€) entergy

2024 Entergy Corporate GHG Emissions breakdown by category

All numbers in the table below represent CO2 equivalents (CO2e)

Operational Emissions Category	Emissions Source Category	Corporate emissions source	Greenhouse gas	Total emissions short tons CO2e	Total emissions in metric tons CO2e	percentage of total corporate emissions	Calculation worksheet in inventory document	
		Power generating units	CO2	45,147,206	40,956,856.76	58.07%		
		(includes emergency and backup	CH4	19,908	18,059.94	0.03%	Stationary Combustion CE	
		generators)	N2O	54,791	49,705.86	0.07%		
	Stationary Combustion	Small stationary combustion sources &	CO2	2,164,283	1,963,404.31	2.78%		
	oralionally compaction	generators (2022 updated methodology; co-located at	CH4	866	785.36	0.00%	All small stat cbn totals	
		generation stations, service stations and		4 999		0.000/		
		Power Through)	N2O	1,299	1,178.04	0.00%		
		Biomass power generation			N	ot applicable		
Scope 1			CO2	60,080	54,503.85	0.08%		
Direct		Corporate fleet	CH4	88	80.02	0.00%	Mobile Combustion	
Emission Sources	Mobile Combustion		N2O	469	425.03	0.00%		
		Biomass fleet				ot applicable		
		Biomass neet						
		Natural gas transmission and distribution	CH4	48,976	44,430.35	0.06%	Fugitive CH4-NG T&D	
	Fugitive Emissions	Electricity transmission and distribution	SF6	99,180	89,974.58	0.13%	Fugitive SF6	
		Cooling/air-conditioning (building, mobile and nuclear cooling eqpt)	HFCs	5,829	5,287.54	0.01%	Fugitive HFCs	
	Process emissions none applicable				IN	ot applicable		
		ions from Direct Sources	L	47,602,974	43,184,691.66	61.23%		
			C02					
	Durch age of Electricity	Power purchased for business	CO2	162	146.55	0.00%		
Purchased Electricity Scope 2 Indirect	operations outside Entergy service territory	CH4	4	3.19	0.00%	1		
		-	N2O	0	0.04	0.00%		
			CO2	190,377	172,707.09	Note: these emissions are calculated for information only -	Purchased power	
Emission Sources	TOD lasses & Commonly	Entergy generated & purchased power	CH4	342	310.53	they are NOT included in the subtotal or the grand total		
	T&D losses & Company Usage	consumed on Entergy T&D system and company location energy consumption	N20	625	566.69	shown below because any T&D losses are accounted for by the scope 1 emissions necessary to make up for		
						these losses.		
	Total Emissi	ons from Indirect Sources	CO2	165	149.78	0.00%		
	Category 1			3,039,054	2,756,983.35	3.91%		
	Purchased Goods and Services	Spend method	CH4 N20	457,990 0	415,481.32 0.00	0.59%	Purchased and Capital	
	(Contains Waste Spend		Other GHGs	24,060	21,827.18	0.03%		
	Data)		Total (CO2e)	3,521,104	3,194,291.85	4.53%		
	Data)	0-1			3,221,657	2,922,638.33	4.14%	
	Category 2		CO2			0.270/		
	Category 2 Capital Goods	Spend method	CO2 CH4 N20	287,049	260,406.81	0.37%	Purchased and Capital	
	Capital Goods (Contains Waste Spend	Spend method	CH4	287,049		0.37% 0.00% 0.04%	Purchased and Capital	
	Capital Goods	Spend method	CH4 N20 Other GHGs Total (CO2e)	287,049 0 27,762 3,536,469	260,406.81 0.00 25,185.33 3,208,230.47	0.00% 0.04% 4.55%	Purchased and Capital	
	Capital Goods (Contains Waste Spend	Controllable Purchased Power	CH4 N20 Other GHGs Total (CO2e) CO2	287,049 0 27,762 3,536,469 2,141,438	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67	0.00% 0.04% 4.55% 2.75%	Purchased and Capital	
	Capital Goods (Contains Waste Spend	Controllable Purchased Power (contracted power where the source is	CH4 N20 Other GHGs Total (CO2e) CO2 CH4	287,049 0 27,762 3,536,469 2,141,438 7,027	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38	0.00% 0.04% 4.55% 2.75% 0.01%	Purchased and Capital	
	Capital Goods (Contains Waste Spend Data) Category 3	Controllable Purchased Power	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N2O	287,049 0 27,762 3,536,469 2,141,438	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01	0.00% 0.04% 4.55% 2.75%	Purchased and Capital	
	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements)	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10%	Purchased and Capital	
Scope 3	Capital Goods (Contains Waste Spend Data) Category 3	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power	CH4 N20 Other GHGs Total (CO2e) CH4 N2O Total (CO2e) CO2 CH4	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01%		
	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N2O Total (CO2e) CO2 CH4 N2O	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02%		
Indirect missions	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being	CH4 N20 Other GHGs Total (CO2e) CH4 N2O Total (CO2e) CO2 CH4	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01%		
Scope 3 Indirect Emissions (Optional ategories)	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 N20 Total (CO2e)	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12%		
Indirect missions (Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e)	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89%	Purchased Power	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) CH4 (CO2e) CO2 CH4 (CO2e)	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 0.01% 0.01% 0.00%	Purchased Power	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs)	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) CH4 (CO2e) CH4 (CO2e) CO2 CH4 (CO2e) CH4 (CO2e)	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 0.01% 0.00% 0.00%	Purchased Power Delivered Gas	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) CH4 (CO2e) CO2 CH4 (CO2e)	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 0.01% 0.01% 0.00%	Purchased Power	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 (CO2e) CH4 (CO2e) CO2 CH4 (CO2e) CH4 (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,324 2,9,781 5 3	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05 6,372.24 27,016.88 48.24	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 12.49% 0.01% 0.00%	Purchased Power	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 CO2 CH4 (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CH4 Strest Str	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,342 29,781 53 810	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4,59 12.05 6,372.24 27,016.88 48.24 734.65	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.49% 12.49% 2.49% 0.01% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7 Employee Commuting	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 (CO2e) CO4 CO2 CH4 (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CC2 CH4 CO2 CO2 CH4 CO2 CO2 CC2 CC2 CH4 CO2 CO2 CC2 CC2 CC2 CH4 N20 CO2 CC2 CC2 CC2 CC2 CC2 CC2 CC2 CC2 CC2	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,323 5 5 13 6,342 29,781 53 810 30,644 945,385	260,406.81 0.00 25,185.33 3,208,230.47 1.942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05 6,372.24 27,016.88 48.24 734.65 27,799.77 857,639.08	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.49% 12.49% 12.49% 0.01% 0.00% 0.00% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7 Employee Commuting Category 11	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 CO2 CO2 CH4 CO2 CD2 CH4 CO2 CH4 CO2 CD2 CH4 CO2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CH4 CO2 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,342 29,781 53 810 30,644 945,385 378	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05 6,372.24 27,016.88 48.24 734.65 27,799.77 857,639.08 343.06	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 0.01% 0.00% 0.00% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7 Employee Commuting	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from normal work locations	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 (CO2e) CO2 CH4 (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 N20 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 C CO2 CH4 CO2 CO2 C C CO2 C CO2 C C CO2 C CO2 C C CO2 C CO2 C CO2 C CO2 C C CO2 C C CO2 C CO2 C C C C	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 5 13 6,324 29,781 53 810 30,644 946,335	260,406.81 0.00 25,185.33 3,208,230.47 1.942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05 6,372.24 27,016.88 48,24 734.65 27,799.77 857,639.08 343.06 514.58 858,496.72	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 12.49% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel Employee Commuting	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7 Employee Commuting Category 11 Use of Sold Products	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from normal work locations Gas Combusion by LDC customers	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 (CO2e) CH4 (CO2e) CH4 (CO2e) CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 CO2e) CO2 CH4 CO2 CO2 CH4 CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CD2 CH4 N20 CO2 CD2 CH4 N20 CO2 CD2 CH4 N20 CO2 CD2 CH4 CO2 CO2 CC2 CH4 N20 CO2 CC2 CH4 CO2 CO2 CC2 CC2 CC2 CC2 CC2 CC2 CC2 CC2	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,342 29,781 53 810 30,644 945,385 378 567 946,331 2,359,948	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4,59 12,05 6,372.24 27,016.88 48.24 734.65 27,799.77 857,639.08 343.06 514.58 888,496.72 2,140,908.81	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel Employee Commuting	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7 Employee Commuting Category 11 Use of Sold Products	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from normal work locations Gas Combusion by LDC customers Entergy facility leased for sole use of	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 (CO2e) CO2 CH4 (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 N20 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 CH4 CO2 CO2 C CO2 CH4 CO2 CO2 C C CO2 C CO2 C C CO2 C CO2 C C CO2 C CO2 C CO2 C CO2 C C CO2 C C CO2 C CO2 C C C C	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 13 6,323 5 5 13 6,324 29,781 53 810 30,644 946,335	260,406.81 0.00 25,185.33 3,208,230.47 1.942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05 6,372.24 27,016.88 48,24 734.65 27,799.77 857,639.08 343.06 514.58 858,496.72	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.49% 12.49% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel Employee Commuting	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7 Employee Commuting Category 11 Use of Sold Products	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from normal work locations Gas Combusion by LDC customers	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 (CO2e) CH4 (CO2e) CH4 (CO2e) CH4 (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 CO2 CO2 CH4 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CO2 CH4 N20 CO2 CO2 CO2 CH4	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,324 2,9,781 53 810 30,644 945,385 378 567 946,331 2,359,948 1,109	260,406.81 0.00 25,185.33 3,208,230.47 1,942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05 6,372.24 27,016.88 48,24 734.65 27,799.77 857,639.08 343.06 514.58 858,496.72 2,140,908.81 1,006.23	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.49% 12.49% 12.49% 0.01% 0.00% 0.00% 0.00% 0.04% 0.00% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel Employee Commuting Product Combusion	
Indirect missions Optional	Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel Category 7 Employee Commuting Category 11 Use of Sold Products Category 13 Leased Assets	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power (market purchases with exact source being unknown sold to customers) Category 3 Total Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs) Travel by air, rental car, hotel stays and personal vehicles Travel by employees to and from normal work locations Gas Combusion by LDC customers Entergy facility leased for sole use of	CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 (CO2e) CO2 CH4 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 CO2 CO2 CH4 N20 CO2 CC2 CH4 N20 CO2 CC4 CC4 CO2 CC4 CC4 CO2 CC4 CC4 CC4 CC4 CC4 CO2 CC4 CC4 CC4 CC4 CC4 CC4 CC4 CC4 CC4 CC	287,049 0 27,762 3,536,469 2,141,438 7,027 3,850 2,152,315 7,849,233 7,265 13,258 7,869,756 10,022,070 9,713,632 6,323 5 13 6,342 29,781 5,3 810 30,644 30,644 30,644 31,225 8,385 378 5,57 9,46,331 2,359,948 1,109 1,322	260,406.81 0.00 25,185.33 3,208,230.47 1.942,679.67 6,374.38 3,493.01 1,952,547.06 7,120,704.19 6,590.69 12,027.31 7,139,322.19 9,091,869.25 8,812,058.35 6,355.60 4.59 12.05 6,372.24 27,016.88 48,24 734.65 27,799.77 857,639.08 343.06 514.58 858,496.72 2,140,908.81 1,008.81 1,108.83 1,108.83 1,198.91	0.00% 0.04% 4.55% 2.75% 0.01% 0.00% 2.77% 10.10% 0.01% 0.02% 10.12% 12.89% 12.89% 12.49% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased Power Delivered Gas Business Travel Employee Commuting Product Combusion	

