NEW MEXICO
ENVIRONMENT DEPARTMENT

Michelle Lujan Grisham
Governor

Howie C. Morales
Lt. Governor

525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico 87505
Phone (505) 476-4300 Fax (505) 476-4375
www.env.nm.gov

James C. Kenney
Cabinet Secretary

Jennifer J. Pruett
Deputy Secretary

Limited English Proficiency (LEP) Services Evaluation

Air Quality Bureau (AQB)

Project: Regional Haze State Implementation Plan Revision (RH SIPr)

Regulatory Significance: The RH SIPr is being undertaken pursuant to the federal code of regulations, Part 51, Subpart P, which requires NMED to develop and submit to EPA a revised RH SIP to protect visibility at federal Class I Areas. The nine Class I Areas in New Mexico are Bandelier Wilderness Area; Bosque del Apache Wilderness Area; Carlsbad Caverns National Park; Gila Wilderness Area; Pecos Wilderness Area; Salt Creek Wilderness Area; San Pedro Parks Wilderness Area; Wheeler Peak Wilderness Area; and White Mountain Wilderness Area. This is a statewide planning project and demographic analysis focuses on New Mexico.

Factor 1 – The Number and Proportion of LEP Individuals Eligible to be Served or Likely to be Encountered in the Community of Concern.

Table 1 contains demographic indicators related to language obtained from the EJSCREEN ACS Summary Reports (2014-2018) and the U.S. Census Bureau American Community Survey (https://www.census.gov/acs/www/data/data-tables-and-tools/data-profiles/2018/) prepared for the project's Public Involvement Plan (PIP). The results of the EJSCREEN ACS Summary Reports indicate that a significantly larger percentage of population (62.3%) in New Mexico are a minority compared with the minority population (28.9%) of the United States. Households in New Mexico are 5.3% linguistically isolated, which is comparable to the U.S. average (4.4%). Spanish is the predominant language in these households. The per capita income is $26,085 in New Mexico, which is lower than the average of U.S. per capita income ($32,621). These results indicate that attention should be paid to additional language assistance, especially Spanish, but also Navajo.

Table 1: Potentially affected communities and their estimated demographics.

Potentially Affected Community	Total number of households	Per capita income	Minority population	Linguistically Isolated Households*	Predominant Language in Linguistically Isolated Households	LEP Individuals†
USA	119,730,128	$32,621	28.9%	4.4%	Spanish	8.5%
New Mexico	775,651	$26,085	62.3%	5.3%	Spanish	8.9%

* Linguistically Isolated Households are those in which no one 14 and over speaks English "very well," or speaks English only.
† Limited English Proficient Individuals are those that speak a language other than English at home and who speak English "less than very well."

Factor 2 – The Frequency with Which LEP Individuals Come in Contact with the Program.

Diné C.A.R.E. (Citizens Against Ruining our Environment) has participated in a stakeholder outreach meeting with the Bureau in February 2021 and has asked the AQB to provide information about the project to Navajo Nation Chapter Houses during the decision and hearing phases of the project. The AQB is working with our Tribal Liaison to provide this information to the Navajo Nation as well as other Tribal Environmental Leaders in NM. Many materials will be translated into Spanish, due to the size of the Spanish-speaking populations. In addition, Spanish interpretation will be available on request. The Department does not anticipate translation into Navajo nor Navajo interpretation, but these services may be requested at any time. All written announcements will include a statement indicating that interpretation assistance will be available upon request. Throughout the outreach campaign, the Department intends to monitor the need for additional language services.

Factor 3 – The Nature and Importance of the Activity or Service Provided by the Program. (Moderately Important, Important, Very Important):

The RH SIPr is very important to the public, the Department, and industry. The Department is statutorily required to undertake this planning effort to protect visibility at federal Class I Areas. In addition, the Department will eventually consider rules and voluntary measures that may affect both the public and industry. Improving visibility at Class I Areas is important for the New Mexico economy and visitors to those areas. Importantly, strategies to improve visibility will also help protect the health and welfare of the citizens of New Mexico by reducing harmful pollutants and is the mission of the AQB.

