

City Energy Equity Maps and Energy Pathway Calculators

Broadly Beneficial Clean Energy Planning - Updated July 2020

This table provides links to Energy Equity Maps and Energy Pathway Calculators created by Greenlink Analytics on behalf of cities participating in the Broadly Beneficial Clean Energy Planning Training.

In the Energy Equity Maps, you can find information on 1) how much energy burden, or the percentage of annual income that residents pay for electricity and gas bills, neighborhoods across a particular city bare; 2) how clean energy solutions such as solar and energy efficiency might impact energy burdens at neighborhood levels; and 3) additional equity indicators such as income, race, housing, transportation, and health which were selected by the particular city. Equity indicator definitions and sources can be found [here](#).

The Energy Pathway Calculator tool allows you to design clean energy pathways for a particular city. It shows the potential beneficial outcomes of energy efficiency and solar investments within the residential and commercial sectors. Outcome projections include costs of investments, benefit-cost ratios, jobs created, avoided climate damages, and metric tons of carbon dioxide avoided. This tool was created by Greenlink Analytics using industry-standard assumptions and sample outputs from Greenlink's ATHENIA clean energy model. The Energy Pathway Calculator User Guide can be found [here](#) and an Open Calculator Model for Asheville can be found [here](#).

City Name	Energy Equity Map: Baseline	Energy Equity Map: Scenario Outputs	Additional Mapped Equity Indicators	Energy Pathway Calculators
Asheville	Asheville Energy Equity Map	Asheville Equity Scenario Maps	Income: Households with living costs exceeding 30% of their income, Health: Prevalence of current lack of health insurance	Asheville Energy Pathway Calculator
Columbia Missouri	Columbia Energy Equity Map	Columbia Equity Scenario Maps	Demographics: Racial composition, Income: Households with living costs exceeding 30% of their income	Columbia Energy Pathway Calculator
Denver, Colorado	Denver Energy Equity Map	Denver Equity Scenario Maps	Income: Gini index of income inequality, Health: Prevalence of asthma	Denver Energy Pathway Calculator
Honolulu	Honolulu Energy Equity Map	Honolulu Equity Scenario Maps	Housing: Housing type, rented or owned (single family detached, multifamily, townhouse, etc.), Transportation: Travel time to work	Honolulu Energy Pathway Calculator

Kansas City	Kansas City Energy Equity Map	Kansas Equity Scenario Maps	Income: Households with living costs exceeding 30% of their income, Health: Prevalence of poor physical health	Kansas City Energy Pathway Calculator
Las Cruces, NM	Las Cruces Energy Equity Map	Las Cruces Equity Scenario Maps	Housing: House heating fuel (gas, electricity, renewables, etc.), Housing: Housing type, rented or owned (single family detached, multifamily, townhouse, etc.)	Las Cruces Energy Pathway Calculator
Miami-Dade County, FL	Miami-Dade Energy Equity Map	Miami-Dade Equity Scenario Maps	Housing: Eviction rates, Health: Prevalence of asthma	Miami-Dade Energy Pathway Calculator
Milwaukee	Milwaukee Energy Equity Map	Milwaukee Equity Scenario Maps	Housing: Mortgage status, Housing: Housing type, rented or owned (single family detached, multifamily, townhouse, etc.)	Milwaukee Energy Pathway Calculator
Montgomery County, MD	Montgomery County Energy Equity Map	Montgomery Equity Scenario Maps	Demographics: Racial composition, Households with living costs exceeding 30% of their income	Montgomery County Energy Pathway Calculator
Richmond	Richmond Energy Equity Map	Richmond Equity Scenario Maps	Demographics: Racial composition, Housing: Eviction rates	Richmond Energy Pathway Calculator
Salt Lake City	Salt Lake City Energy Equity Map	Salt Lake City Equity Scenario Maps	Income: Households with living costs exceeding 30% of their income, Health: Prevalence of asthma	Salt Lake City Energy Pathway Calculator
Sarasota	Sarasota Energy Equity Map	Sarasota Equity Scenario Maps	Income: Households with living costs exceeding 30% of their income, Housing type, rented or owned (single family detached, multifamily, townhouse, etc.)	Sarasota Energy Pathway Calculator