# **CLIMATE CHANGE DATA INVENTORY AND DASHBOARD SCAN**

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### Atlanta Regional Commission LOCAL HOST

## HUMAN ACTIVITIES IHE DRIVER

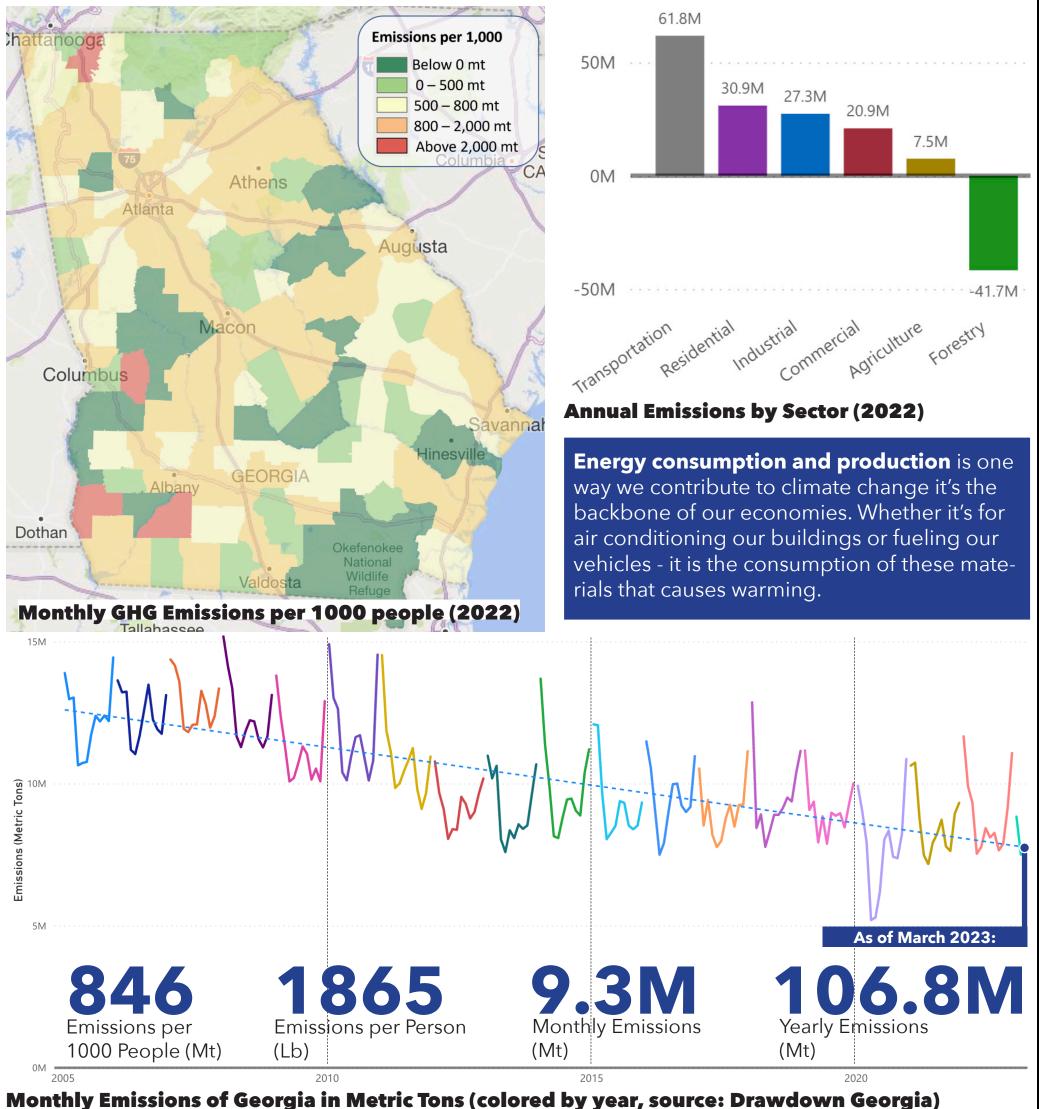


Everything humans do costs energy, and the by-products of that energy generation traps heat. Human Activity refers to the **production and consumption patterns** that contribute to climate change.

#### ■ CLIMATE CHANGE DATA INVENTORY - HUMAN ACTIVITIES

Dataset Name	Source 🔹	Category -T	Sub-category	Variable
American Community Survey	Census Bureau	Human Activities	Social Misc	Nativity & Citizenship Status, Language Spoken
Vehicle Miles Traveled	USDOT	Human Activities		Vehicle Miles Traveled
Vehicle Miles Traveled (Georgia)	GDOT	Human Activities		Vehicle Miles Traveled
US Energy Atlas	Energy Information Administration (EIA)	Human Activities	Power Consumption	Power Plant Location
Facility Level Information of Greenhouse Gases Tool (FLIGHT)	EPA	Human Activities	Emissions	Facilities that emit 25000 metric tons or more of C
National Land Cover Database	USGS	Human Activities	Land Use	Land by type of coverage (like forest coverage)
GHG Emissions	Drawdown GA	Human Activities	Emissions	GHG emissions by year per metric ton by geoid an
State Energy Profiles	Energy Information Administration (EIA)	Human Activities	Power Consumption	Energy consumption/price/demand by source and

#### DRAWDOWN GEORGIA - A LOCALIZED GREENHOUSE GAS INVENTORY





## **EXECUTIVE SUMMARY**

How does Metro Atlanta contribute to and has been affected by climate change? To monitor the trend and foster public awareness, the Atlanta Regional Commission (ARC) is working on creating their first **Climate Change Data In**ventory. To help organize that effort, we divide and aggregate data sources into three categories: Human Activity, **Climate Observation**, and **Social Impact**, among which the Greenhouse Gas (GHG) emission data will also help the fulfillment of US EPA's Climate Pollution Reduction Grant (CPRG). Once the inventory is complete, the ARC will use it for their future **Climate Change Dashboard:** a public tool to understand the state of climate change in the region.