Factor 4 – Resources Available to NMED and Associated Costs:

The Department has an in-house translator to assist Spanish speakers. In the event the in-house translation services are not available, the AQB has sufficient funds for the translation of material into Spanish and to provide Spanish interpretation services at meetings. The following are the anticipated costs for various portions of the proceedings:

- Costs associated with translation: $1000;
- Costs associated with providing a language interpreter: $1000-3000, depending on the number and length of the proceeding(s) and the language assistance requested;
- Costs for a court reporter: $2000.

Conclusion: Based on the demographics outlined above, the history of public involvement for related projects, and projected impacts to potentially affected communities, additional language services will be provided. Fact sheets and public notices will be translated and available in Spanish. Spanish interpretation services and Navajo interpretation services for meetings, hearings or other procedures will be available upon request. All public notices will include information on how to request additional materials in another language or how to request other communication assistance through NMED.

Additional information on how the public will be invited to participate in this project can be found in the PIP.

The LEP Services Evaluation has been reviewed and approved by the Air Quality Bureau Chief.

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Liz Bisbey-Kuehn
Bureau Chief
Air Quality Bureau

Date approved

EJSCREEN ACS Summary Report

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

Summary of ACS Estimates	2014 - 2018
Population	2,092,434
Population Density (per sq. mile)	17
People of Color Population	1,304,126
% People of Color Population	62%
Households	775,651
Housing Units	932,818
Housing Units Built Before 1950	79,960
Per Capita Income	26,085
Land Area (sq. miles) (Source: SF1)	121,311.88
% Land Area	100%
Water Area (sq. miles) (Source: SF1)	281.38
% Water Area	0%

	2014 - 2018 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	2,092,434	100%	0
Population Reporting One Race	2,024,926	97%	14,599
White	1,558,886	75%	5,209
Black	43,006	2%	1,312
American Indian	199,896	10%	1,672
Asian	31,513	2%	1,132
Pacific Islander	1,514	0%	339
Some Other Race	190,111	9%	4,935
Population Reporting Two or More Races	67,508	3%	2,907
Total Hispanic Population	1,015,751	49%	0
Total Non-Hispanic Population	1,076,683		
White Alone	788,308	38%	639
Black Alone	38,016	2%	1,067
American Indian Alone	183,408	9%	1,162
Non-Hispanic Asian Alone	29,571	1%	1,019
Pacific Islander Alone	1,046	0%	227
Other Race Alone	4,056	0%	640
Two or More Races Alone	32,278	2%	1,896
Population by Sex			
Male	1,035,850	50%	702
Female	1,056,584	50%	702
Population by Age			
Age 0-4	128,357	6%	491
Age 0-17	494,164	24%	3,035
Age 18+	1,598,270	76%	5,814
Age 65+	341,515	16%	3,335

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) 2014 - 2018 .

EJSCREEN ACS Summary Report

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

	2014 - 2018 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	1,394,280	100%	951
Less than 9th Grade	86,723	6%	2,279
9th - 12th Grade, No Diploma	118,835	9%	2,607
High School Graduate	368,487	26%	4,109
Some College, No Degree	442,039	32%	5,070
Associate Degree	114,664	8%	2,546
Bachelor's Degree or more	378,196	27%	4,084
Population Age 5+ Years by Ability to Speak English			
Total	1,964,077	100%	369
Speak only English	1,281,412	65%	6,065
Non-English at Home[1+2+3+4]	682,665	35%	5,964
[1]Speak English "very well"	507,139	26%	5,531
[2]Speak English "well"	89,285	5%	2,638
[3]Speak English "not well"	56,740	3%	1,981
[4]Speak English "not at all"	29,501	2%	1,600
[3+4]Speak English "less than well"	86,241	4%	2,547
[2+3+4]Speak English "less than very well"	175,526	9%	3,667
Linguistically Isolated Households*			
Total	41,207	100%	1,262
Speak Spanish	34,144	83%	1,167
Speak Other Indo-European Languages	1,204	3%	215
Speak Asian-Pacific Island Languages	1,523	4%	270
Speak Other Languages	4,336	11%	333
Households by Household Income			
Household Income Base	775,651	100%	3,254
< $15,000	118,026	15%	2,278
$15,000 - $25,000	92,760	12%	2,330
$25,000 - $50,000	189,804	24%	3,033
$50,000 - $75,000	134,481	17%	2,540
$75,000 +	240,580	31%	3,176
Occupied Housing Units by Tenure			
Total	775,651	100%	3,254
Owner Occupied	524,242	68%	3,787
Renter Occupied	251,409	32%	2,841
Employed Population Age 16+ Years			
Total	1,655,769	100%	1,051
In Labor Force	960,566	58%	4,009
Civilian Unemployed in Labor Force	68,370	4%	1,779
Not In Labor Force	695,203	42%	4,033

