

Blue Ridge Environmental Defense League

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U.S. Census Data shows large minority population around proposed ACP compressor station in Buckingham County Larger - more precise - Survey Samples indicate higher minority population

The Missouri Census Data Center (MCDC), a partner with the U.S. Census Bureau, provides Circular Area Profiles (CAPS) using 2010 census data. Data output using the MCDC CAPS 2010 application contradicts EJScreen and ESRI minority population data provided by VA DEQ.

MCDC output demonstrates a much higher minority population surrounding the site of the proposed ACP compressor station.

Minority Population surrounding proposed ACP compressor station

EJ Screening	1-mile radius	2-mile radius
EJScreen	37.0%	38.0%
ESRI	29.3%	28.5%
MCDC CAPS 2010	60.1%	47.5%

Census and American Community Survey

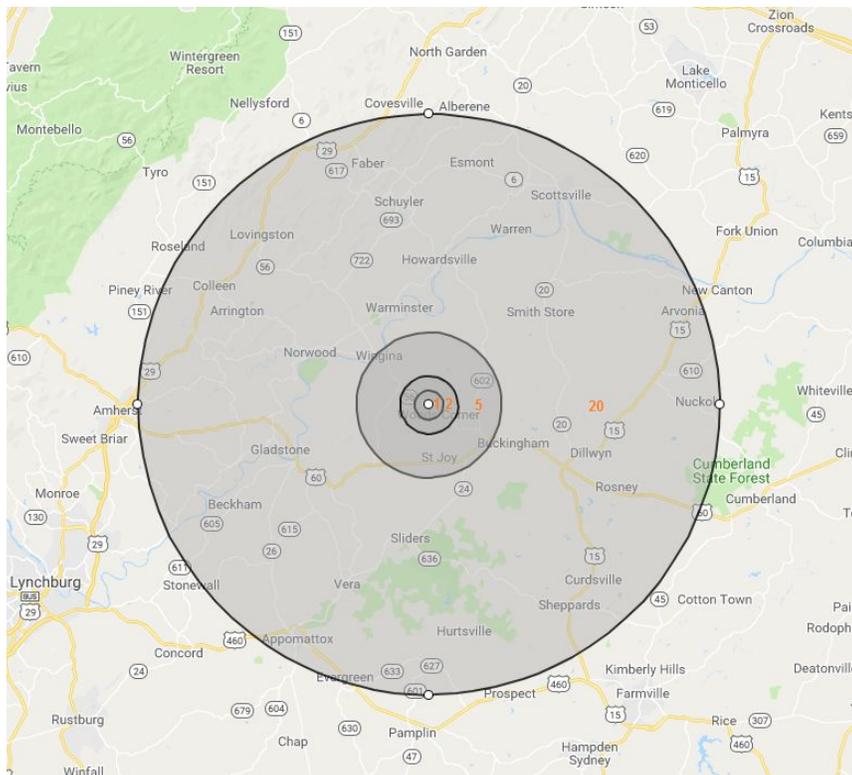
Census: The U.S. Census Bureau conducts a census every ten years to provide an official count of the entire U.S. population.
ACS: The American Community Survey is conducted every year and is sent to a small percentage of people on a rotating basis. As part of the ACS sample, you represent many other people. Algorithms are used to project demographic data.

Environmental Justice Screening

EJScreen: U.S. EPA screening tool using ACS algorithms and small samples to *project* demographic data and is particularly inaccurate in populations less than 20,000.

ESRI Data: ESRI used Census 2010 data then applies undisclosed geographic information system tools and algorithms to *project* demographic data.

MCDC CAPS 2010: Used Census 2010 census-tract-block data.



Minority Population decreases as you get further away from the site of the proposed compressor station.

The table below (compiled from MCDC CAPS 2010 Data) displays race demographics within various distances from the site of the proposed compressor station.

Radius	White	Minority (incl mult. race)	Minority (excl mult. race)
1 mile	40.0%	60.1%	54.8%
2 mile	52.6%	47.5%	44.2%
5 mile	63.5%	36.5%	34.4%
20 mile	71.1%	28.9%	27.1%

Check out the data for yourself

<http://mcdc.missouri.edu/applications/caps2010.html>

Enter coordinates of proposed site

Latitude: 37.588144 Longitude -78.658180

Enter 1 for 1-mile radius

Virginia DEQ put improper emphasis on EJScreen, a tool the EPA clearly states has a “substantial uncertainty in demographic and environmental data” and should be supplemented with additional analysis and local knowledge. Virginia DEQ failed to provide that review and ignored the local knowledge offered by many in the community.

The Virginia State Air Pollution Control Board should deny the air permit for the ACP compressor station proposed for Buckingham County because the site is unsuitable based on environmental injustice.

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