

Energy Costs Come First: A New Approach to Environmental Justice

ELAN SYKES

FLORIDA

In the scatter plots for each state, every panel reflects the relationship between Black population and energy burdens in one Congressional District in that state. Within each district's panel, one dot represents each census tract in that district. The slope of each panel's light blue line reflects the correlation between higher black population and higher energy burdens for that district, with its confidence interval shown in gray (so a wider gray shading represents a looser fit for that panel's blue line). Then, each Congressional District in the states included in PPI's report "Energy Costs Come First: a New Approach to Environmental Justice" is mapped such that the fill color of each census tract scales according to the energy burden as a percent of area median income or the proportion of Black households as share of the tract's population.

This appendix uses data from the Department of Energy's Low-income Energy Affordability Data (LEAD) tool collected through the Census Bureau. Importantly, these estimations are not causal and only reflect the statistical level of similarity between the two characteristics across the range of census tracts in each district. Additionally, the underlying data report values for energy burden calculated from area median income and average annual energy costs and so do not capture varying levels of energy burden within each tract or microdata like individual household burden. Even though this correlation does not allow for direct causal claims, the simplicity of this comparison provides significant insight when paired with the entire PPI report.

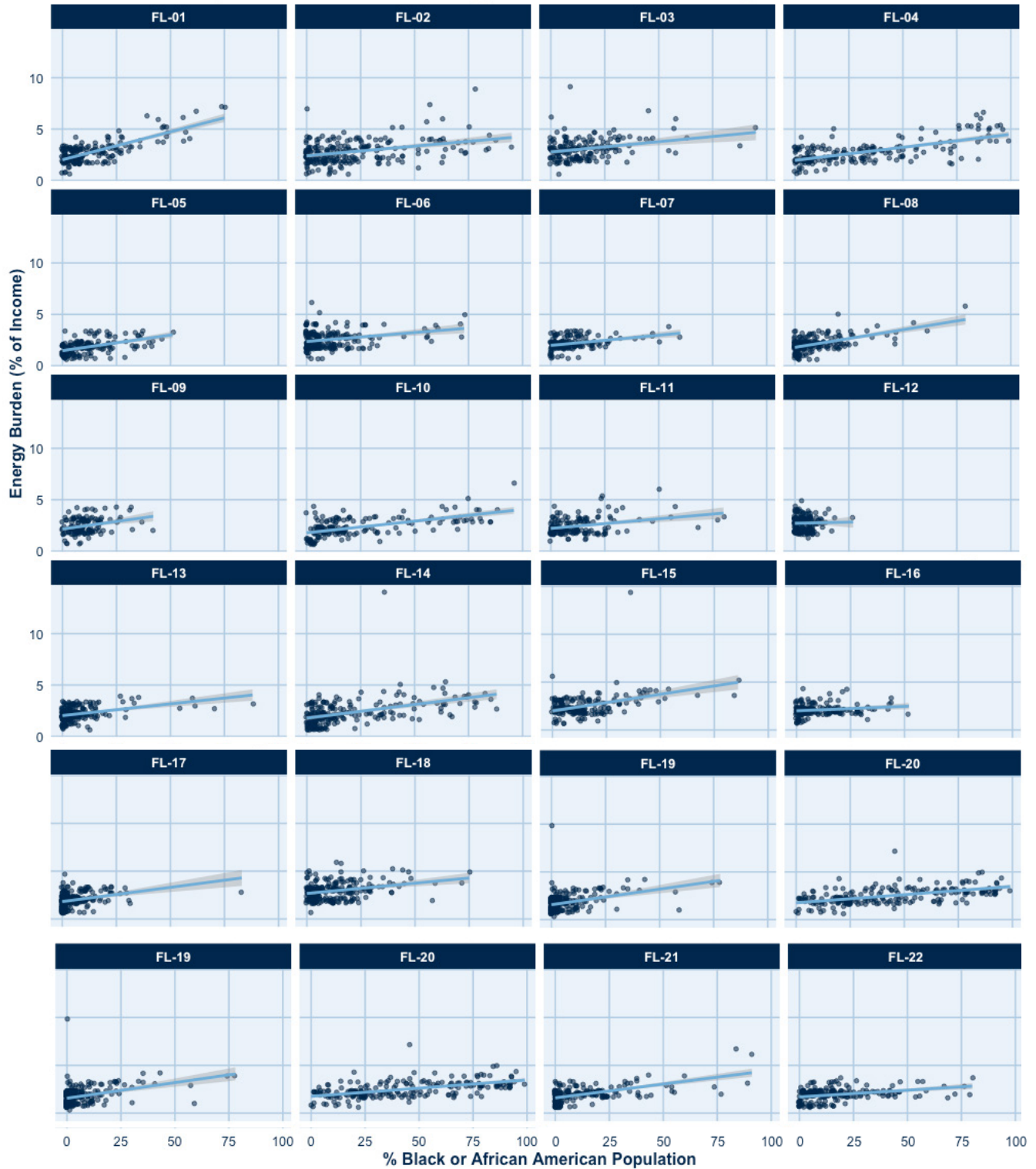


Read the full report at:

www.progressivepolicy.org/energy-costs-come-first/

FLORIDA

BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICTS





Source: DOE LEAD Data

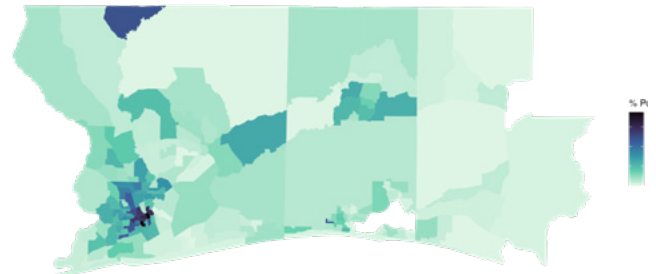
FLORIDA DISTRICT 01

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 01



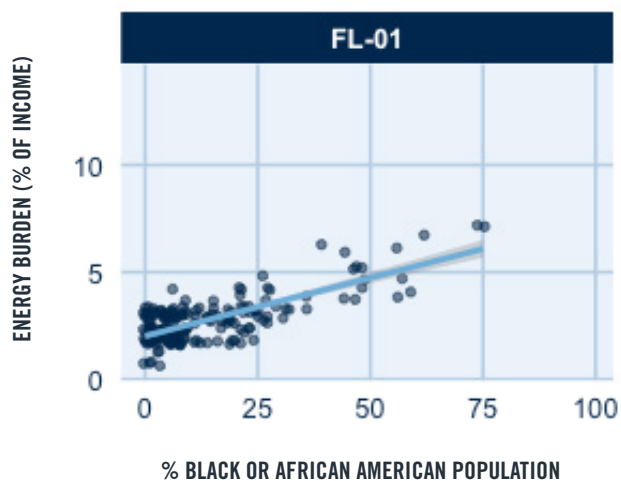
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 01



Source: Data from US Census via tigris and DOE LEAD Tool

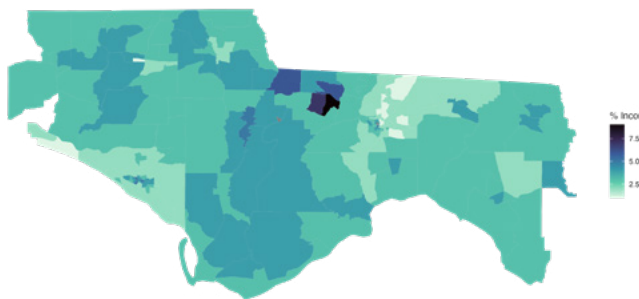
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 01