Data Note: Datail may not sum to totals due to rounding. Hispanic population can be of anyrace.
N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)
*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-miles radius
Description:

	2014 - 2018 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	1,964,077	100%	369
English	1,281,412	65%	7,132
Spanish	535,918	27%	6,337
French	5,020	0%	676
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	6,550	0%	723
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	8,578	0%	859
Chinese	5,067	0%	660
Japanese	N/A	N/A	N/A
Korean	1,774	0%	441
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	3,929	0%	863
Other Asian	4,713	0%	628
Tagalog	3,830	0%	544
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	3,871	0%	1,187
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	100,984	5%	1,936
Total Non-English	682,665	35%	7,142

Data Note: Detail may not sum to totals due to rounding. Hispanic popultion can be of any race.
N/A meansnot available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2014 - 2018.
*Population by Language Spoken at Home is available at the census tract summary level and up.

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EPA's Environmental Justice Screening and Mapping Tool (Version 2020)

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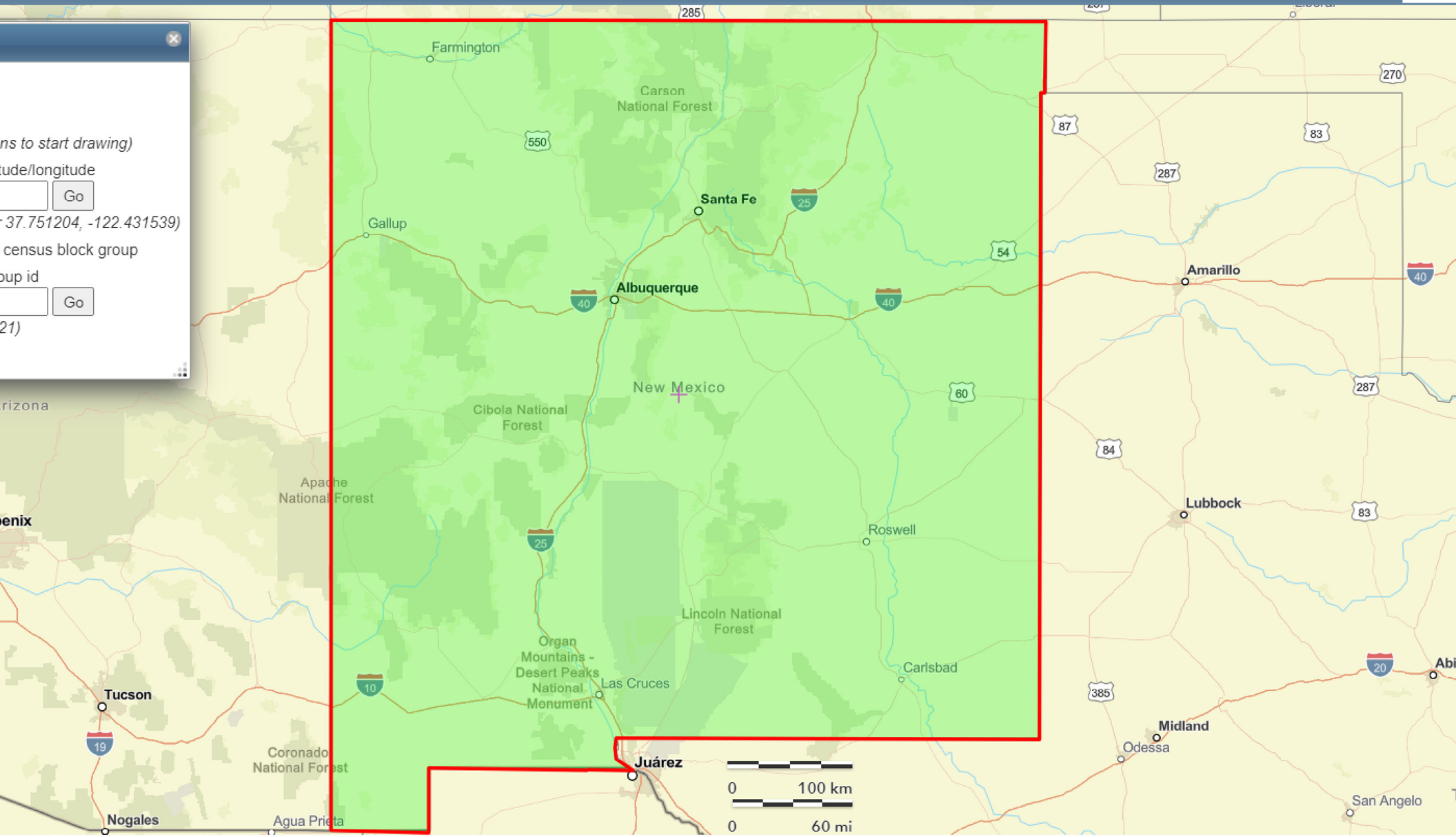