	2024					CO2 fro	m CEM	CH4	N2O		
Generating facility and EPA Acid Rain Unit ID	EPA Acid Rain Unit ID (Entergy ID if different)	Max capacity (MW)	State	Entergy equity share of unit	Primary fuel(s)	Total unit CO2 (1)	Entergy equity share of unit CO2 emissions	Entergy share CH4 emissions from generation (2)	Entergy share N2O emissions from generation (3)	Total Facility CO2e in short tons	Total CO2e metric ton
						short tons CO2	short tons CO2	short tons CO2e	short tons CO2e		
Acadia (Unit 2)	CT3	580	LA	100%	Natural Gas	778,459.00	778,459.00	365.88	435.94		
Acadia (Unit 2)	CT4		LA	100%	Natural Gas	773,116.00	773,116.00	363.36	432.94		
otals							1,551,575.00	729.24	868.88	1,553,173.12	1,409,014
ttala	A01	480	MS	100%	Natural Gas	640,125.00	640,125.00	300.86	358.47		
ttala	A02		MS	100%	Natural Gas	644,332.00	644,332.00	302.84	360.83		
otals		480					1,284,457.00	603.69	719.30	1,285,779.99	1,166,439
laxter Wilson	1	550	MS	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Baxter Wilson	2	771	MS	100%	Gas/Oil	0.00	0.00	0.00	0.00		
otals		1321					0.00	0.00	0.00	0.00	(
lig Cajun 2 ⁽⁵⁾	2B3 (3)	257	LA	42% ⁽⁵⁾	Coal	847,957.00	356,142.00	96.16	1,802.08		
otals		257					356,142.00	96.16	1,802.08	358,040.24	324,808
Calcasieu Plant	GTG1	322	LA	100%	Natural gas	27,566.00	27,566.00	12.96	15.44		
alcasieu Plant	GTG2		LA	100%	Natural gas	35,181.00	35,181.00	16.54	19.70		
otals		322					62,747.00	29.49	35.14	62,811.63	56,98
hoctaw County	CTG1		MS	100%	Natural gas	864,377.00	864,377.00	406.26	484.05		
hoctaw County	CTG2		MS	100%	Natural gas	875,596.00	875,596.00	411.53	490.33		
hoctaw County	CTG3		MS	100%	Natural gas	876,304.00	876,304.00	411.86	490.73		
otals							2,616,277.00	1,229.65	1,465.12	2,618,971.77	2,375,891
Gerald Andrus	1	761	MS	100%	Gas/Oil	277,412.00	277,412.00	130.38	155.35		
otals		761					277,412.00	130.38	155.35	277,697.73	251,923
lardin County Peaking Facility		146	тх	100%	Natural Gas	71,440.00	71,440.00	33.58	40.01		
lardin County Peaking Facility			тх	100%	Natural Gas	71,463.00	71,463.00	33.59	40.02		
otals							142,903.00	67.16	80.03	143,050.19	129,772
linds Energy Facility	H01	456	MS	100%	Gas CT	708,228.00	708,228.00	332.87	396.61		
linds Energy Facility	H02		MS	100%	Gas CT	713,279.00	713,279.00	335.24	399.44		
linds Energy Facility	Unit 2	29	MS	100%	Gas CT	2,509.00	2,509.00	1.18	1.41		
otals		485					1,424,016.00	669.29	797.45	1,425,482.74	1,293,176
lot Spring Energy Facility	CT-1	620	AR	100%	Gas CT	451,039.00	451,039.00	211.99	252.58		
lot Spring Energy Facility	CT-2		AR	100%	Gas CT	452365	452,365.00	212.61	253.32		
otals		620					903,404.00	424.60	505.91	904,334.51	820,398
ndependence	1	472	AR	56.5%	Coal	3,021,106.0	1,706,925.00	460.87	8,637.04		
ndependence	2	332	AR	39.37%	Coal	3,715,253.00	1,462,695.00	394.93	7,401.24		
otals		804					3,169,620.00	855.80	16,038.28	3,186,514.07	2,890,756
ake Catherine	4	547	AR	100%	Gas/Oil	196,739.00	196,739.00	92.47	110.17		
otals		547					196,739.00	92.47	110.17	196,941.64	178,662
ake Charles Power Station	1A	877	LA	100%	Natural Gas	1,213,113.00	1,213,113.00	570.16	679.34		
ake Charles Power Station	1B		LA	100%	Natural Gas	1,198,845.00	1,198,845.00	563.46	671.35		
otals		877					2,411,958.00	1,133.62	1,350.70	2,414,442.32	2,190,34
ewis Creek	1	260	тх	100%	Gas/Oil	672,237.00	672,237.00	315.95	376.45		
ewis Creek	2	260	тх	100%	Gas/Oil	718,076.00	718,076.00	337.50	402.12		
otals		520					1,390,313.00	653.45	778.58	1,391,745.02	1,262,569
ittle Gypsy	1	244	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
ittle Gypsy	2	436	LA	100%	Gas/Oil	603,310.00	603,310.00	283.56	337.85		
ittle Gypsy	3	573	LA	100%	Gas/Oil	258,469.00	258,469.00	121.48	144.74		

