

## Appendix B GHG Emissions Inventory

Using data from EPA’s State GHG Emissions and Removals database, Table 38 depicts Georgia’s greenhouse gas (GHG) emissions by type of gas in metric tons and, in the far-right column, in metric tons of CO<sub>2</sub> equivalent (MT CO<sub>2</sub>e). GHG emissions for the year 2022, the latest period with available data, are organized by economic sector and further classified by source.

**Table 1. 2022 Georgia GHG Emissions Inventory**

Economic Sector/Source	Gas (MT)							CO <sub>2</sub> e
	CH <sub>4</sub>	CO <sub>2</sub>	HFC	N <sub>2</sub> O	NF <sub>3</sub>	PFC	SF <sub>6</sub>	
<b>Agriculture</b>	<b>105,920</b>	<b>647,873</b>	-	<b>10,042</b>	-	-	-	<b>6,274,665</b>
Emissions from Liming, Urea Application and Other Carbon-Containing Fertilizers	-	69,244	-	-	-	-	-	69,244
Direct and Indirect Emissions from Agricultural Soils	-	-	-	8,904	-	-	-	2,359,681
Enteric Fermentation	76,565	-	-	-	-	-	-	2,143,810
Field Burning of Agricultural Residues	613	-	-	28	-	-	-	24,695
Fossil Fuel Combustion	138	578,629	-	63	-	-	-	599,302
Manure Management	28,605	-	-	1,045	-	-	-	1,077,933
Rice Cultivation	-	-	-	-	-	-	-	-
<b>Commercial</b>	<b>224,941</b>	<b>6,725,446</b>	-	<b>2,799</b>	-	-	-	<b>13,765,569</b>
Biological Treatment of Solid Waste	1,039	-	-	77	-	-	-	49,593
Fossil Fuel Combustion	633	4,687,527	-	22	-	-	-	4,711,010
Product Uses as Substitutes for Ozone Depleting Substances (ODS)	-	2,037,919	-	-	-	-	-	2,037,919
Solid Waste Disposal	208,650	-	-	-	-	-	-	5,842,194
Wastewater Treatment and Discharge	14,618	-	-	2,700	-	-	-	1,124,852

Economic Sector/Source	Gas (MT)							
	CH <sub>4</sub>	CO <sub>2</sub>	HFC	N <sub>2</sub> O	NF <sub>3</sub>	PFC	SF <sub>6</sub>	CO <sub>2</sub> e
<b>Electric Power Industry</b>	<b>1,493</b>	<b>54,520,753</b>	-	<b>1,811</b>		-	<b>6</b>	<b>55,192,003</b>
Fossil Fuel Combustion	1,493	40,406,570	-	1,811	-	-	-	40,928,288
Interstate Electricity from Alabama <sup>1</sup>	-	13,919,488	-	-	-	-	-	13,919,488
Incineration of Waste	-	-	-	-	-	-	-	-
Mineral Industry	-	194,695	-	-	-	-	-	194,695
Other Product Manufacture and Use	-	-	-	-	-	-	6	149,532
<b>Industry</b>	<b>94,558</b>	<b>13,419,531</b>	-	<b>1,748</b>	-	-	-	<b>16,536,602</b>
Chemical Industry	-	777,226	-	42	-	-	-	788,328
Electronics Industry	-	-	-	0.053	-	0.032	-	251
Fossil Fuel Combustion	6,153	10,486,440	-	1,154	-	-	-	10,964,470
Fugitives	48,908	19,920	-	-	-	-	-	1,389,369
Metal Industry	-	38,774	-	-	-	-	-	38,774
Mineral Industry	-	428,188	-	-	-	-	-	428,188
Non-Energy Uses of Fossil Fuels	-	424,324	-	-	-	-	-	424,324
Other	-	161,969	-	-	-	-	-	161,969
Other Product Manufacture and Use <sup>2</sup>	-	-	-	458	-	-	-	127,564
Product Uses as Substitutes for ODS	-	1,082,690	-	-	-	-	-	1,082,690
Solid Waste Disposal	25,233	-	-	-	-	-	-	706,537

<sup>1</sup> Emissions from electricity imported from Alabama is not included in EPA's State GHG Emissions and Removals for Georgia. This emissions data was sourced from Drawdown Georgia's emissions tracker. Additional detail can be found on Drawdown Georgia's emissions tracker website. [GHG Emissions Tracker Documentation](#).

<sup>2</sup> Other Product Manufacture and Use includes emissions from manufacturing, use, and disposal of propellants and equipment with military, medical, cosmetic, and other applications not covered in the UNFCCC sector framework. In 2022, the Other subcategory consisted entirely of Carbon Dioxide Consumption.

Economic Sector/Source	Gas (MT)							
	CH <sub>4</sub>	CO <sub>2</sub>	HFC	N <sub>2</sub> O	NF <sub>3</sub>	PFC	SF <sub>6</sub>	CO <sub>2</sub> e
Wastewater Treatment and Discharge	14,263	-	-	93	-	-	-	424,138
<b>LULUCF Sector Net Total<sup>3</sup></b>	<b>65,323</b>	<b>(50,335,307)</b>	<b>-</b>	<b>311</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(48,423,841)</b>
Cropland	-	1,650,211	-	-	-	-	-	1,650,211
Forest Land	1,376	(35,876,335)	-	126	-	-	-	(35,804,310)
Grassland	-	1,227,765	-	-	-	-	-	1,227,768
Settlements	-	(7,273,691)	-	185	-	-	-	(7,224,765)
Wetlands	63,947	(663,256)	-	-	-	-	-	1,127,255
Harvested Wood Products <sup>4</sup>	-	(9,400,000)	-	-	-	-	-	(9,400,000)
<b>Residential</b>	<b>1,359</b>	<b>9,452,801</b>	<b>-</b>	<b>26</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9,497,680</b>
Fossil Fuel Combustion	1,359	7,760,947	-	26	-	-	-	7,805,826
Product Uses as Substitutes for ODS	-	1,691,854	-	-	-	-	-	1,691,854
<b>Transportation</b>	<b>1,687</b>	<b>59,090,180</b>	<b>-</b>	<b>1,499</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>59,534,571</b>
Fossil Fuel Combustion	1,687	57,859,899	-	1,499	-	-	-	58,304,289
Non-Energy Uses of Fossil Fuels	-	272,290	-	-	-	-	-	272,290
Product Uses as Substitutes for ODS	-	957,992	-	-	-	-	-	957,992
<b>Net total Emissions<sup>5</sup></b>	<b>495,281</b>	<b>93,521,277</b>	<b>-</b>	<b>18,236</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>112,377,248</b>

<sup>3</sup> The LULUCF Sector Net Total is the net sum of all CH<sub>4</sub> and N<sub>2</sub>O emissions to the atmosphere plus net carbon stock changes.

<sup>4</sup> Harvested wood products are not included in EPA's State GHG Emissions and Removals for Georgia. This emissions data was sourced from Drawdown Georgia's emissions tracker. Additional detail can be found on Drawdown Georgia's emissions tracker website. [GHG Emissions Tracker Documentation](#).

<sup>5</sup> Net emissions include sequestered emissions from the LULUCF sector.