Source: DOE LEAD Data

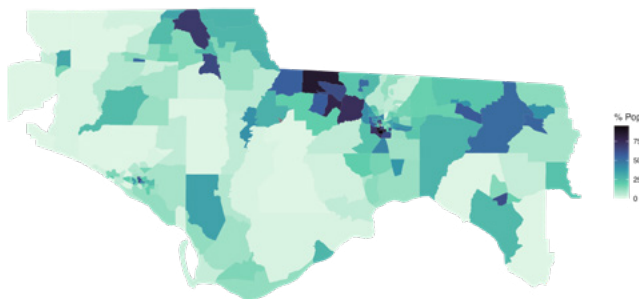
FLORIDA DISTRICT 02

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 02



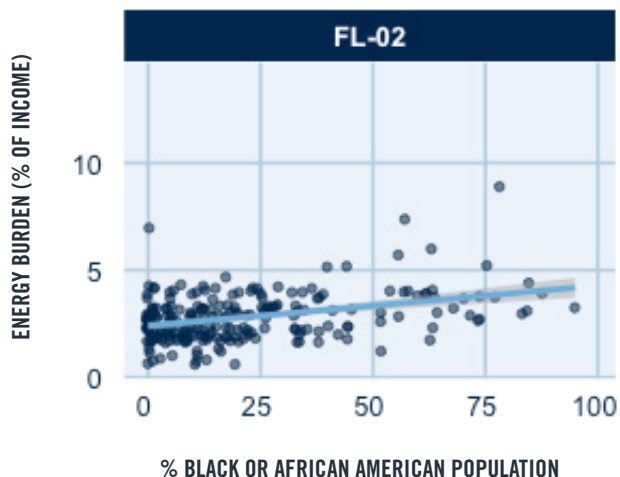
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 02



Source: Data from US Census via tigris and DOE LEAD Tool

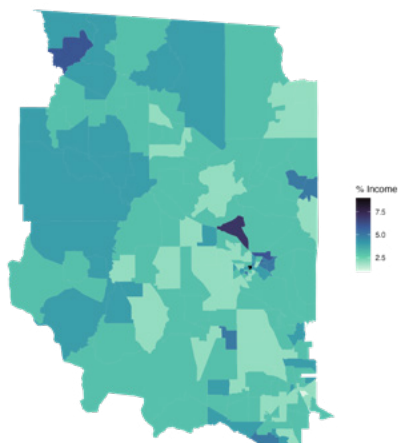
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 02



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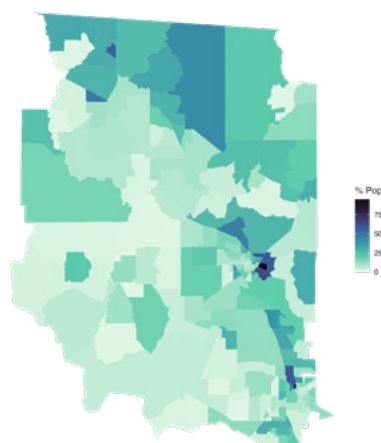
FLORIDA DISTRICT 03

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 03



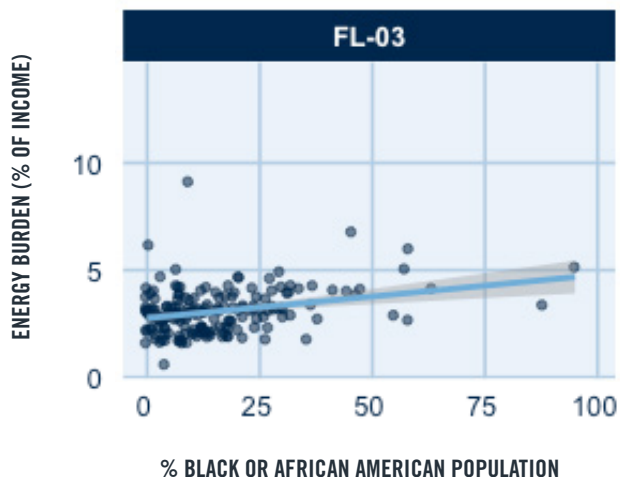
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 03



Source: Data from US Census via tigris and DOE LEAD Tool

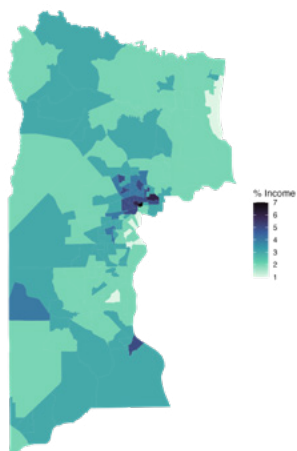
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 03



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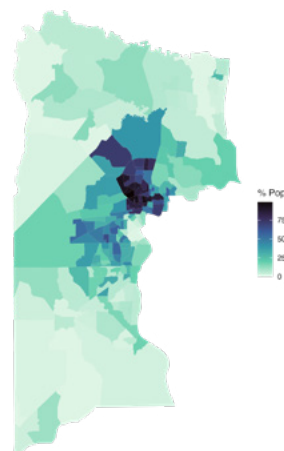
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ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 04



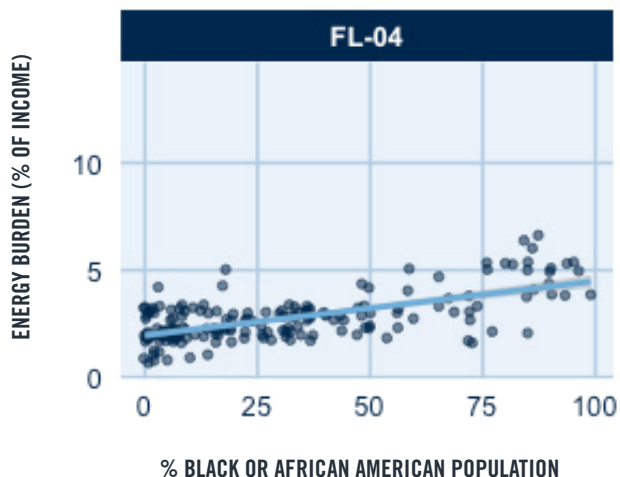
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 04



Source: Data from US Census via tigris and DOE LEAD Tool

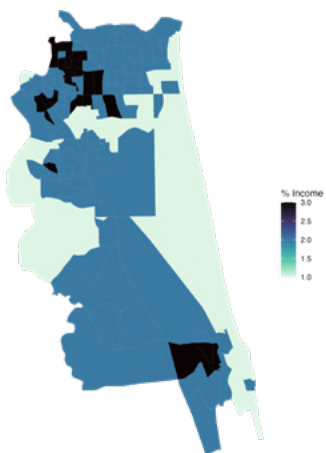
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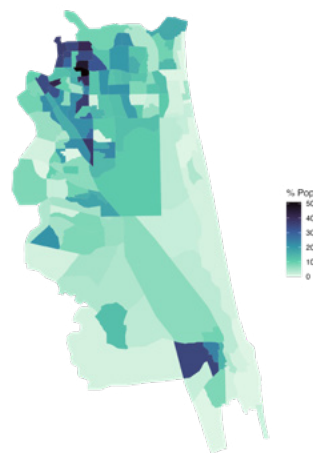
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ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 05



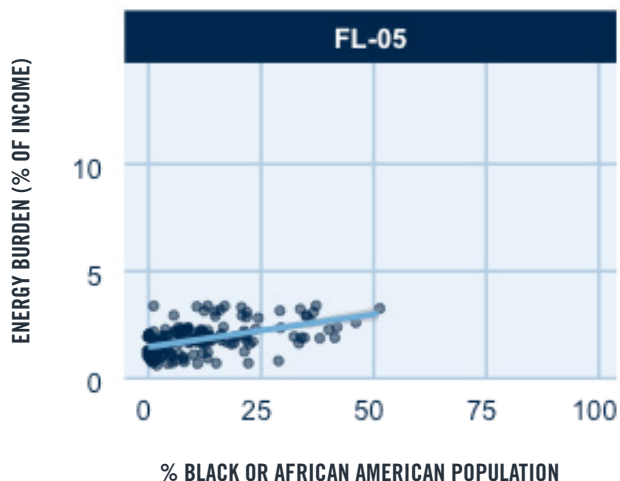
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 05