Generating facility and EPA Acid Rain Unit ID	EPA Acid Rain Unit ID (Entergy ID if different)	Max capacity (MW)	State	Entergy equity share of unit	Primary fuel(s)	Total unit CO2 (1)	Entergy equity share of unit CO2 emissions	Entergy share CH4 emissions from generation (2)	Entergy share N2O emissions from generation (3)	Total Facility CO2e in short tons	Total CO2e in metric tons
Totals		1253					861,779.00	405.04	482.60	862,666.63	782,598.00
Montgomery County Power Station	CT1		тх	92%	CCGT	1,322,541.17	1,222,557.00	574.60	684.63		
Montgomery County Power Station	CT2		тх	92%	CCGT	1,305,797.82	1,207,080.00	567.33	675.96		
Totals		0					2,429,637.00	1,141.93	1,360.60	2,432,139.53	2,206,399.86
Ninemile Point	3	135	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Ninemile Point	4	748	LA	100%	Gas/Oil	2,817,053.55	2,817,053.55	1,324.02	1,577.55		
Ninemile Point	5	763	LA	100%	Gas/Oil	2,499,304.85	2,499,304.85	1,174.67	1,399.61		
Ninemile Point	6A	280	LA	100%	CCGT	1,930,132.61	1,930,132.61	907.16	1,080.87		
Ninemile Point	6B	280	LA		CCGT	1,908,954.40	1,908,954.40	897.21	1,069.01		
Totals		1646					9,155,445.41	4,303.06	5,127.05	9.164.875.52	8,314,235.21
New Orleans Power Station	1	132	LA	100%	Natural Gas	85,142.00	85,142.00	40.02	47.68		
Totals		132					85,142.00	40.02	47.68	85,229.70	77,319.08
Ouachita Power	CTGEN1	242	LA	100%	Natural das	842,549.00	842,549.00		471.83	03,229.70	11,313.00
Ouachita Power	CTGEN2	244	LA		Natural gas		833,799.00		466.93		
		241	LA		Natural gas	833,799.00					
Ouachita Power	CTGEN3		LA	100%	i Naturai yas	725,168.00	725,168.00		406.09		
Totals		727					2,401,516.00	1,128.71	1,344.85	2,403,989.56	2,180,862.65
Perryville	1-1	718	LA		Gas/Oil	751,588.00	751,588.00		420.89		
Perryville	1-2		LA		Gas/Oil	776,346.00	776,346.00	364.88	434.75		
Perryville	2-1		LA	100%	, Gas/Oil	58,058.00	58,058.00	27.29	32.51		
Totals		718					1,585,992.00	745.42	888.16	1,587,625.57	1,440,269.69
R S Nelson	4	500	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
R S Nelson ⁽⁶⁾	6	385	LA	80.9%	, Coal	1,948,946.00	1,576,697.00	425.71	7,978.09		
Totals		885					1,576,697.00	425.71	7,978.09	1,585,100.80	1,437,979.25
Sabine	1	230	тх	100%	Gas/Oil	274,117.00	274,117.00	128.83	153.51		
Sabine	2	230	тх	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Sabine	3	420	тх	100%	Gas/Oil	590,386.00	590,386.00	277.48	330.62		
Sabine	4	530	тх	100%	Gas/Oil	883,333.00	883,333.00	415.17	494.67		
Sabine	5	480	тх	100%	, Gas/Oil	877,532.00	877,532.00	412.44	491.42		
Totals		1890					2,625,368.00	1,233.92	1,470.21	2,628,072.13	2,384,146.93
Sterlington	7AB	102	LA	100%	Gas/Oil	0.00	0.00		0.00	<i>r</i> - <i>r</i> -	1
Sterlington	7C	101	LA	100%	Gas/Oil	0.00	0.00		0.00		
Totals		203					0.00		0.00	0.00	0.00
St Charles Power Station	1A		LA	100%	CCGT	1,085,429.45	1,085,429.45		607.84	0.00	0.00
St Charles Power Station	1B	926	LA		, CCGT	1,127,077.60			631.16		
Totals	10	926	E/(100 /4		1,121,011.00	2,212,507.05		1,239.00	2 214 795 04	2,009,220.00
Union Power Station ⁽⁷⁾	CT 1		٨D	100%	Can	504 512 00				2,214,765.94	2,009,220.00
		495	AR	100%		594,513.00	594,513.00		332.93		
Union Power Station	CT 2		AR	100%		566,676.00	566,676.00		317.34		
Union Power Station	CT 3	495	AR	100%		527,476.00	527,476.00		295.39		
Union Power Station	CT 4		AR	100%		508,561.00	508,561.00		284.79		
Union Power Station	CT 5	495	AR	100%		584,949.00	584,949.00		327.57		
Union Power Station	CT 6		AR	100%		603,625.00	603,625.00		338.03		
Union Power Station	CT 7	495	AR	100%		611,698.00	611,698.00		342.55		
Union Power Station	CT 8		AR	100%	Gas	612,911.00	612,911.00		343.23		
Totals		1980					4,610,409.00	2,166.89	2,581.83	4,615,157.72	4,186,800.66
Washington Parish Energy Center	CT1		LA	100%	Gas	79,068.00	79,068.00	37.16	44.28		
Washington Parish Energy Center	CT2	361	LA	100%	Gas	79,190.00	79,190.00	37.22	44.35		
Totals		361					158,258.00	74	89	158,421.01	143,717.12
Waterford	1	411	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		