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EJSCREEN ACS Summary Report

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

Summary of ACS Estimates	2014 - 2018
Population	321,243,704
Population Density (per sq. mile)	94
People of Color Population	124,523,562
% People of Color Population	39%
Households	119,165,165
Housing Units	135,719,662
Housing Units Built Before 1950	24,171,869
Per Capita Income	32,322
Land Area (sq. miles) (Source: SF1)	3,423,710.53
% Land Area	93%
Water Area (sq. miles) (Source: SF1)	241,602.30
% Water Area	7%

	2014 - 2018 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	321,243,704	100%	0
Population Reporting One Race	311,160,667	97%	86,089
White	234,388,649	73%	26,419
Black	40,863,706	13%	8,045
American Indian	2,685,978	1%	5,495
Asian	17,021,520	5%	8,962
Pacific Islander	438,512	0%	2,473
Some Other Race	15,762,302	5%	34,695
Population Reporting Two or More Races	10,083,037	3%	23,736
Total Hispanic Population	57,339,528	18%	722
Total Non-Hispanic Population	263,904,175		
White Alone	196,720,142	61%	3,346
Black Alone	39,667,043	12%	6,255
American Indian Alone	2,124,031	1%	2,841
Non-Hispanic Asian Alone	16,828,432	5%	8,702
Pacific Islander Alone	391,633	0%	2,227
Other Race Alone	752,072	0%	4,281
Two or More Races Alone	7,420,823	2%	13,507
Population by Sex			
Male	158,152,416	49%	1,886
Female	163,091,288	51%	1,886
Population by Age			
Age 0-4	19,731,533	6%	1,453
Age 0-17	73,193,464	23%	11,278
Age 18+	248,050,239	77%	22,172
Age 65+	48,958,503	15%	12,307

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) 2014 - 2018 .