Source: Data from US Census via tigris and DOE LEAD Tool

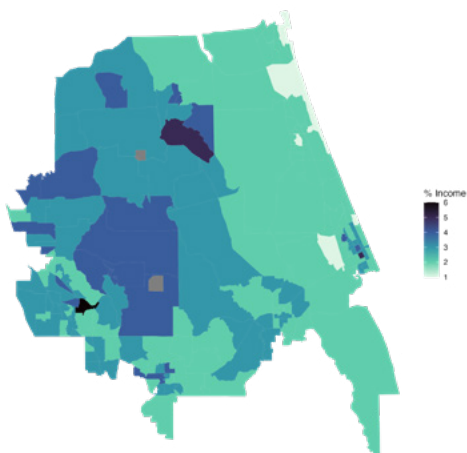
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 05



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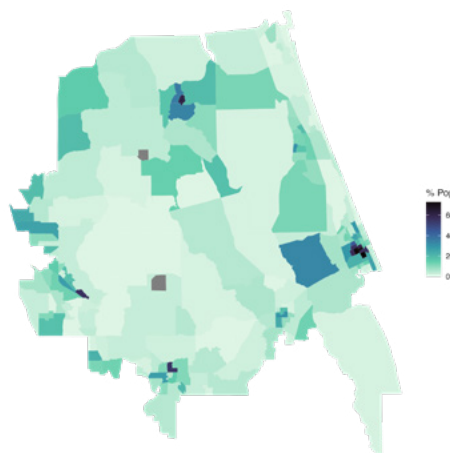
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ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 06



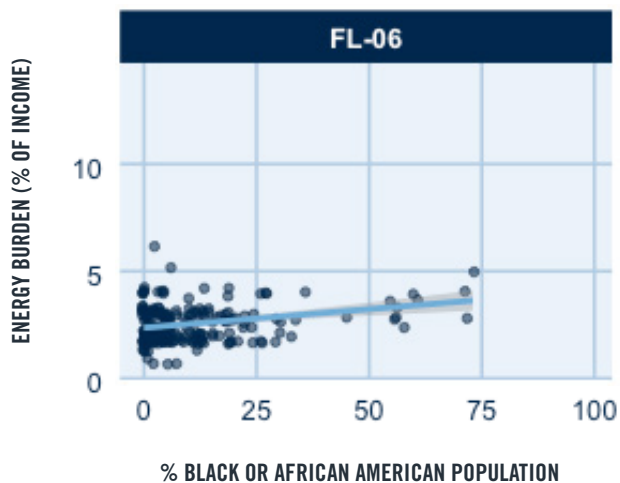
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 06



Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 06



Source: DOE LEAD Data

FLORIDA DISTRICT 07

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 07



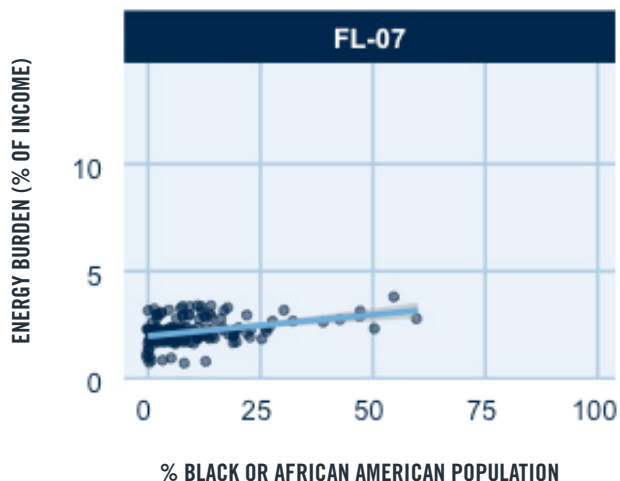
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 07



Source: Data from US Census via tigris and DOE LEAD Tool

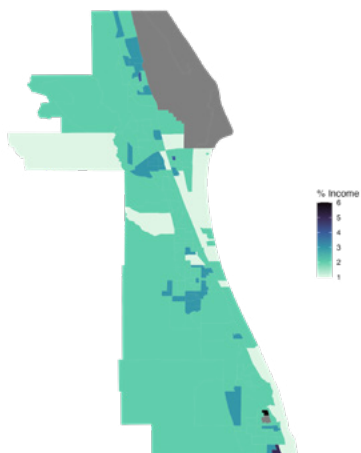
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 07



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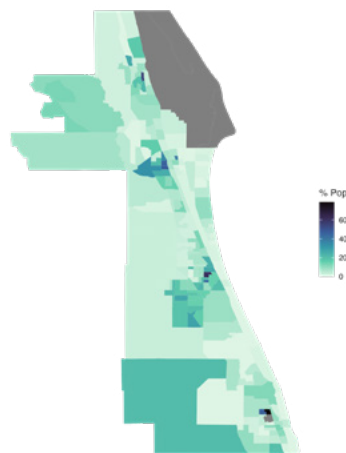
FLORIDA DISTRICT 08

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 08



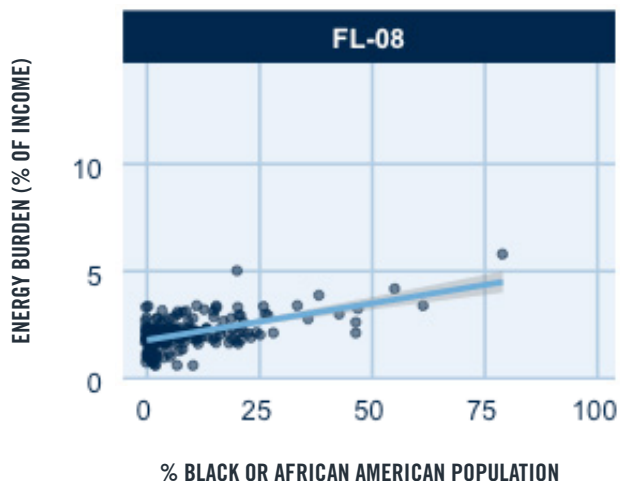
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 08



Source: Data from US Census via tigris and DOE LEAD Tool

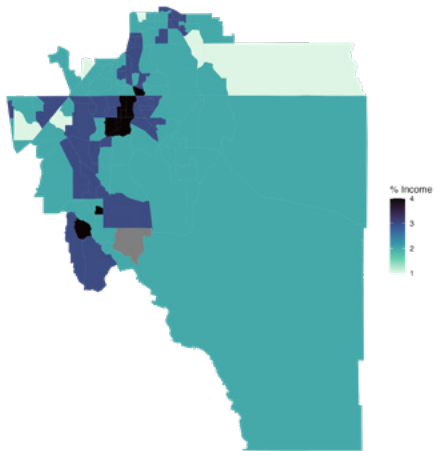
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 08



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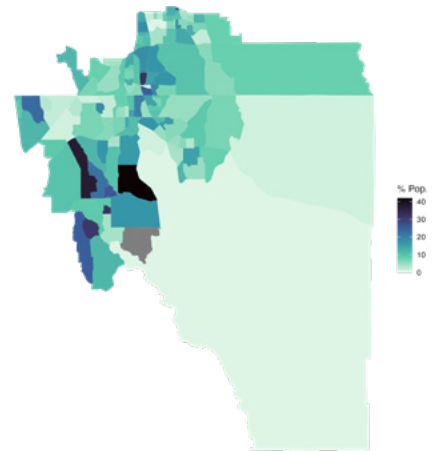
FLORIDA DISTRICT 09