Generating facility and EPA Acid Rain Unit ID	EPA Acid Rain Unit ID (Entergy ID if different)	Max capacity (MW)			Primary fuel(s)	Total unit CO2 (1)	Entergy equity share of unit CO2 emissions	Entergy share CH4 emissions from generation (2)	Entergy share N2O emissions from generation (3)	Total Facility CO2e in short tons	Total CO2e in metric tons
Waterford	4		LA	100%	Oil	1,803.00	1,803.00	0.85	1.01		
Totals		822					201,820.00	94.86	113.02	202,027.87	183,276.60
White Bluff	1	465	AR	57%	Coal	712,931.00	406,371.00	109.72	2,056.24		
White Bluff	2	481	AR	57%	Coal	1,839,829.00	1,048,702.00	283.15	5,306.43		
Totals		946					1,455,073.00	392.87	7,362.67	1,462,828.54	1,327,055.73

Totals

50,874,398.45	45,147,206	19,908	54,791
		short tons	short tons
short tons CO2	short tons CO2	CO2e	CO2e
Total unit CO2	Enteray equity	Enteray	Enteray
CO2 fro	m CEM	CH4	N2O

45,221,905.47 41,024,622.56

Total CO2e i

(1) CEM data reported to EPA Acid Rain program - can be verified at EPA's Clean Air Market's Database located at http://camddataandmaps.epa.gov/gdm/index.cfm?fuseaction=emissions.wizard&EQW_datasetSelection= (2) Emissions factor derived from CH4 (in CO2e) as percentage of emissions from CO2 for a specific fuel type. See "Emissions and Conversion Factors" for EPA emissions factors for specific fuels; emissions factor for natural gas used for all dual-fuel units as this represents the larger fuel input

(3) Emissions factor derived from N2O (in CO2e) as percentage of emissions from CO2 for a specific fuel type. See "Emissions and Conversion Factors" for EPA emissions factors for specific fuels; emissions factor for natural gas used for all dual-fuel units as this represents the larger fuel input

(4) Emission data obtained directly from the EPA's Database located at http://ampd.epa.gov/ampd/

(5) While Entergy owns 42% of Big Cajun 2 Unit 3, our actual consumption of the MWhs generated from this facility varies from 42% to 45%. CO2 emission number shown is based on actual consumption of MWhs received from Fossil Operations.

(6) During 2012, EWC (EAM Nelson Holdings, LLC) acquired 10.9% of this unit. Therefore, Entergy's overall ownership share of this unit increased to 80.9%

Additional Notes

- Emissions from Louisiana Station Plant 1 (Units 1A, 2A, 3A, 4A, 5A) are not included in the inventory; these units exist for the sole use of Exxon under a long term lease agreement.

- The following units were removed from the Inventory in 2014 - Lynch 2&3, Couch 1&2, Lake Catherine 1-3, Louisiana Station 2 (units 10-12), Ninemile 1&2, Nelson 3, Richie 1&2, and Sterlington 10. These units are either permanently retired (decommissioned in some cases) or are in extended reserve shutdown and are not expected to return to service.

- The following units were ADDED to the inventory in 2014 - Ninemile 6A and 6B - these units came online during December of 2014.

- The Acadia power plant has two units - Unit 1 (CT1 & CT2) is owned by CLECO, while Unit 2 (CT3 & CT4 as shown above) is owned by Entergy.

- Michoud Plant units removed from inventory in 2018 Inventory - the units were permanently retired in January 2016 and scheduled for demolition

Small combustion sources at all generation stations - Updated for 2024

Small stationary combustion sources were initially calculated for all known equipment co-located at generating stations using parameters (such as max energy input/hour) developed in internal emissions compliance documents and assumed equipment capacity factors.

Starting in 2013, Entergy reported the previous year's GHG (CO2e) emissions from small sources co-located at Fossil plants in compliance with the EPA Mandatory Reporting Rule (General Stationary Fuel Combustion - Subpart C).

These updated values are substituted for the older, 2005 calculations in order to be consistent with mandatory GHG reporting. Nuclear estimates continue to rely on the 2005 calculations unless otherwise noted. The Thermal assets were divested in late 2013, so these assets and emission are removed from the inventory.

Plant	CO2e Emissions reported under Mandatory Reporting Rule (short tons of all gases in 2022) [obtained from Power Generation unless otherwise noted]	CO2e Emissions reported under Mandatory Reporting Rule (metric tons of all gases in 2023) [obtained from Power Generation unless otherwise noted]	Comments	
Fossil fuel generating stations				
Attalla	0.0	0.0	No Subpart C affected sources	
Baxter Wilson	0.0			
Calcasieu	0.0	0.0	No Subpart C affected sources	
Choctaw	195.9	215.9		
Gerald Andrus	0.0	0.0		
Hinds County	575.4	634.1		
Hot Spring	0.0	0.0	No Subpart C affected sources	
Independence	716.9	790.0	(~50% ownership share)	
Lake Catherine	0.0	0.0	No Subpart C affected sources	
Lewis Creek	1,369.3	1,508.9		
Little Gypsy	718.5	791.8		
RS Nelson	228,850.5	252,193.3	(80.9% ownership share)	
New Orleans Power Station	154,182.3	169,908.9		
Ninemile Point	3,035.9	3,345.6		
Ouachita	1,309.9	1,443.5		
Perryville	3,766.8	4,151.0		
Rex Brown	0.0	0.0	Retired in 2011	
Sabine	0.0	0.0		
St Charles	1,759,574.4	1,939,051.0		
Union	0.0	0.0	No Subpart C affected sources	
Waterford	0.0	0.0	No Subpart C affected sources	
White Bluff	1,527.5	1,683.3	(57% ownership share)	
Power Gen TOTAL	2,155,823.4			

2024 Generator Data								
Source	lbs CO2e	short tons CO2e	metric tons CO2e	Description				
Power Through	1,898,623.62	949.31	861.20	Power Through is a backup power option for customers				
Power Delivery	7,214,057.58	3,607.03	3,273.17	Power Delivery & Service Centers backup generators				
Total	9,112,681.20	4,556.34	4,134.37					

Nuclear generating stations ⁽²⁾⁽³⁾	Plant total small sources CO2e (short tons using 2005 estimate calculations)
River Bend	306.3
Waterford 3	2,991.6
Grand Gulf	434.4
Arkansas Nuclear 1&2	2,337.2
Nuclear TOTAL (short tons)	6,069.5
All small source totals	2,166,449.2

All small source totals

(1) Estimated based on average of other units

(2) Vermont Yankee entered decommission status and did not operate beginning in 2016. Has been removed.
 (3) James Fitzpatrick was sold in 2017 and has been removed
 (4) Mablevale, Michoud, and Willow Glenn removed from inventory in 2018 since units have been retired, demolished, or scheduled for demolition.

(5) Harrsion County and NISCO removed from inventory in 2018 since Entergy has no equitiy share in ownership. Entergy only operates these units.
 (6) Pilgrim ownership was transferred to Holdtec on 8/26/2019. Pilgrim has been removed for the 2020 inventory.

Direct Emissions of Escaped SF6 in Electricity T&D System ("Fugitive Emissions")

Note: The information below was as reported to the EPA under Subpart DD of the Mandatory GHG Reporting Rule.

More detail on the specific data collection methods, and the calculation methology, can be found in the GHG Monitoring Plan required by the EPA Mandatory Reporting Rule.