EJSCREEN ACS Summary Report

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

	2014 - 2018 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	217,296,758	100%	2,079
Less than 9th Grade	11,476,821	5%	13,953
9th - 12th Grade, No Diploma	15,373,015	7%	11,161
High School Graduate	58,948,310	27%	19,789
Some College, No Degree	63,005,179	29%	23,786
Associate Degree	18,218,841	8%	10,309
Bachelor's Degree or more	68,493,432	32%	22,378
Population Age 5+ Years by Ability to Speak English			
Total	301,512,171	100%	927
Speak only English	236,800,137	79%	36,455
Non-English at Home[1+2+3+4]	64,712,033	21%	31,033
[1]Speak English "very well"	39,245,334	13%	24,388
[2]Speak English "well"	12,217,341	4%	13,417
[3]Speak English "not well"	9,112,665	3%	12,927
[4]Speak English "not at all"	4,136,693	1%	11,481
[3+4]Speak English "less than well"	13,249,358	4%	17,290
[2+3+4]Speak English "less than very well"	25,466,699	8%	21,885
Linguistically Isolated Households*			
Total	5,289,902	100%	7,902
Speak Spanish	3,194,203	60%	6,184
Speak Other Indo-European Languages	799,495	15%	2,603
Speak Asian-Pacific Island Languages	1,067,283	20%	4,027
Speak Other Languages	228,921	4%	1,272
Households by Household Income			
Household Income Base	119,165,165	100%	23,468
< $15,000	13,042,035	11%	7,842
$15,000 - $25,000	11,109,451	9%	7,248
$25,000 - $50,000	26,143,947	22%	11,732
$50,000 - $75,000	20,816,037	17%	10,104
$75,000 +	48,053,695	40%	18,815
Occupied Housing Units by Tenure			
Total	119,165,165	100%	23,468
Owner Occupied	76,113,173	64%	38,161
Renter Occupied	43,051,993	36%	21,418
Employed Population Age 16+ Years			
Total	256,417,425	100%	3,908
In Labor Force	162,404,432	63%	23,255
Civilian Unemployed in Labor Force	9,468,483	4%	10,823
Not In Labor Force	94,012,993	37%	23,795

Data Note: Datail may not sum to totals due to rounding. Hispanic population can be of anyrace.
N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)
*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-miles radius
Description:

	2014 - 2018 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	301,512,171	100%	927
English	236,800,137	79%	50,097
Spanish	40,206,287	13%	34,494
French	2,035,676	1%	9,712
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	1,401,804	0%	3,706
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	5,544,064	2%	12,721
Chinese	3,309,529	1%	8,973
Japanese	N/A	N/A	N/A
Korean	1,073,866	0%	6,204
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	1,478,693	0%	8,177
Other Asian	2,746,990	1%	7,982
Tagalog	1,655,331	1%	8,324
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	1,170,742	0%	5,225
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	2,083,799	1%	5,961
Total Non-English	64,712,033	21%	50,100

Data Note: Detail may not sum to totals due to rounding. Hispanic popultion can be of any race.
N/A meansnot available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2014 - 2018.
*Population by Language Spoken at Home is available at the census tract summary level and up.