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 09



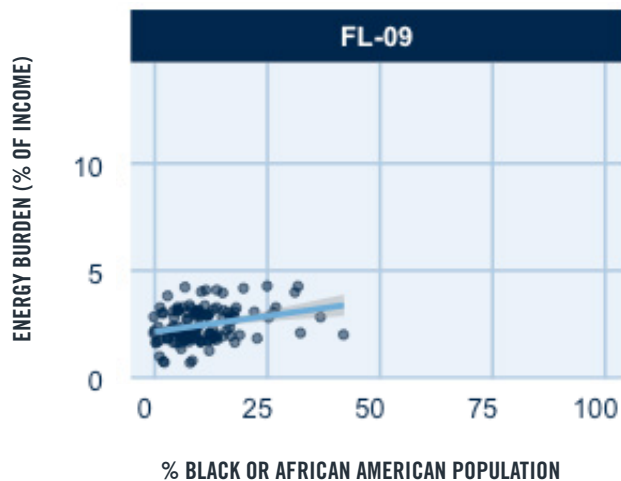
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 09



Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 09



Source: DOE LEAD Data

FLORIDA DISTRICT 10

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 10



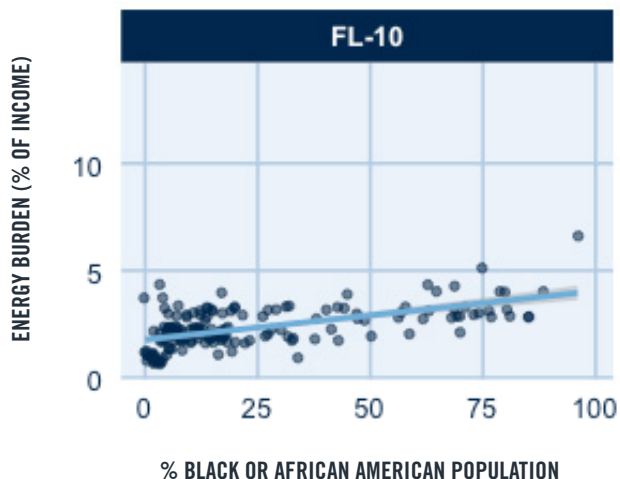
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BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 10



Source: Data from US Census via tigris and DOE LEAD Tool

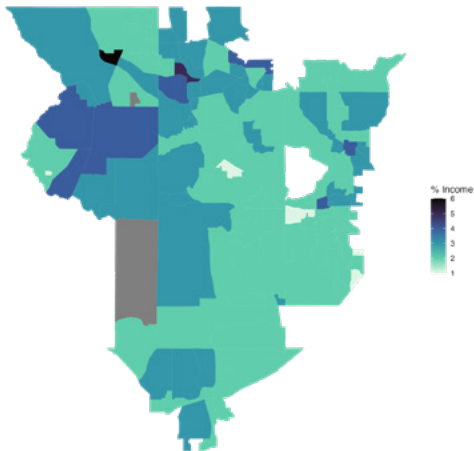
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 10



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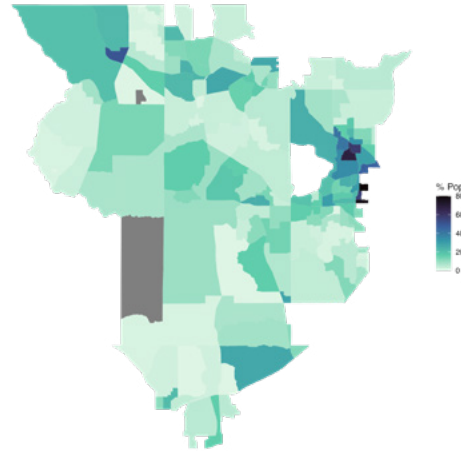
FLORIDA DISTRICT 11

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 11



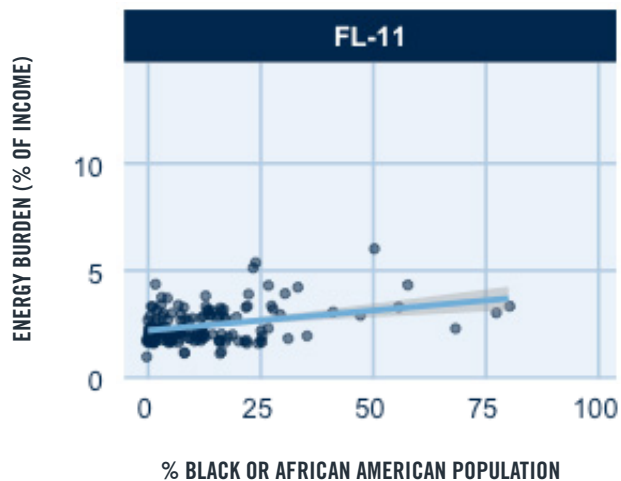
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 11



Source: Data from US Census via tigris and DOE LEAD Tool

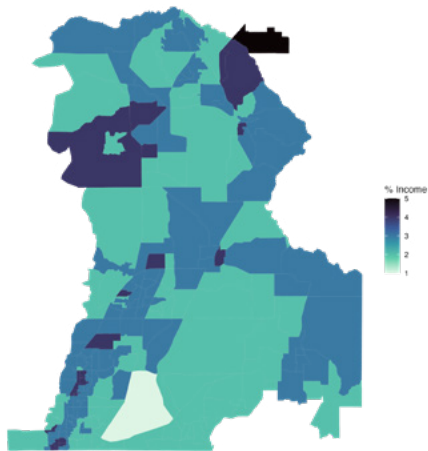
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 11



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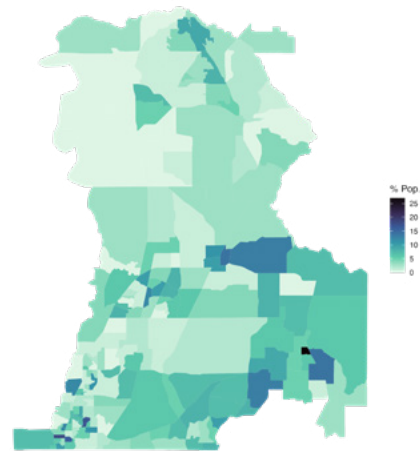
FLORIDA DISTRICT 12

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 12



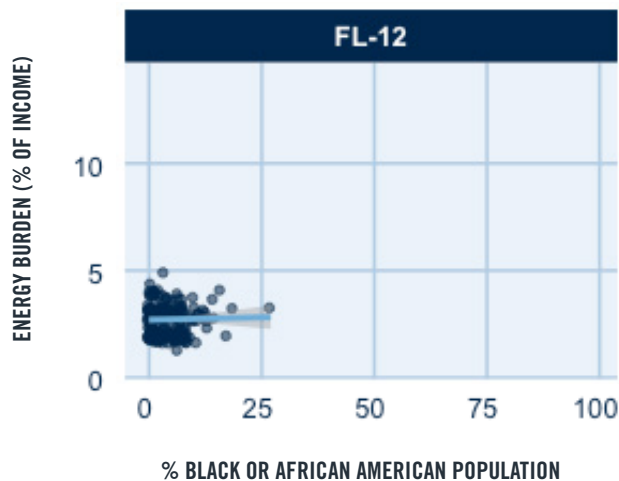
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 12



Source: Data from US Census via tigris and DOE LEAD Tool

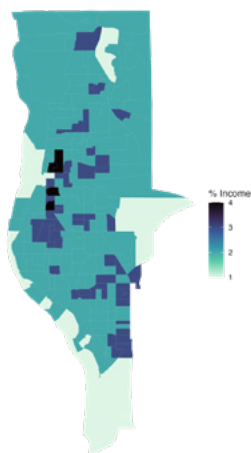
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 12