2023 Fugitive SF6 Emissions Estimate									
Global Warming Potential (GWP) (2)	Total CO2 Equivalent Emissions (short tons)	Total CO2 Equivalent Emissions metric tons)							
22,800	99,180.0	89,974.5							
	Global Warming Potential (GWP) (2)	Global Warming Potential (GWP) (2) Growthing (Short tons)							

(1) Converted 8,699.35 lbs SF6, which was the amount reported for 2023

Direct Emissions from fossil fuel usage for company mobile fleet ("Mobile Combustion")

Beginning in 2013, the GWP for N2O and CH4 was modified based on the EPA final rule effective 1/1/14.

Fuel Description	Fuel Code	Units consumed (gal)	Assumptions/Comments
Diesel	D	3,162,466	Based on 2024 Entergy data, it is assumed that
Gasoline	G	1,231,106	totals for all bi-fuel categories are split at a 90/10 ratio between constituent fuel types and are calculated as such. Bi-fuels are separated below
BiFuel-Gasoline/Ethanol	s	910,897	into its constituent fuel type category and emissions calculated. Green Plug-In (JEMS)
BiFuel-Gasoline/CNG	A	0	units run on diesel on the highway and electricity
BiFuel-Gasoline/LPG	в	34	on the job site.
BiFuel-Diesel/Electricity	F	0	CNG is measured in Gallons of Gasoline
Propane	Р	68	Equivalency or GGE. One gallon of CNG or GGE
CNG	с	8	has the same energy value as a gallon of gasoline.
LPG	L	315	gacomer
Green Plug-In JEMS	J	78,678	"Unknown" split evenly (50/50) between diesel and gasoline.
BiFuel-Gasoline/Electricity	н	153	and gasonne.
Electricity		229	Total 2024 Fuel purchases
Unknown	-	0	
Jet fuel		316,431	Total 2024 Fuel Purchase
Total gallons consumed		5,700,385	

Total units of each fuel type				CO2 using E Leade		CO2 using WRI/WBCSD Protocol Efs	
Fuel	Total units consumed (GALLONS) - from inputs above	conversion to energy content (MMBtu/gallon)	Total MMBtu consumed	Emissions Factor (Ibs CO2/MMBtu)	Total CO2 Emissions (short tons)	Emissions Factor (kg CO2/Gallon)	Total CO2 Emissions (short tons)
Diesel	3,241,144	0.1387	449,547	159.68	35,892	10.15	36,263
Gasoline	2,051,097	0.1251	256,592	156.44	20,071	8.81	19,919
Ethanol (E85)	91,090	0.0843	7,679	149.59	574	5.56	558
CNG	8	0.1251	1	116.41	0	See note	0
LPG	318	0.092	29	138.76	2	5.79	2
Propane	68	0.092	6	138.32	0	5.79	0
Jet fuel	316,431	0.135	42,718	154.72	3,305	9.57	3,338
Totals	5,700,156		756,572		59,844		60,080

Note: Emissions from Ethanol are considered "biogenic" emissions are do not contribute to net CO2 additions to the atmosphere. They are include with fossil fuel CO2 because it is de minimus.

Regarding CNG, no SCF measurement is available; used the EPA CL number as a proxy.

Direct Emissions of N2O and CH4 from mobile fleet ("Mobile Combustion")

The calculation below uses conservative N2O and CH4 emissions factors to estimate these emissions from mobile sources. The emissions factors are from EPA Climate Leaders Guidance for construction vehicles.

NOTE - Emission factors for these gases were not available for all fuel types - a conservative approach was used by using the emission factor for diesel.

	N2O	from mobile sour	ces		
N2O	gallons consumed	g N2O/gal fuel	total kg N2O	short tons	CO2e short tons
Gasoline	2,051,097	0.22	451.24	0.507	151.01
Diesel	3,241,144	0.26	842.70	0.946	282.01
Jet Fuel	316,431	0.26	82.27	0.092	27.53
Propane	68	0.26	0.02	0.000	0.01
CNG	8	0.26	0.00	0.000	0.00
LPG	318	0.26	0.08	0.000	0.03
Ethanol	91,090	0.26	23.68	0.027	7.93
total					468.51
	CH4	from mobile sou	ces		
CH4	gallons consumed	g CH4 /gal fuel	total kg CH4	short tons	CO2e short tons
Gasoline	2,051,097	0.50	1,025.55	1.152	28.79
Diesel	3,241,144	0.58	1,879.86	2.111	52.78
Jet Fuel	316,431	0.58	183.53	0.206	5.15
Propane	68	0.58	0.04	0.000	0.00
CNG	8	0.58	0.00	0.000	0.00
LPG	318	0.58	0.18	0.000	0.01
Ethanol	91,089.70	0.58	52.83	0.059	1.48
total					88.21
Total N2O and CH4 CO2e]				556.73
Total Entimated Emission	o from Mobilo	Sources (she	(t tono CO2o)		60 627
Total Estimated Emission	is from Mobile	Sources (sho	t tons CO2e)		60,637

Direct Emissions of Fugitive HFCs in all utility cooling and A/C equipment

This sheet contains calculations for all sources of fugitive HFCs. HFCs from all sources are considered de minimus (i.e. insignificant in the Entergy corporate total). The activity data required to provide the highest level of accuracy is difficult and impractical to obtain for such a small source. Instead, emissions factors have been created based on national averages for a number of variables to provide a rough estimate of these emissions. The methodology behind these emissions factors is found below.

These CO2e totals are calculated using data, provided by Real Estate as of December 31, 2016, that does not change significantly between inventory years. These same data and emissions totals are used each year.

2010 Update - Facilities indicates that there is no significant change to these numbers; therefore, these numbers will continue to be carried forward each year. 2013 Update - carried historical data forward; however, updated the GWP consistent with an EPA final rule that became effective on 1/1/14. 2014 Update - removed the Thermal Operations facilities, as these were sold in late-2013. 2015 Update - No changes made 2016 Update - Values updated as of December 31, 2016 2017-2020 Update - Update Entergy owned space & capital lease space 2024 Update - Warehouse space accounted for at 20% estimated to be air conditioned

	square footage air- conditioned	EF: fugitive HFCs (short tons CO2e/sq ft) *	Facility fugitive HFC (short tons CO2e)
Mississippi	956,476	0.00078	746
Arkansas	959,545	0.00078	748
Louisiana	1,465,520	0.00078	1,142
New Orleans	182,699	0.00078	142
Texas	702,210	0.00078	547
ESI	488,272	0.00078	381
Total Fugitive HFCs	4,754,722		3,706.23
Generation plant space assume	s 50 000 sg ft per plant: 28 i	plants assumed	

 Total Fugitive HFCs
 4,754,722

 Generation plant space assumes 50,000 sq. ft. per plant; 28 plants assumed.

