



**Chihuahuan
Desert**
Climate
Collaborative

POWERED BY THE CITY OF EL PASO

EPClimate.org

Greenhouse Gas (GHG) Inventory

EL PASO MSA

ICLEI OUTPUTS – EL PASO MSA (OVERALL)



El Paso MSA Sector	CO ₂ e ²
Transportation & Mobile Sources	3,648,901
Solid Waste	173,914
Water & Wastewater	2,210
AFOLU ¹	38,030
Commercial Energy	1,595,866
Industrial Energy	538,006
Residential Energy	1,215,220
Process & Fugitive Emissions	360,450
TOTAL	7,572,597

1. AFOLU - Agriculture, Forestry, and Other Land Uses

2. CO₂e - Carbon Dioxide Equivalent

EL PASO VS HUDSPETH COUNTY COMPARISON

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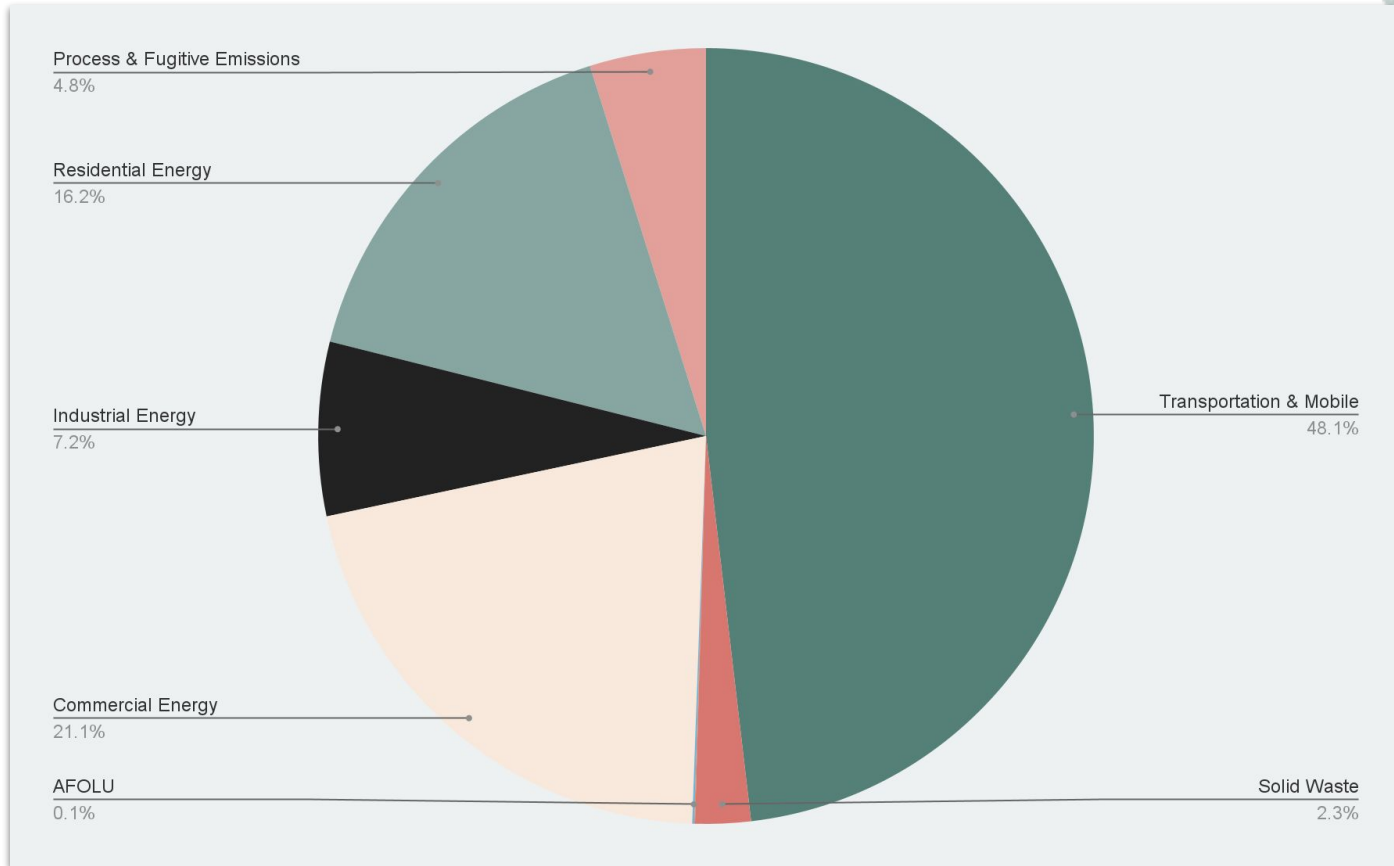