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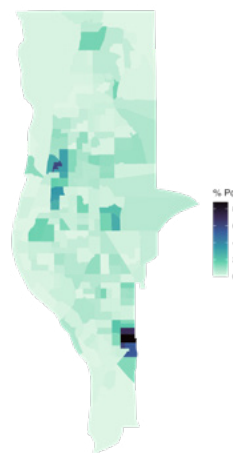
FLORIDA DISTRICT 13

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 13



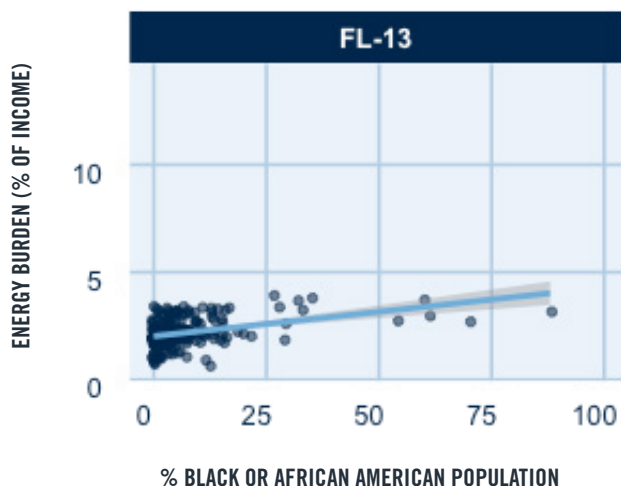
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 13



Source: Data from US Census via tigris and DOE LEAD Tool

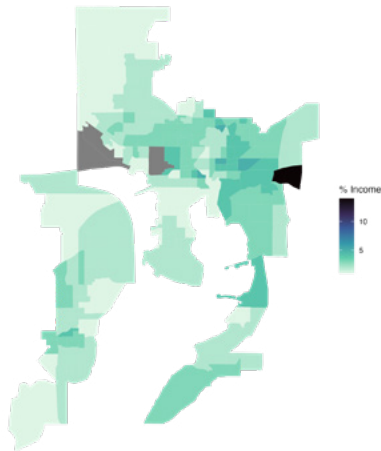
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 13



Source: DOE LEAD Data

FLORIDA DISTRICT 14

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 14



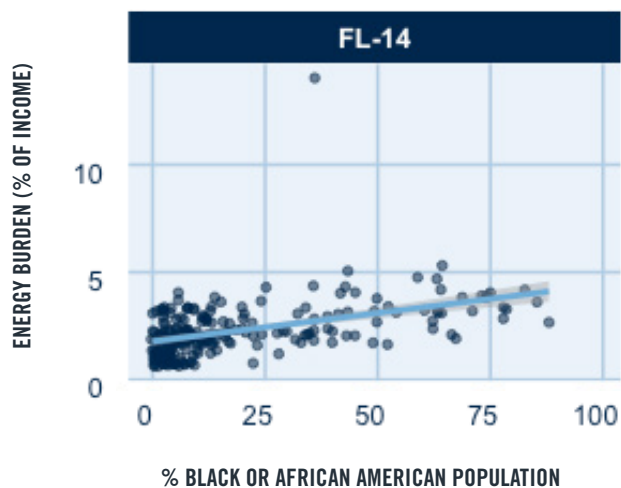
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 14



Source: Data from US Census via tigris and DOE LEAD Tool

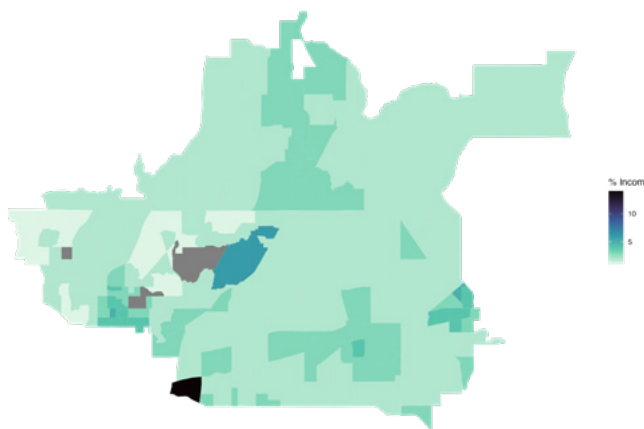
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 14



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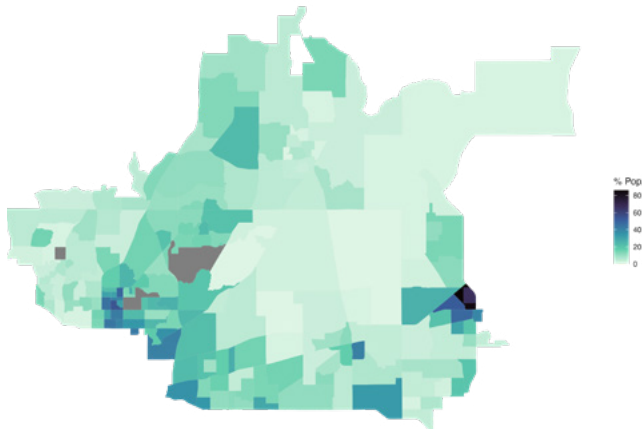
FLORIDA DISTRICT 15

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 15



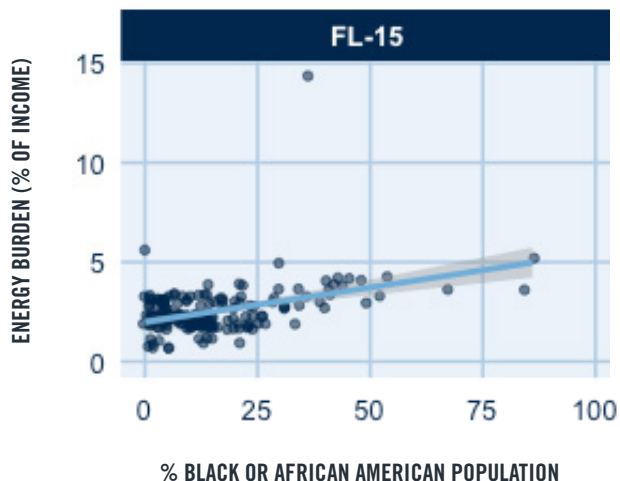
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 15



Source: Data from US Census via tigris and DOE LEAD Tool

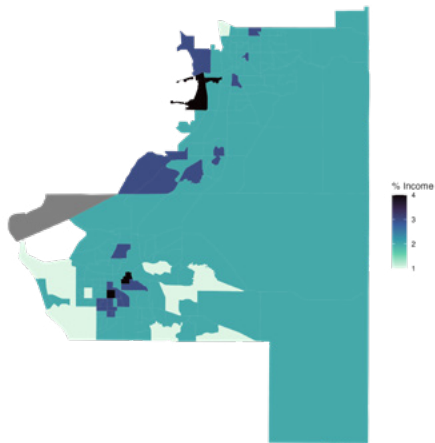
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 15



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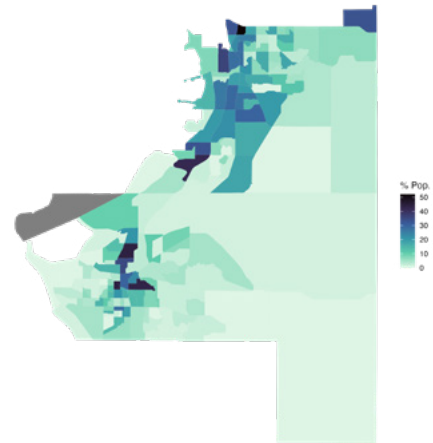
FLORIDA DISTRICT 16

