1	0
Electric	2017	12	N/A	0
Natural Gas	2017	N/A	1	0.4665
Natural Gas	2017	12	N/A	0.580567434
Propane	2017	N/A	1	N/A
Propane	2017	12	N/A	N/A
PM2.5 Emissions				
Fuel	Year	Remaining Years	Scrappage Years	Emission Rate (g/mi)
Diesel	2011	N/A	1	0.023
Diesel	2017	N/A	1	0.016
Diesel	2017	12	N/A	0.020333333
Electric	2017	N/A	1	0
Electric	2017	12	N/A	0
Natural Gas	2017	N/A	1	0.016
Natural Gas	2017	12	N/A	0.020333333
Propane	2017	N/A	1	N/A
Propane	2017	12	N/A	N/A
GHG Emissions				
Fuel	Year	Remaining Years	Scrappage Years	Emission Rate (g/mi)
Diesel	2011	N/A	1	3143.789172
Diesel	2017	N/A	1	3143.789172
Diesel	2017	12	N/A	3143.789172
Electric	2017	N/A	1	1997.438758
Electric	2017	12	N/A	1997.438758
Natural Gas	2017	N/A	1	3002.915722
Natural Gas	2017	12	N/A	3002.915722
Propane	2017	N/A	1	N/A
Propane	2017	12	N/A	N/A