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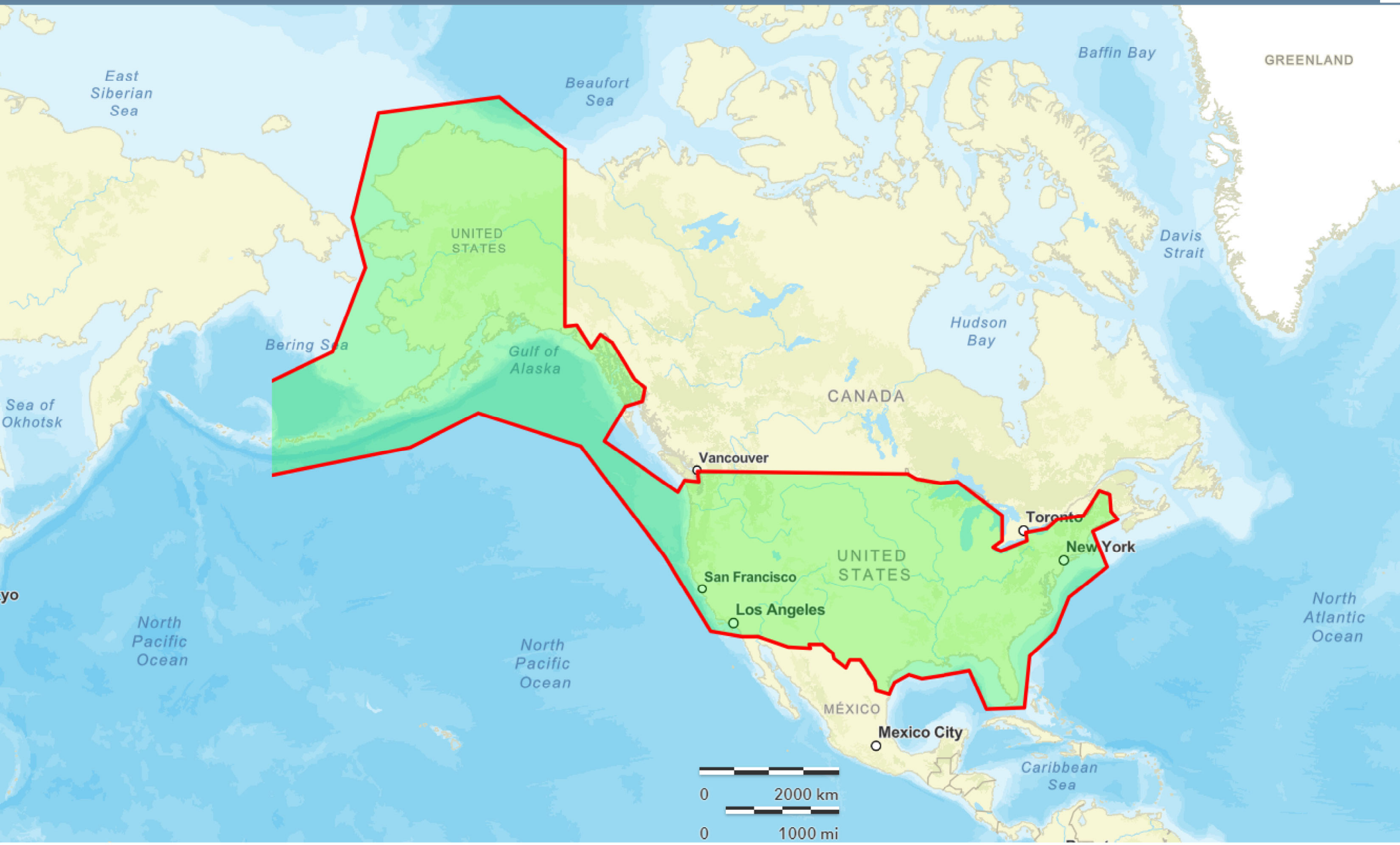
A's Environmental Justice Screening and Mapping Tool (Version 2020) EJSC