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 16



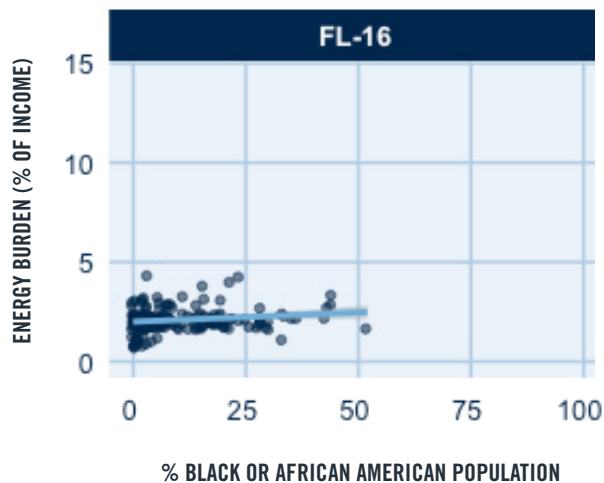
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 16



Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 16



Source: DOE LEAD Data

FLORIDA DISTRICT 17

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 17



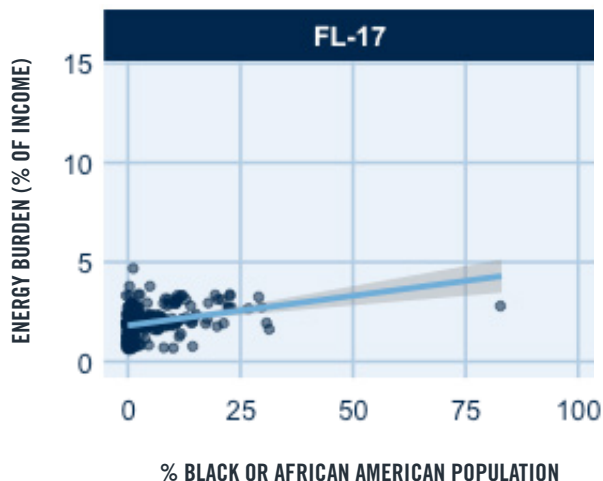
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 17



Source: Data from US Census via tigris and DOE LEAD Tool

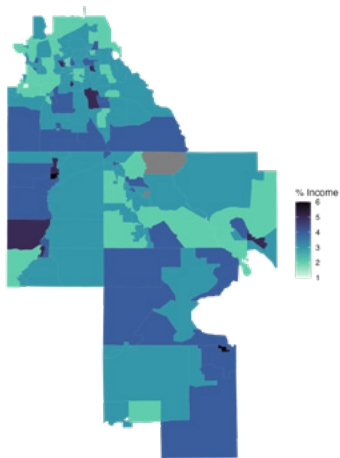
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 17



Source: DOE LEAD Data

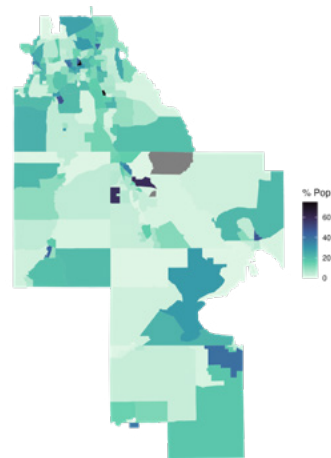
FLORIDA DISTRICT 18

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 18



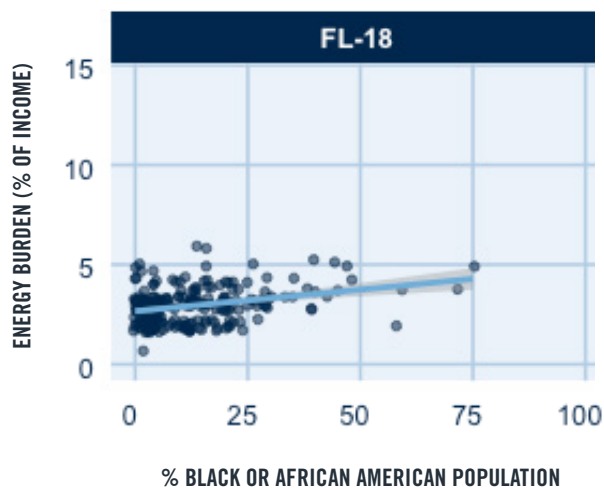
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 18



Source: Data from US Census via tigris and DOE LEAD Tool

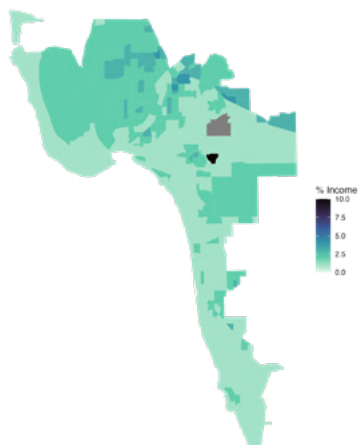
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 18



Source: DOE LEAD Data

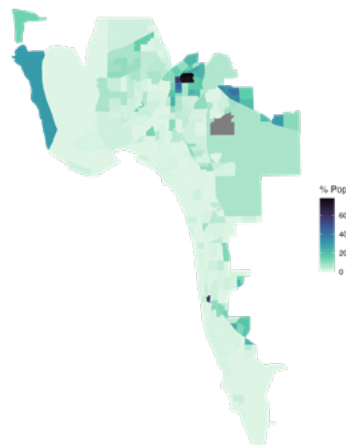
FLORIDA DISTRICT 19

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 19



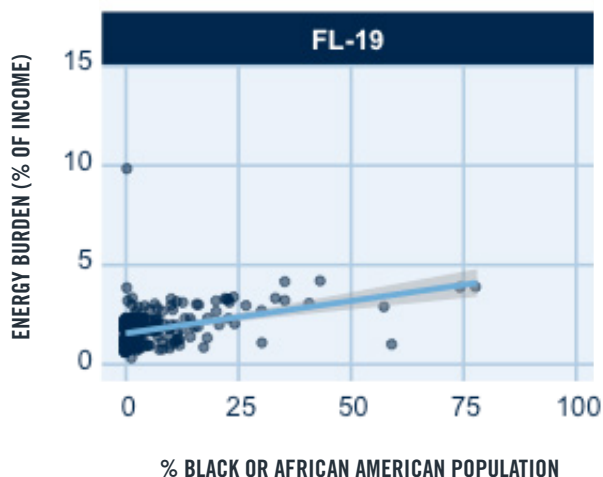
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 19



Source: Data from US Census via tigris and DOE LEAD Tool

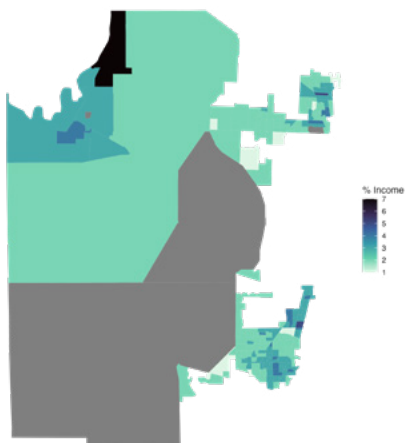
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 19



Source: DOE LEAD Data

FLORIDA DISTRICT 20

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 20



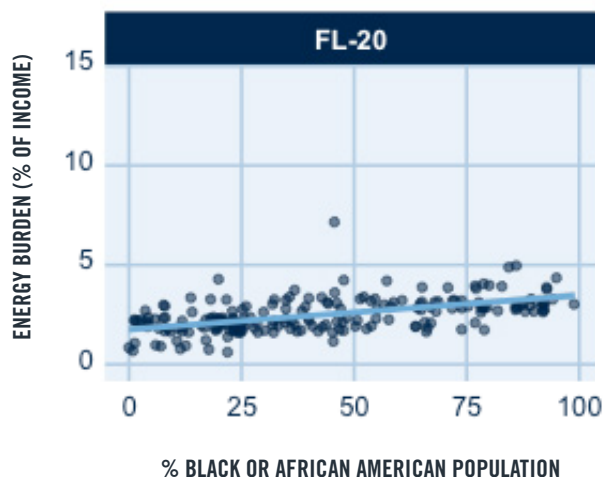
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 20