From Nuclear facility

			Facility fugitive HFC (short tons CO2e)								
	0	1300	0								
Entergy nuclear facilities do not use HF	Cs for cooling										
From all Entergy-owned vehicles											
	T		E 100 (101 11EO								

	Total CO2 from	EF: HFC as % of CO2	Facility fugitive HFC	
	mobile sources	emissions **	(short tons CO2e)	
	(short tons)			
Vehicular A/C	60,637	3.50%	2,122	
Total CO2 from all mobile source fuels	ore included			

Total CO2 from all mobile source fuels are included

Total fugitive HFC emissions

5,829 short tons CO2e

* Calculation for estimating fugitive HFC emissions from building space using A/C

The calculation used in calculating the emissions factor for metric tons of CO2e fugitive HFC.	Average cooling capacity of chiller (ft2/ton of cooling capacity)	HFCs in chiller (kg HFC/tons of cooling)	Annual HFC loss factor (percent)		Total Annual HFC losses (MT C02e)/1000 ft2	Total Annual HFC losses (MT CO2e)/ ft2	Total Annual HFC losses (short tons CO2e)/ ft2
	280	1.2	15%	0.000642857	0.71	0.00071	0.00078
	Source: ASHRAE (http://www.them.der mottgroup.com/New sworthy/HVAC%20Is sues/Rule%200%200 Thumb%2020%200 Thumb%2020%200 Note that this is a conservative estimate - a reasonably designed building should be more like 400		Source: EPA Climate Leaders Gudance, January 2004. Note: This estimate is the source of the greatest uncertainty in the calculation, since the range is 2-15%, and the average is probably more like 5%.		This is the emissions factor that is applied to the square bodge of air-conditioned space. This EF includes the global warming potential for HFC 134a (1,100).	 Emissions factor for MT CO2e per ft2. 	Emissions factor for short tons CO2e per ft2; conversion factor 1.1023

Calculation to estimate HFCs from mobile A/C as percentage of CO2 emissions from mobile sources using national averages for equipment leakage and miles/gallon

Emissions Estim	nate				Emissions factor		
HFC capacity (kg	annual leakage rate	CO2 emissions (kg	Miles per gallon	Miles per year	Emission factor	CO2 Emissions	Emissions factor: HFC
HFC)	(percentage)	CO2e/yr-veh);			(kg CO2/gal)	(kg CO2/yr-veh)	emissions (CO2e) to CO2
		GWP=1100					(as %)
0.8	20%	176	20	15,000	8.87	6,653	2.6%
1.2	20%	264	15	15,000	8.87	8,870	3.0%
I	HFC capacity (kg HFC)	HFC capacity (kg HFC) (percentage) 0.8 20%	IFC capacity (kg annual leakage rate (percentage) CO2 emissions (kg CO2elyr-veh); GWP=100 0.8 20% 176	HFC) (percentage) CO2e/yr-veh); GWP=1100 0.8 20% 176 20	IFC capacity (kg annual leakage rate CO2 emissions (kg Miles per gallon Miles per year IFC (percentage) CO2 epiv-veh); GWP=1100 Miles per gallon Miles per year 0.8 20% 176 20 15,000	IFC capacity (kg (PFC) annual leakage rate (percentage) CO2 emissions (kg CO2/eyr-veh); GWP=1100 Miles per gallon Miles per year Emission factor (kg CO2/gal) 0.8 20% 176 20 15,000 8.87	IFC capacity (kg (PC) annual leakage rate (percentage) CO2 emissions (kg CO2 emissions (kg CO2)/r-veh); GWP=1100 Miles per gallon Miles per year Emission factor (kg CO2)/gail (kg CO2)/r-veh); CO2 Emissions (kg CO2)/r-veh); 0.8 20% 176 20 15,000 8.87 6,653

ETRFossilRenewablePortfolio_6.9.2021.xlsx (entergy.com)

Emissions from natural gas	from T&D operations
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The calculation for Gas Operations below is based on as reported data from the GHG Summary Report for 2023. The Spindletop Gas Storage facility emissions are calculated using GRI emission factors (see notes below).

Gas Operations	CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons) Subpart W, Fugitive	emissions (short
Entergy Louisiana, L.L.C. Gas Business	#	11,438.1
Entergy New Orleans, Inc. Gas Business	#	12,937.2
SUB-TOTAL		24,375.3

Reported Natural Gas Release	Short tons natural gas	CO2 Equivalent Emissions
SUB-TOTAL		0

Spindletop Storage										
Storage facilities	# storage facilities	Emissions factor (metric ton CH4/station-yr)	Total metric tons CH4	Total short tons CH4	Total short tons CO2e (Cell E x 25)	This category is carried forward from previous years				
Fugitive Emissions from Storage Facilities	1	675.4	675.40	744.50	18,612.50	See note 3				
Vented Emissions from Storage Facilities	1	217.3	217.30	239.53	5,988.30	See note 4				
SUB-TOTAL					24,600.80					

TOTALS FROM FUGITIVE NATURAL GAS

48,976 short tons CO2e

GENERAL NOTES:

- Source for emissions factors by equipment type is the Gas Research Institute (GRI), which provides factors in metric units only.

SPECIFIC NOTES:

(1) Compressors are assumed to be for natural gas transmission, not storage.

(2) general emissions factor used for vented gas; GRI provides emissions factors for specific equipment venting.
 (3) EF from API Table 6-1, (American Petroleum Institute), Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Gas Industry. February 2004).
 (4) EF from GRI

Purchased Goods and Services - 2024

						CO2		CH4		N2O	Ot	ner GHGs	CO2e	CO2e	CO2e
					Emission		Emission	Emissions	Emission		Emission	Emissions			
Industry/Commodity	202	4 Spend	Infla	tion Adjustment	Factor	Emissions (kg)	Factor	(kg)	Factor	Emissions (kg)	Factor	(kg)	kg	short tons	metric tons
Administrative and															
support services	\$	236,857,643.68	\$	208,434,726.44	0.088	18,342,255.93	0.001	208,434.73	0	0.00	0.004	833,738.91	24,386,862.99	26,881.46	24,386.45
Chemical products	\$	44,527,888.00	\$	39,184,541.44	0.282	11,050,040.69	0.001	39,184.54	0	0.00	0.01	391,845.41	12,421,499.64	13,692.13	12,421.29
Computer and															
electronic products	\$	226,760,532.05		199,549,268.20	0.043	8,580,618.53	0	0.00	0	0.00	0.004	798,197.07	9,378,815.61	10,338.20	9,378.66
Construction	\$	81,267,145.86	\$	71,515,088.36	0.259	18,522,407.88	0.002	143,030.18	0	0.00	0.02	1,430,301.77	23,528,464.07	25,935.26	23,528.07
Electrical equipment,															
appliances and															
components	\$	447,461,376.74	\$	393,766,011.53	0.197	77,571,904.27	0.001	393,766.01	0	0.00	0.011	4,331,426.13	91,747,480.69	101,132.58	91,745.94
Fabricated metal															
product	\$	5,939,738.87		5,226,970.21	0.225	1,176,068.30	0.001	5,226.97	0	0.00	0.008	41,815.76	1,348,558.31	1,486.51	1,348.54
Machinery	\$	54,007,330.62	\$	47,526,450.95	0.167	7,936,917.31	0.167	7,936,917.31	0	0.00	0.043	2,043,637.39	208,403,487.40	229,721.66	208,399.98
Miscellaneous															
professional, scientific,															
and technical services	\$	137,982,155.74	\$	121,424,297.05	0.109	13,235,248.38	0.001	121,424.30	0	0.00	0.004	485,697.19	16,756,552.99	18,470.63	16,756.27
motor vehicles, bodies							0.001				0.019				
and trailers	\$	99,874,950.59	\$	87,889,956.52	0.174	15,292,852.43		87,889.96	0	0.00	0.010	1,669,909.17	19,160,010.52	21,119.94	19,159.69
Petroleum and coal					0.755										
products	\$	25,235,576.20		22,207,307.06		16,766,516.83	0.018	399,731.53	0	0.00	0.005	111,036.54	26,870,841.54	29,619.53	26,870.39
Utilities	\$	1,005,049,111.01	\$	884,443,217.69	2.884	2,550,734,239.81	0.005	4,422,216.09	0	0.00	0.01	8,844,432.18	2,670,134,074.20	2,943,269.48	2,670,089.16
Waste management															
and remediation	\$	73,907,820.61	\$	65,038,882.14	0.274	17,820,653.71	0.044	2,861,710.81	0	0.00	0.013	845,505.47	90,208,929.52	99,436.65	90,207.41
Total	\$:	2,438,871,269.97	\$	5,585,015,208.23		2,757,029,724.07		16,619,532.42		0.00		21,827,542.98	3,194,345,577.48	3,521,104.03	3,194,291.85

