

**Applicant: Southeastern Asphalt
Proposed Location: East Flat Rock, Henderson County, North Carolina**

	Annual Miles Driven ¹	MPG ¹	Fuel Rate (gal/mile)	Annual Fuel (gal/year)
cars	12500	21.5	0.0465	581
pickups / SUVs	14000	17.2	0.0581	814

¹ according to EPA publications

	Emission Rate (gram/mile)			Annual Emission Rate (lb/yr)		
	NMOG	CO	NOX	NMOG	CO	NOX
cars	0.09	4.2	0.3	2.5	115.7	8.3
pickups / SUVs	3.51	27.7	1.81	108.3	855.0	55.9

all under 3750 lbs

All vehicles assumed to be new Low-Emission Vehicles

HMA Production Rate (tons):	200	Hourly	100000	Annual
HMA Plant Fuel Type:	Fuel Oil	Average Mix Temp (F):	325	

Compound ²	Drum (tpy)	Silo Filling (tpy)	Load-Out Operations (tpy)	Vehicle Equivalents ³	
				Total HMA Emissions (tpy)	Pickups / SUVs Only
Hydrocarbons	1.60	0.6	0.21	2.42	45
CO	6.50	0.06	0.07	6.63	16
NOX	2.75	Not Detected		2.75	98

² Emission rates based on EPA AP-42 factors

³ Qty of each vehicles required to generate annual emissions equivalent to the proposed HMA production facility.

	Households	Population	Vehicles ⁶	cars ⁶	trucks/SUVs ⁷
East Flat Rock ⁴	1647	4151	3294	2196	1098
Henderson Cnty ⁵	45180	106740	90360	60240	30120

⁴ Data taken from 2000 Census Bureau

⁵ Data taken from 2010 Census Bureau

⁶ Assume 2 vehicles per household

⁷ Assume that cars outnumber pickups/SUVs by 2:1 based on total number of vehicles

Compound	City Emissions (tpy)		Total Vehicle Emissions (tpy)		County Emissions (tpy)		Total Vehicle Emissions (tpy)		HMA % of Vehicle Emissions
	cars	pickups/SUVs	cars	pickups/SUVs	cars	pickups/SUVs	cars	pickups/SUVs	
Hydrocarbons	3	59	62	1632	75	1632	1706	1706	0.14
CO	127	469	596	12876	3486	12876	16362	16362	0.040
NOX	9	31	40	841	249	841	1090	1090	0.25

East Flat Rock, North Carolina

East Flat Rock is an unincorporated area and census-designated place (CDP) in Henderson County, North Carolina, United States. The population was 4,995 at the 2010 census,^[3] up from 4,151 at the 2000 census. It is part of the Asheville Metropolitan Statistical Area.

Geography

East Flat Rock is located in southeastern Henderson County at 35°17′4″N 82°25′8″W﻿ / ﻿35.284583, -82.419013﻿ / 35.284583; -82.419013.^[4] It is bordered to the west by the village of Flat Rock and to the northwest by unincorporated Barker Heights.

U.S. Route 176 (Spartanburg Highway) is the main road through East Flat Rock, leading northwest 3 miles (5 km) to Hendersonville, the county seat, and southeast 6 miles (10 km) to Saluda. Interstate 26 runs along the eastern edge of the community, with access from Exit 53 (Upward Road). I-26 leads north 27 miles (43 km) to Asheville and southeast 42 miles (68 km) to Spartanburg, South Carolina.

According to the United States Census Bureau, the East Flat Rock CDP has a total area of 4.3 square miles (11.1 km²), of which 0.01 square miles (0.03 km²), or 0.27%, are water.^[3]

Demographics

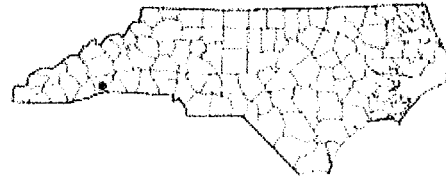
As of the census^[1] of 2000, there were 4,151 people, 1,647 households, and 1,133 families residing in the CDP. The population density was 1,279.1 people per square mile (493.1/km²). There were 1,823 housing units at an average density of 561.7 per square mile (216.6/km²). The racial makeup of the CDP was 85.69% White, 3.08% African American, 0.31% Native American, 0.29% Asian, 8.79% from other races, and 1.83% from two or more races. Hispanic or Latino of any race were 14.96% of the population.

There were 1,647 households, out of which 31.6% had children under the age of 18 living with them, 49.1% were married couples living together, 13.7% had a female householder with no husband present, and 31.2% were non-families. 26.0% of all households were made up of individuals, and 10.9% had someone living alone who was 65 years of age or older. The average household size was 2.49 and the average family size was 2.95.

In the CDP, the population was spread out, with 24.4% under the age of 18, 10.8% from 18 to 24, 30.6% from 25 to 44, 20.3% from 45 to 64, and 13.9% who were 65 years of age or older. The median age was 34 years. For every 100 females, there were 98.2 males. For every 100 females age 18 and over, there were 96.5 males.

East Flat Rock, North Carolina

Census-designated place



Location of East Flat Rock, North Carolina

Coordinates: 35°17′4″N 82°25′8″W﻿ / ﻿Coordinates: 35°17′4″N 82°25′8″W

Country	United States
State	North Carolina
County	Henderson

Area	
• Total	4.30 sq mi (11.14 km ²)
• Land	4.29 sq mi (11.11 km ²)
• Water	0.01 sq mi (0.03 km ²)

Elevation	2,201 ft (671 m)
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Population (2010)	
• Total	4,995
• Density	1,164/sq mi (449.5/km ²)

Time zone	UTC-5 (Eastern (EST))
• Summer (DST)	UTC-4 (EDT)

ZIP code	28726
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Area code(s)	828
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FIPS code	37-19420 ^[1]
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GNIS feature ID	0984496 ^[2]
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The median income for a household in the CDP was \$29,315, and the median income for a family was \$31,286. Males had a median income of \$22,500 versus \$19,907 for females. The per capita income for the CDP was \$13,723. About 14.0% of families and 20.6% of the population were below the poverty line, including 33.6% of those under age 18 and 15.4% of those age 65 or over.

References

1. "U.S. Census website" (<https://www.census.gov>). United States Census Bureau. Retrieved 2008-01-31.
 2. "US Board on Geographic Names" (<http://geonames.usgs.gov>). United States Geological Survey. 2007-10-25. Retrieved 2008-01-31.
 3. "Geographic Identifiers: 2010 Census Summary File 1 (G001): East Flat Rock CDP, North Carolina" (https://archive.today/20200213110345/https://factfinder.census.gov/bkmk/table/1.0/en/DEC/10_SF1/G001/1600000US3719420). *American Factfinder*. U.S. Census Bureau. Archived from the original (https://factfinder.census.gov/bkmk/table/1.0/en/DEC/10_SF1/G001/1600000US3719420) on February 13, 2020. Retrieved December 19, 2017.
 4. "US Gazetteer files: 2010, 2000, and 1990" (<https://www.census.gov/geographies/reference-files/time-series/geo/gazetteer-files.html>). United States Census Bureau. 2011-02-12. Retrieved 2011-04-23.
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