El Paso Sector	CO ₂ e
Transportation & Mobile Sources	3,577,048
Solid Waste	171,411
Water & Wastewater	2,168
AFOLU	6,540
Commercial Energy	1,568,209
Industrial Energy	538,006
Residential Energy	1,206,945
Process & Fugitive Emissions	359,631
TOTAL	7,429,958

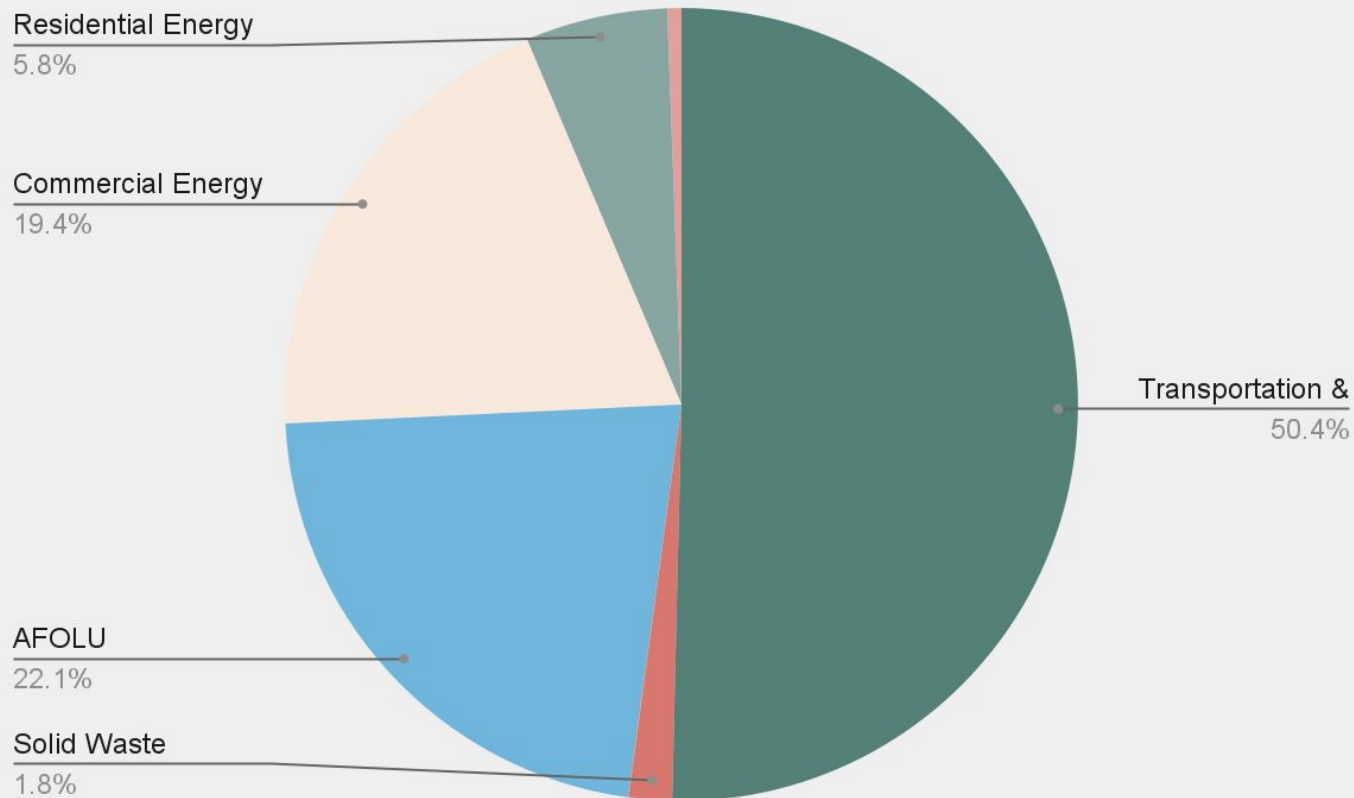
Hudspeth Sector	CO ₂ e
Transportation & Mobile Sources	71,853
Solid Waste	2,503
Water & Wastewater	41
AFOLU	31,490
Commercial Energy	27,656
Industrial Energy	0
Residential Energy	8,274
Process & Fugitive Emissions	818
TOTAL	142,635