Select Location Add Maps Clear Selected Locations Print Measure Save Session Basemap



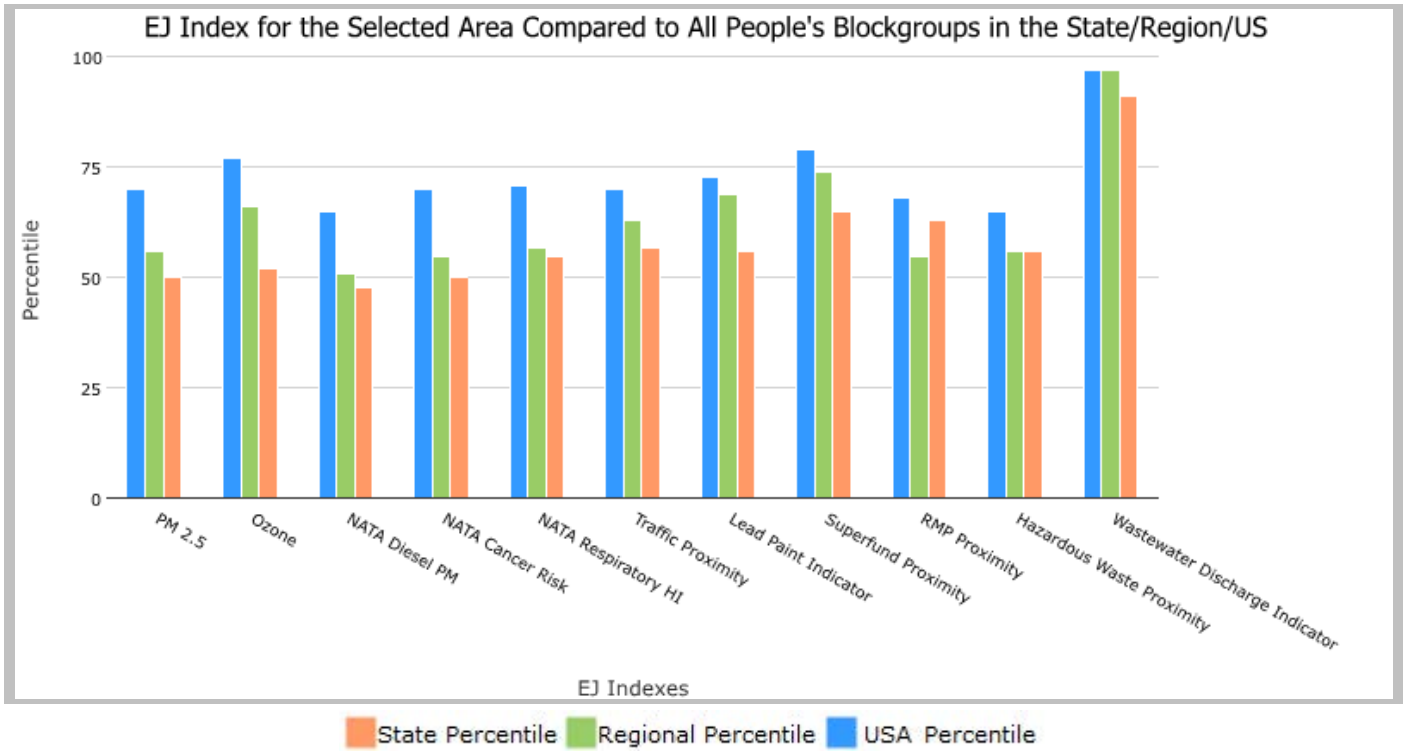
EJSCREEN Report (Version 2020)