Capital Goods - 2024

				CO2			CH4		N2O	Ot	her GHGs	CO2e	CO2e	CO2e
				Emission		Emission		Emission		Emission				
Industry/Commodity	202	4 Spend	Inflation Adjustment	Factor	Emissions (kg)	Factor	Emissions (kg)	Factor	Emissions	Factor	Emissions	(kg)	(Short Tons)	(Metric Tons)
Administrative and														
support services	\$	72,141,809.96	\$ 63,484,792.76	0.088	5,586,661.76	0.001	63,484.79	0	0.00	0.004	253,939.17	7,427,720.75	8,187.52	7,427.60
Chemical products	\$	331,366,847.04	\$ 291,602,825.40	0.282	82,231,996.76	0.001	291,602.83	0	0.00	0.01	2,916,028.25	92,438,095.65	101,893.84	92,436.54
Computer and	•			0.040	0.075.007.00		0.00		0.00	0.004	770 400 40	0.454.407.05	40.000.00	0.454.07
electronic products	\$	221,335,281.74			8,375,327.06	0	0.00	0	0.00	0.004	779,100.19	9,154,427.25	10,090.86	
Construction	\$	320,972,955.03	\$ 282,456,200.43	0.259	73,156,155.91	0.002	564,912.40	0	0.00	0.02	5,649,124.01	92,928,089.94	102,433.96	92,926.53
Electrical equipment, appliances and														
components	\$	425,368,666.87	\$ 374,324,426.85	0.197	83,797,627.37	0.001	374,324.43	0	0.00	0.011	4,117,568.70	97,273,306.74	107,223.66	97,271.67
Fabricated metal														
product	\$	2,824,803.15			635,580.71	0.001	2,485.83	0	0.00	0.008	19,886.61	717,612.99	791.02	717.60
Machinery	\$	11,160,965.23	\$ 9,821,649.40	0.167	1,863,881.19	0.167	1,640,215.45	0	0.00	0.043	422,330.92	43,291,598.37	47,720.02	43,290.87
Miscellaneous professional, scientific,														
and technical services	\$	544,898,571.78	\$ 479,510,743.17	0.109	52,266,671.01	0.001	479,510.74	0	0.00	0.004	1,918,042.97	66,172,482.56	72,941.45	66,171.37
motor vehicles, bodies and trailers	s	18,174,325.44	\$ 15,993,406.39	0.174	2,782,852.71	0.001	15,993.41	0	0.00	0.019	303.874.72	3,486,562.59	3,843.21	3,486.50
Petroleum and coal products	s	662.260.61		0.755	440.005.95	0.018	10.490.21	0	0.00	0.005	2.913.95	705.175.10	777.31	705.16
Utilities	\$	899,014,666.57	\$ 791,132,906.58	2.884	2,592,758,298.39	0.005	3,955,664.53	0	0.00	0.01	7,911,329.07	2,699,561,240.78	2,975,706.84	2,699,515.83
Waste management and remediation	\$	77,938,093.46			18,792,433.10	0.044	3,017,762.98	0	0.00	0.013	891,611.79	95,128,119.35	104,859.04	
Total	Ś	2,925,859,246.88	\$ 2,574,756,137.25		2,922,687,491.92		10,416,447.59		0.00		25,185,750,35	3,006,336,098.48	3,313,862.54	

Total CO2		Total CH4		Total N20		Total Other GHGs		Total Co2e		
5,679,717,215.99	kg	27,035,980.01	kg	0.00	kg	47,013,293.34	kg	5,753,766,489.33	kg	
6,260,711.22	short tons	29,801.57	short tons	0.00	short tons	51,822.41	short tons	6,342,335.20	short tons	
5,681,226.15	metric tons	27,043.16	metric tons	0.00	metric tons	47,025.78	metric tons	5,755,295.10	metric tons	

Sources Emissions Factors Spend Category Reference

SupplyChainEmissionFactorsforUSIndustriesCommodities.xlsx (live.com)

 Spend category
 APPENDIX 3 - INDUSTRY AND COMMODITY REFERENCE LISTS.PDF

 Inflation Adjustment Unter GHGs (from EPA)
 Internal 2024 Conversion Factor of 0.880 was used to adjust 2024 sp Other GHGs GWP-100 Factors Unit

Other GHGs	GWP-100 Factors	Unit
butane,	10300	kg CO2 eq.
perfluorocyclo-, pfc- 318	10500	ng co2 eq.
ethane, 1,1,1- trifluoro-, hfc-143a	4470	kg CO2 eq.
ethane, 1,1,1,2- tetrafluoro-, hfc-134a	1430	kg CO2 eq.
ethane, hexafluoro-, hfc-116	12200	kg CO2 eq.
ethane, pentafluoro-, hfc-125	3500	kg CO2 eq.
methane, difluoro-, hfc-32	675	kg CO2 eq.
methane, tetrafluoro- , r-14	7390	kg CO2 eq.
methane, trifluoro-, hfc-23	14800	kg CO2 eq.
nitrogen fluoride propane, 1,1,1,3,3,3-	17200	kg CO2 eq.
hexafluoro-, hcfc- 236fa	9810	kg CO2 eq.
propane, perfluoro- sulfur hexafluoride	8830 22800	kg CO2 eq. kg CO2 eq.