Source: Data from US Census via tigris and DOE LEAD Tool

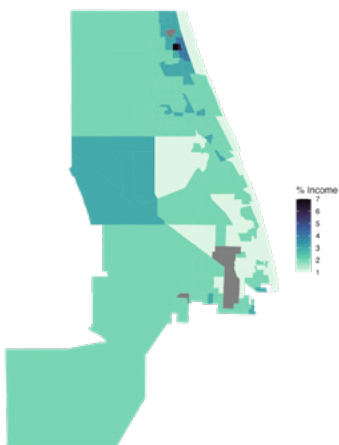
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 20



Source: DOE LEAD Data

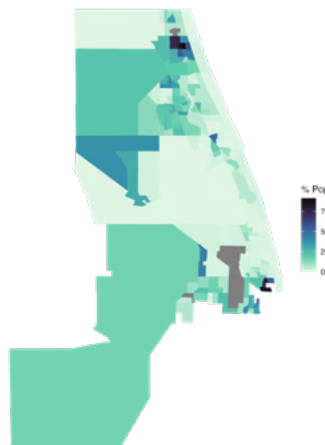
FLORIDA DISTRICT 21

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 21



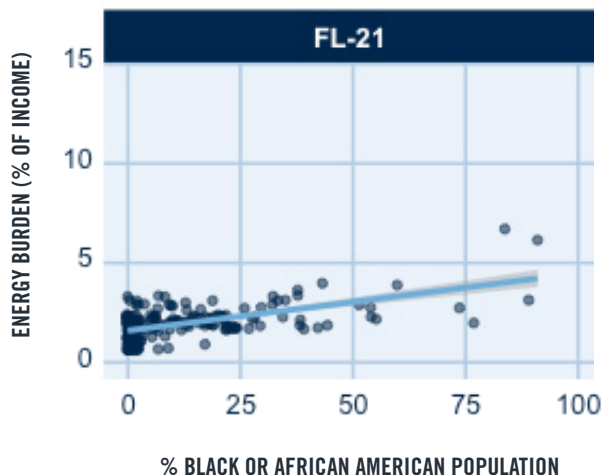
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 21



Source: Data from US Census via tigris and DOE LEAD Tool

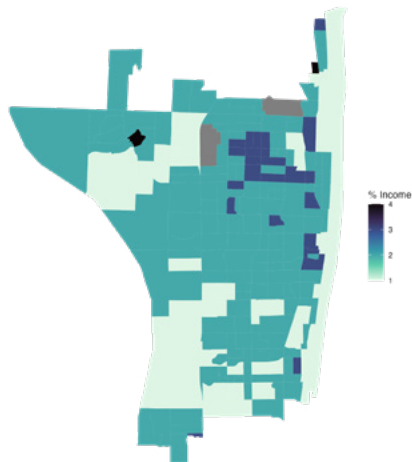
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 21



Source: DOE LEAD Data

FLORIDA DISTRICT 22

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 22



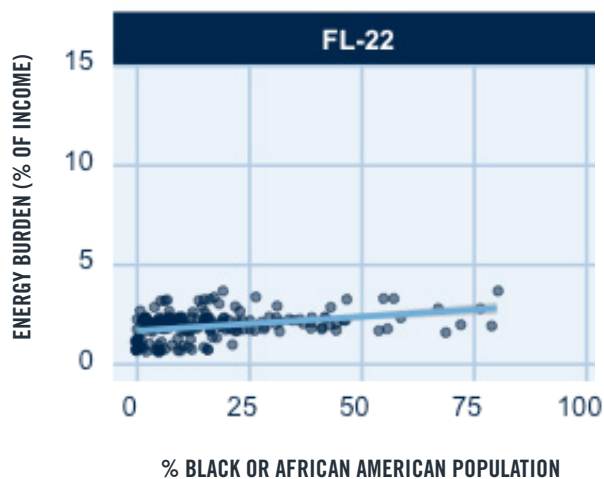
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 22



Source: Data from US Census via tigris and DOE LEAD Tool

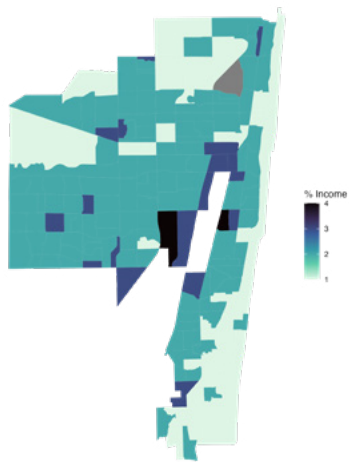
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 22



Source: DOE LEAD Data

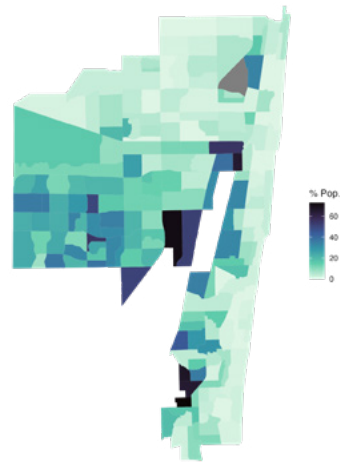
FLORIDA DISTRICT 23

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 23



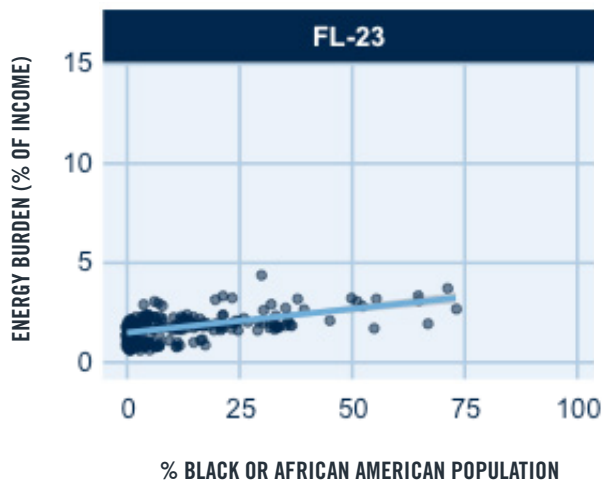
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 23



Source: Data from US Census via tigris and DOE LEAD Tool

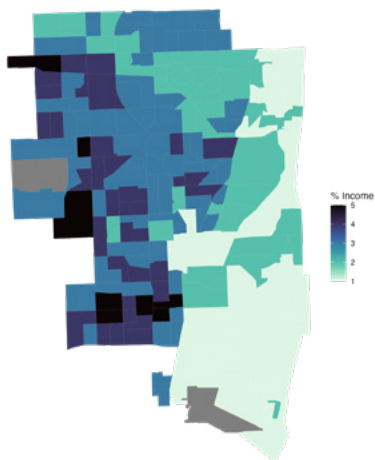
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 23



