

Full Scope of Dominion's Pollution Risk to Neighbors Unknown

Low-income communities and communities of color disproportionately bear the pollution burden of fossil fuel infrastructure. Some communities in eastern Chesterfield County have been in the shadow of Dominion Energy's coal plant for nearly 80 years. Now Dominion is proposing a new massive 1000-megawatt gas plant right next door. This map illustrates the neighborhoods in a one-mile radius of the proposed plant (Dominion's preferred distance for its Phase 1 Environmental Justice Report) as well as a three-mile radius of the proposed plant. Studying a wider area better captures the areas of potential impacts given the distance that some of these pollutants can travel. Extremely small and problematic pollution called PM2.5 – particulate matter with a diameter of 2.5 micrometers or smaller – can easily travel farther than one mile. Inhaling PM2.5 has been shown to significantly impact older adults' and children's health. In Dominion's air permit application, the Company projects that plant operations would produce a net emissions increase of a number of pollutants, including PM2.5. A thorough community-specific health risk assessment should be completed prior to any permit decisions associated with this proposed new pollution source.

Legend

- Sites of Concern
- EPA NAAQS Air Monitor (locator map)
- Virginia Environmental Justice Community¹
- Community of Color
- Low Income Community
- Both
- Neither

¹= Block Groups meeting the criteria of the Virginia 2020 Environmental Justice Act (§ 2.2-234 through § 2.2-235).
Sources: VA DEQ; US Census Bureau; USGS; USDOT; World Imagery Basemap (VGIN, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, Maxar)

Created by Jovian Sackett, GISP (jsackett@selnc.org)
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