County: San Juan, NEW MEXICO, EPA Region 6

Approximate Population: 127,455

Input Area (sq. miles): 5538.40

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	50	56	70
EJ Index for Ozone	52	66	77
EJ Index for NATA* Diesel PM	48	51	65
EJ Index for NATA* Air Toxics Cancer Risk	50	55	70
EJ Index for NATA* Respiratory Hazard Index	55	57	71
EJ Index for Traffic Proximity and Volume	57	63	70
EJ Index for Lead Paint Indicator	56	69	73
EJ Index for Superfund Proximity	65	74	79
EJ Index for RMP Proximity	63	55	68
EJ Index for Hazardous Waste Proximity	56	56	65
EJ Index for Wastewater Discharge Indicator	91	97	97



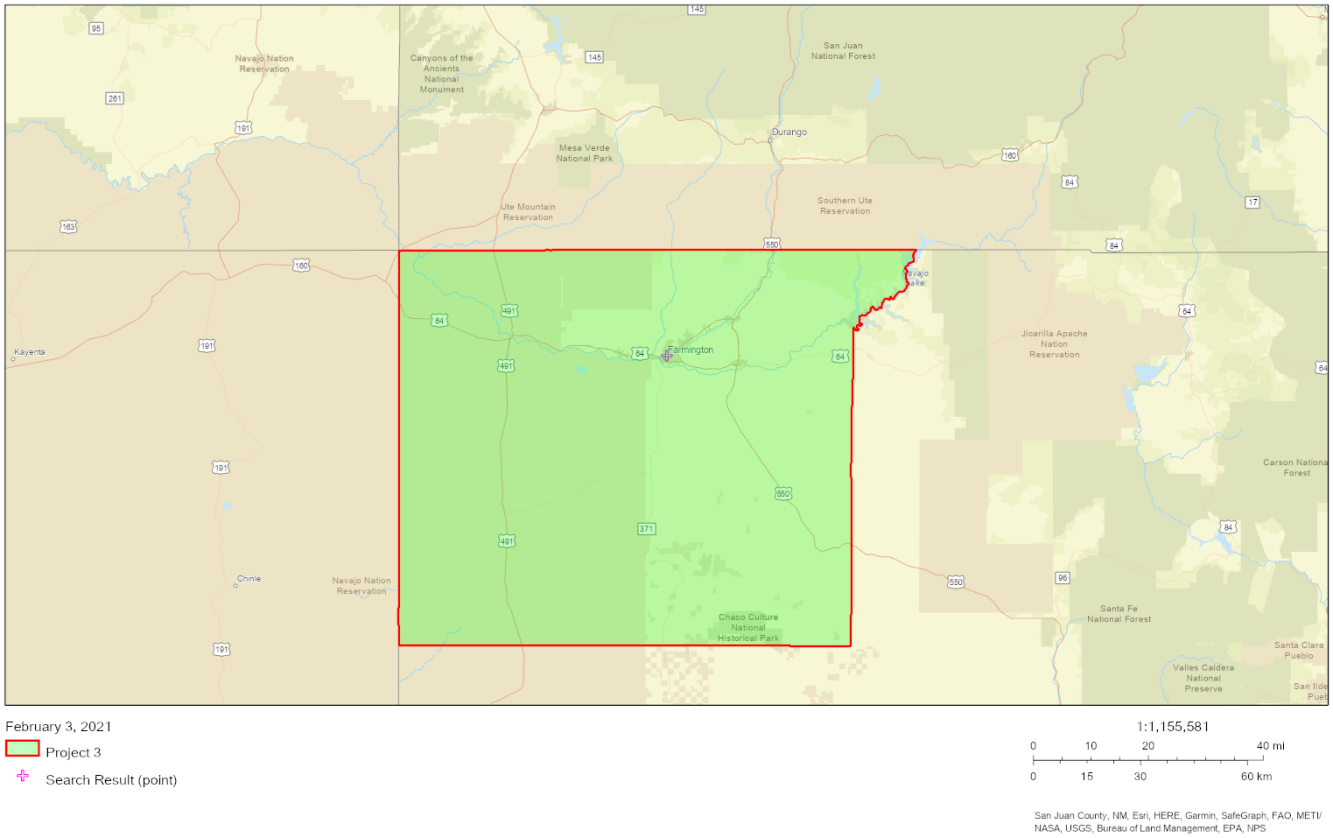
This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

EJSCREEN Report (Version 2020)

County: San Juan, NEW MEXICO, EPA Region 6

Approximate Population: 127,455

Input Area (sq. miles): 5538.40



Sites reporting to EPA	
Superfund NPL	1
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	4

EJSCREEN Report (Version 2020)

County: San Juan, NEW MEXICO, EPA Region 6

Approximate Population: 127,455

Input Area (sq. miles): 5538.40

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m^3)	6.06	6.17	38	8.95	2	8.55	4
Ozone (ppb)	52.7	52.2	51	41.8	97	42.9	91
NATA* Diesel PM (µg/m^3)	0.134	0.281	38	0.401	<50th	0.478	<50th
NATA* Cancer Risk (lifetime risk per million)	23	25	46	36	<50th	32	<50th
NATA* Respiratory Hazard Index	0.37	0.32	68	0.45	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	170	360	51	400	53	750	45
Lead Paint Indicator (% Pre-1960 Housing)	0.13	0.18	57	0.17	63	0.28	43
Superfund Proximity (site count/km distance)	0.096	0.13	65	0.081	77	0.13	65
RMP Proximity (facility count/km distance)	0.19	0.24	70	0.82	32	0.74	36
Hazardous Waste Proximity (facility count/km distance)	0.24	0.78	50	0.99	40	5	28
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.52	150	87	9.5	96	9.4	93
Demographic Indicators							
Demographic Index	52%	52%	52	44%	64	36%	76
People of Color Population	61%	62%	47	52%	61	39%	73
Low Income Population	43%	42%	54	37%	63	33%	72
Linguistically Isolated Population	4%	5%	56	6%	59	4%	68
Population With Less Than High School Education	16%	15%	59	16%	59	13%	71
Population Under 5 years of age	7%	6%	63	7%	55	6%	64
Population over 64 years of age	14%	16%	46	13%	59	15%	49

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

3/24/2021 Addendum/Errata to Regional Haze PIP and LEP

"The results of the EJSCREEN ACS Summary Reports indicate that a significantly larger percentage of population (62.3%) in New Mexico are a minority compared with the minority population (~~28.9%~~ 38.9%) of the United States."

The change does not affect the overall outreach plan.