

Georgia Energy Map

Background

This map, created by the Southern Environmental Law Center (SELC), focuses on Georgia. However, the map extends to SELC's six state region where data is available.

Some materials used in the tool are published online by the federal government and/or ESRI. Links to these sources can be made available, usually as a WMS. Data which has been modified by SELC can be provided in shapefile, geodatabase, or KMZ/KML format. SELC has shared information and links to many of these sources [here](#).

This document intends to provide additional information about the data used in the map.

Disclaimer

This map shows various data layers related to the energy environment in Georgia. The data primarily come from federal agency sources including Department of Energy, Energy Information Administration, and Census Bureau.

This map and data are presented as is and for informational purposes only. This map is not an official source of this information. The owner of this map assumes no responsibility for the accuracy, timeliness, or completeness of the information contained herein.

Layer Definitions and Sources

POWER PLANT CAPACITY (EIA)

Description	All power plants tracked by U.S. Energy Information Administration with a nameplate capacity of 1 megawatt (MW) or more. Includes plants owned by Georgia Power and other utilities, e.g., Cobb EMC. Size and color of dot indicate maximum output (MW) and primary fuel type, respectively.
Source	U.S. EIA hosted by ESRI
Date	June 2024, checked monthly for updates

METHANE GAS INTERSTATE AND INTRASTATE PIPELINES (EIA)

Description	Major inter- and intra-state pipelines transporting “natural gas”
Source	Platts (now S&P Global), with SELC research to update some data fields and locations
Date	2014 with additional information added by SELC research, primarily in 2018 and 2019

U.S. ELECTRIC POWER TRANSMISSION LINES (HIFLD)

Description	Electric power transmission lines and voltages
Source	Homeland Infrastructure Foundation-Level Data (HIFLD), hosted by ESRI
Date	November 7, 2024

STATE LEGISLATIVE DISTRICTS (CENSUS)

Source	U.S. Census TIGERweb
Date	January 1, 2024
Notes	Note that districts are current as of Jan. 1, 2024, but that districts are not automatically updated when re-drawn. SELC will endeavor to update districts when needed.

2024 State Legislative Districts – Upper (Census)

Description	Georgia state senate districts
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2024 State Legislative Districts – Lower (Census)

Description	Georgia state house of representatives districts
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GEORGIA ELECTRIC UTILITY SERVICE TERRITORY

Description	Electric utility service territory type. Types: IOU (e.g., Georgia Power), EMC, Muni, Unassigned.
Source	Original source
Date	2015
Notes	SELC edited original data to add local government utility (“muni”) systems and Georgia Power. Data is generalized. Source materials on utility service territories are difficult to find and verify. Users should not assume complete accuracy and should use their own discretion.

ENERGY BURDEN - CENSUS TRACTS

Source	Low-Income Energy Affordability Data Tool (LEAD) from U.S. Department of Energy. (No longer available on Dept. of Energy website.)
Date	Downloaded in Spring 2024 and Winter 2025
Notes	“Energy burden” refers to electric and gas utility bills as a percentage of household income. “Area median income” refers to the median income of the metropolitan statistical area.

Data is available for renter-occupied and owner-occupied units as well as 5 several different income classifications. In-depth documentation available in PDF format upon request.

Energy Burden - 0-100% of AMI

Description This layer shows the energy burden by census tract for households earning 100% or less of than the Area Median Income.

Energy Burden - 0-60% of AMI

Description This layer shows the energy burden by census tract for households earning 60% or less of than the Area Median Income.

Energy Burden - 0-30% of AMI

Description This layer shows the energy burden by census tract for households earning 30% or less of than the Area Median Income.

Energy Burden - Overall Energy Burden

Description This layer shows the energy burden by census tract for all households in that tract.

ENERGY BURDEN - COUNTY

Source Low-Income Energy Affordability Data Tool (LEAD) from U.S. Department of Energy. (No longer available on Dept. of Energy website.)

Date Downloaded in Spring 2024 and Winter 2025

Notes “Energy burden” refers to electric and gas utility bills as a percentage of household income. “Area median income” refers to the median income of the metropolitan statistical area.

Data is available for renter-occupied and owner-occupied units as well as 5 several different income classifications. In-depth documentation available in PDF format upon request.

Energy Burden - 0-100% of AMI

Description This layer shows the energy burden by county for households earning 100% or less of than the Area Median Income.

Energy Burden - 0-60% of AMI

Description This layer shows the energy burden by county for households earning 60% or less of than the Area Median Income.

Energy Burden - 0-30% of AMI

Description This layer shows the energy burden by county for households earning 30% or less of than the Area Median Income.

Energy Burden - Overall Energy Burden

Description This layer shows the energy burden by county for all households in that tract.