3. County Comparison CO₂e totaling 7,572,593. Total is less than previous slide due to rounding.

EL PASO COUNTY – CO₂e



HUDSPETH COUNTY – CO₂e



CPRG⁴ SECTORS



Sector	CO ₂ e
Electricity Generation ⁵	1,525,493
Industry ⁶	859,119
Transportation ⁷	3,648,901
Buildings ⁸	1,324,930
Agriculture and natural and working lands ⁹	38,030
Waste management ¹⁰	176,124
TOTAL	7,572,597

4. Climate Pollution Reduction Grants (CPRG) program focusing on six sectors to reduce greenhouse gas emissions

5. Electricity Generation - Includes the generation, transmission, and distribution of electricity

6. Industry - Includes emissions from industrial processes

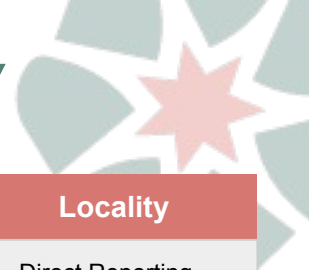
7. Transportation - Includes emissions from vehicles and other transportation modes

8. Buildings - Includes emissions from homes, businesses, and other buildings (excludes electricity emissions which are included in the Electricity Generation sector)

9. Agriculture and natural and working lands - Includes emissions from livestock and crop production, land use, and forestry

10. Waste Management - Includes emissions from landfills, wastewater treatment facilities, and other waste management processes

GHG INVENTORY DATA SOURCES & METHODOLOGY



Sector	Fuel Or Source	Emissions	% of Total	Data Source	Locality
Buildings	Residential Electricity	556,660	7.4%	El Paso Electric	Direct Reporting
Buildings	Residential Natural Gas	621,835	8.2%	Texas Gas	Direct Reporting
Buildings	Residential Non-Utility Fuels	36,725	0.5%	Energy Information Administration	State Scaledown
Buildings	Commercial/Industrial Electricity	968,833	12.8%	El Paso Electric	Direct Reporting
Buildings	Commercial/Industrial Natural Gas	584,090	7.7%	Texas Gas	Direct Reporting
Buildings	Commercial Non-Utility Fuels	42,943	0.6%	Energy Information Administration	State Scaledown
Buildings	Fugitive emissions from Natural Gas Distribution	39,337	0.5%	Texas Gas/ICLEI Leakage Default	Local Estimate
Industry	Industrial Non-Utility Fuels	538,006	7.1%	EPA FLIGHT	Direct Reporting
Industry	Industrial Processes ¹¹	321,113	4.2%	EPA FLIGHT	Direct Reporting
Transportation	On-road Vehicles	3,327,735	43.9%	Google Environmental Insights Explorer	Local Estimate
Transportation	Public Transit Buses	1,120	0.0%	Sun Metro	Direct Reporting

11. Includes Marathon Refinery and other industrial process emissions.

GHG INVENTORY DATA SOURCES & METHODOLOGY



Sector	Fuel Or Source	Emissions	% of Total	Data Source	Locality
Transportation	Aviation	267,464	3.5%	Bureau of Transportation	National Scaledown
Transportation	Rail	40,988	0.5%	National Emissions Inventory	Local Estimate
Transportation	Off-road Vehicles	11,594	0.2%	National Emissions Inventory	Local Estimate
Waste	Generated Solid Waste	173,914	2.3%	Texas Commission on Environmental Quality	Direct Reporting
Waste	Wastewater Treatment	2,210	0.0%	Wastewater Treatment Plants	Direct Reporting
Agriculture	Agricultural Emissions	38,030	0.5%	EPA State Inventory Tool*, USDA Census of Agriculture (2017)	Local Estimate
Natural and Working Lands	Emissions from loss of Trees	561	0.0%	ICLEI ¹² LEARN Tool	Local Estimate
Natural and Working Lands	Removals from additions of Trees	-153,731	-2.0%	ICLEI LEARN Tool	Local Estimate

*Currently in the process of collecting agriculture data specific to each county from the 2017 US Department of Agriculture's 2017 Census.

12. ICLEI - Local Government for Sustainability