Source: DOE LEAD Data

FLORIDA DISTRICT 24

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 24



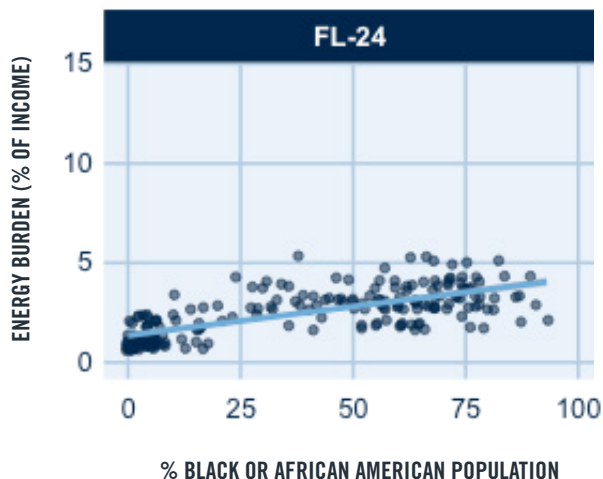
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 24



Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 24



Source: DOE LEAD Data

FLORIDA DISTRICT 25

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 25



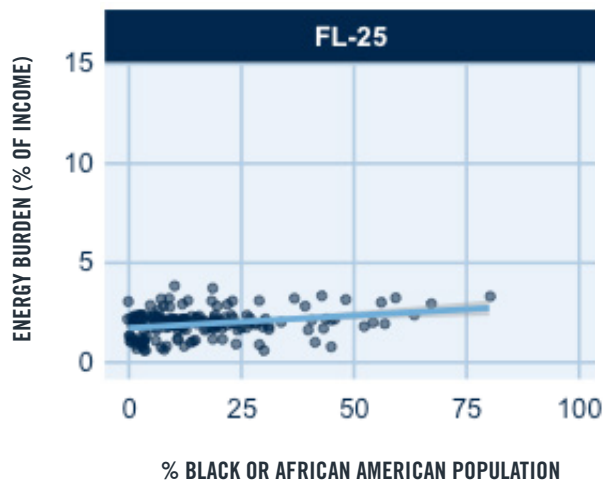
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 25



Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 25



Source: DOE LEAD Data

FLORIDA DISTRICT 26

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 26



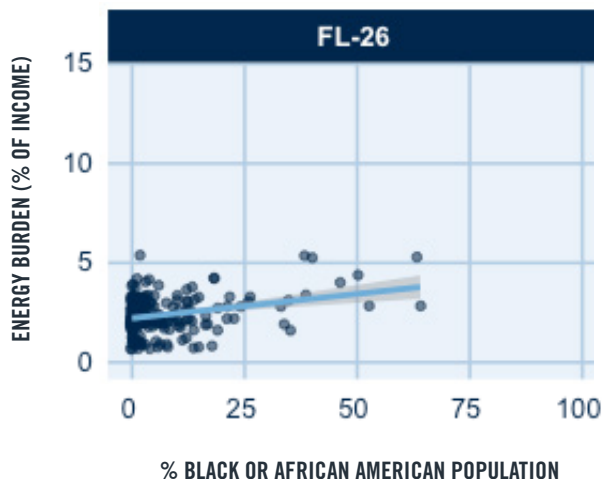
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 26



Source: Data from US Census via tigris and DOE LEAD Tool

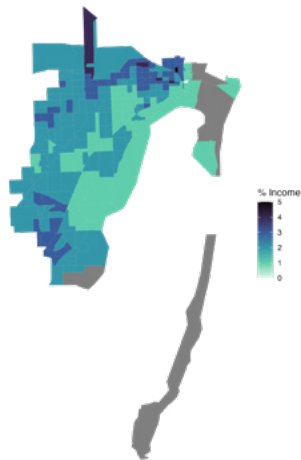
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 26



Source: DOE LEAD Data

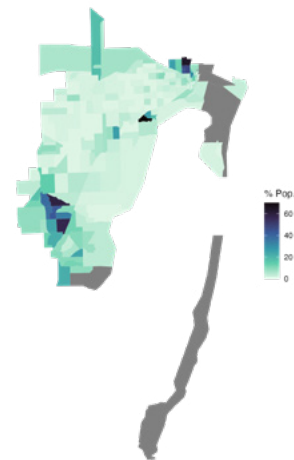
FLORIDA DISTRICT 27

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 27



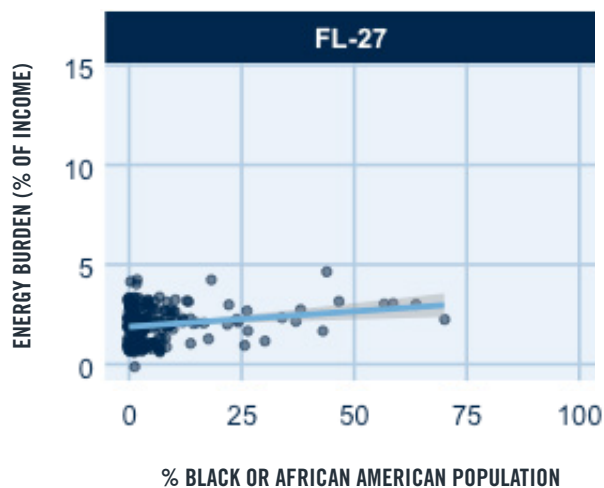
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 27



Source: Data from US Census via tigris and DOE LEAD Tool

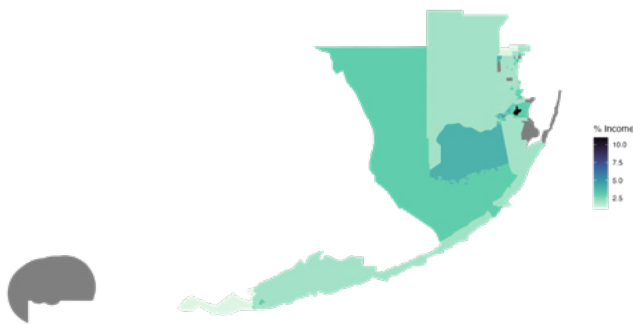
BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 27



Source: DOE LEAD Data

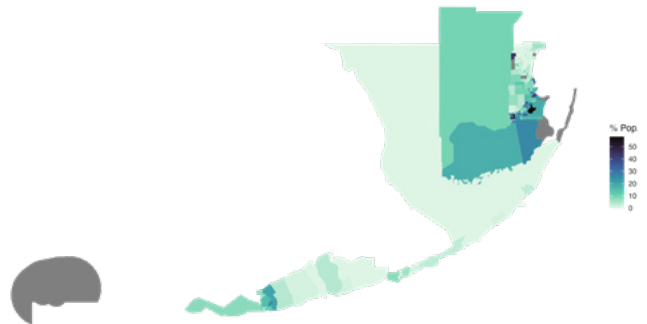
FLORIDA DISTRICT 28

ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 28



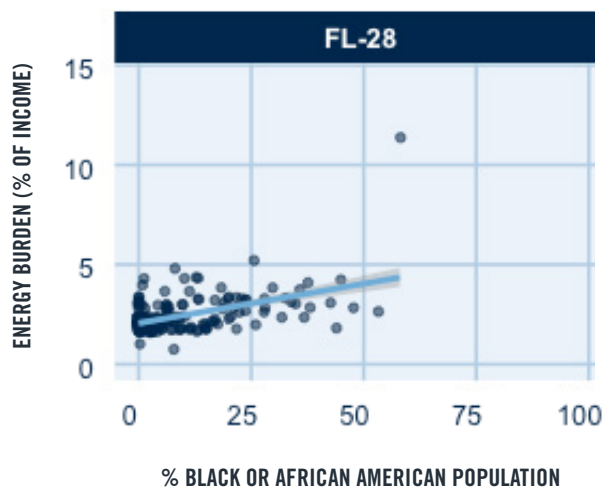
Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE IN FLORIDA CONGRESSIONAL DISTRICT 28



Source: Data from US Census via tigris and DOE LEAD Tool

BLACK POPULATION SHARE AND ENERGY BURDENS IN FLORIDA CONGRESSIONAL DISTRICT 28



Source: DOE LEAD Data