	e utility customers						
ontrollable power purchases	2024					202	
					· · · · · ·	202	4
					Unit/Plant-Specific Emission Factor (Ibs CO2/MWh).	CO2 emissions	
					Based on Total Output [from eGRID2023 data,	from puchased power (short tons) [using eGRID Unit-	
ode	Plant description	FACILITY CODE (SPO)		Total Entergy purchased from plant (MWh)	accessed 03/10/2025 unless otherwise noted	Specific Factors (when available)]	
		x	LA	68.316 110.985	106.4	3.634.4	
		x	LA	2.953.642	769.2	1.135.951.5	
		x	LA	835.156			
		ž	LA TX	104.225 6,247			
		x	LA	2,402,076	834.155	1,001,851.9	
		x	LA	23,240	-		
		×	LA	45,395 153,604			
		x	AR TX	153,604 325,780	ι <u>·</u>		
		x	LA	213,581			
			LA	85.640			
and a			LA	6.177			
otals		1	-	7.334.064		2.141.437.8	short tons CO2
20 emissions from controlled purchases	(SERC MS Valley Total Output Rate, eGRID2023)	L	L	0.006		7.026.5	short tons CO2e
H4 emissions from controlled purchases ((SERC MS Valley Total Output Rate, eGRID2023) ID subregions; however, impact to the overall GHG inventory is expected to be negligible.				lbs/MWh	3,850.4	short tons CO2e
tal CO2e from Controllable Purchases					TOTAL	2,152,314.7	short tons CO2e
direct Emissions associated with purch	hased power	Totalpchsd power		Loss factor	Total power lost		
		MWh 21.172.139		% 3.080%	MWh 652.009	100.077.0	short tons CO2
CO2 emissions from T&D losses of purchas CH4 emissions from T&D losses of purchas	sed power on Entergy system	21.172.139		3.000%	652.009		short tons CO2
N2O emissions from T&D losses of purchas	sed power on Entergy system					624.7	short tons CO2e short tons CO2e
12O emissions from T&D losses of purcha	sed power on Entergy system				TOTAL	624.7	short tons CO2e short tons CO2e
20 emissions from T&D losses of purcha	sed power on Entergy system Purchased & Market F				TOTAL	624.7	short tons CO2e
20 emissions from T&D losses of purchas	sed power on Entergy system Purchased & Market F	CO2 Emissions	CH4 Emissions	N2O Emissions		624.7 191,344.0	short tons CO2e
20 emissions from T&D losses of purchase	eed power on Entergy system Purchased & Market F MWh	CO2 Emissions (ST)	(ST CO2e)	N2O Emissions (ST CO2e) 7.027	TOTAL Total CO2e (ST) 2 152 314 71	624.7 191,344.0 Total CO2e (MT)	short tons CO2e
20 emissions from T&D losses of purchas urchase Type ontrollable Purchases	Purchased & Market F NWN 7 234.064 13.058.075	CO2 Emissions (ST) 2,141,438 7,849,233	(ST CO2e) 3,850.4 7,265.0	(ST CO2e) 7,027 13,258	Total CO2e (ST) 2,152,314.71 7,869,755.60	624.7 191,344.0 Total CO2e (MT) 1,952,547.62 7,139,324.23	short tons CO2e
20 emissions from T&D losses of purchas urchase Type ontrollable Purchases ncontrollable (Market) Purchases	Marchased & Market F Purchased & Market F 17334.024 13,66,877 21,172,133	CO2 Emissions (ST) 2,141,438 7,849,233 9,990,671	(ST CO2e) 3,850.4 7,265.0 11,115	(ST CO2e) 7,027	Total CO2e (ST) 2,152,314.71	624.7 191,344.0 Total CO2e (MT) 1,952,547.62	short tons CO2e
20 emissions from T&D losses of purchas urchase Type ontrollable Purchases controllable (Market) Purchases Wh Market Purchases provided by intern	Purchased & Market F Number 2, 2004 1, 2004 1	CO2 Emissions (ST) 2,141,438 7,849,233 9,990,671	(ST CO2e) 3,850.4 7,265.0 11,115	(ST CO2e) 7,027 13,258	Total CO2e (ST) 2,152,314.71 7,869,755.60	624.7 191,344.0 Total CO2e (MT) 1,952,547.62 7,139,324.23	short tons CO2e
20 emissions from T&D losses of purchas urchase Type ontrollable Purchases controllable (Market) Purchases IWh Market Purchases provided by interna	Purchased & Market F Purchased & Market F VWN. 7,23,43,64 13,688,075 21,172,13 al System Planning and Operations learn. starting in 2024, used MSD deriv ses	C02 Emissions (ST) 2,141,438 7,849,233 9,990,671 ed marginal emission	(ST CO2e) 3,850.4 7,265.0 11,115	(ST CO2e) 7,027 13,258	Total CO2e (ST) 2,152,314.71 7,869,755.60	624.7 191,344.0 Total CO2e (MT) 1.962,547.62 7.139,324 9.091,871.85	short tons CO2e
20 emissions from T&D losses of purchas urchase Type ontrollable Purchases controllable (Market) Purchases Wh Market Purchases provided by intern	Purchased & Market F Number 2, 2004 1, 2004 1	C02 Emissions (ST) 2,141,438 7,849,233 9,990,671 ed marginal emission	(ST CO2e) 3,850.4 7,265.0 11,115	(ST CO2e) 7,027 13,258	Total CO2e (ST) 2,152,314.71 7,869,755.60 10,022,070.31	624.7 191,344.0 Total CO2e (MT) 1.962,547.62 7.139,324 9.091,871.85	short tens CO2e
20 emissions from T&D losses of purchas urchase Type ontrollable Purchases controllable (Market) Purchases Wh Market Purchases provided by intern	Purchased & Market F Purchased & Market F VWN. 7,23,43,64 13,688,075 21,172,43 al System Planning and Operations learn. starting in 2024, used MSD deriv ses	C02 Emissions (ST) 2,141,438 7,849,233 9,990,671 ed marginal emission	(ST CO2e) 3.850.4 7.265.0 11,115 rate to estimate CO2 emissions	(ST CO2e) 7,027 13,256 20,284	Total CO2e (ST) 2, 152,314,71 7, 969,756,10 10,022,070,31 10,022,070,31	624.7 191,344.0 Total CO2e (MT) 1.962,547.62 7.139,324 9.091,871.85	short tens CO2e
20 emissione from T&D losses of purchat workste Type controllable Purchases monotrollable Authority Purchases monotrollable Market Purchases monotrollable market purcha	Purchased & Market F Purchased	CO2 Emissions (ST) (ST) 2,141,438 7,649,233 9,990,671 ag.900,671 ag.900,671 a	(ST CO2e) 3,850 4 7,265 0 11,115 rate to es\$mate CO2 emissions short tons	(ST CO2e) (027 13.258 20.284 20.284 CH4 emissions shor	Total CO2e (ST) 2, 152, 314, 77, 570 7, 689, 755, 570 10, 622, 070, 31 10, 622, 070, 31	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO	short tens CO2e
20 emissions from TAD losses of purchat schate Type controllable Purchates constrollable Market Purchates constrollable Market Purchates constrollable market purchat fise fise tion	Purchased & Market P Purchased & Market P VWN 1,234,064 1,3,658,075 2,147,113 al System Planning and Operations learn; starting in 2024, used MICO denv tess Entergy offices outside of service territory emils Sign P1. 554.00 555.	CO2 Emissions (ST) 	(ST CO2e) .850.4 7.265.0 .11.115 rate to estimate	(ST CO2e) 7 027 13 258 20 284 20 284 CH4 emissions shor 1.57	Total CO2e (ST) 2, 152, 314, 75 7, 869, 750 10, 922, 970, 31 10, 922, 970, 31 TOTAL N20 Emissions (LDM	624.7 191,344.0 Total CO2e (MT) 7.192,547.02 7.193,324.23 9.091,871.85 2.343,658.67 Total emissions CO 80.75	short tens CO2e short tens CO2e short tens CO2e tetal emissions metric tens CO2e
20 emissions from T&D losses of purchat urchate Type urchateItype urch	Purchased & Market F Purchased	CO2 Emissions (ST) .7.41.4.38 7.7.44.28 7.7.44.28 3.7.64.29 4.9.990.671 ad marginal emission ad marginal emission Approx energy consumption (Mwh),	(ST CO2e) 3,850.4 7,265.0 11,115 rate to estimate CO2 emissions short tons 73.16011079 82.38342603	15T CO2e) 7.027 13.258 20.284 20.284 CH4 emissions shor 1.57 1.57	Total CO2e (ST) 2 (52,314,71 7 (89) 755.00 10,622,070.31 TOTAL N20 Emissions (LSM) 0.02 0.02	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
20 emissione from T&D losses of purchat urchate Type urchateB Type urchateB Type urchateB Market Purchases noordrollable Market Purchases noordrollable Market Purchases for uncontrollable market purcha the set of the set	Purchased & Market F Purchased	CO2 Emissions (ST) 	(ST CO2e) .850.4 7.265.0 .11.115 rate to estimate	(ST CO2e) 7 027 13 258 20 284 20 284 CH4 emissions shor 1.57	Total CO2e (ST) 2 (52,314,71 7 (89) 755.00 10,622,070.31 TOTAL N20 Emissions (LSM) 0.02 0.02	624.7 191,344.0 Total CO2e (MT) 7.192,547.02 7.193,324.23 9.091,871.85 2.343,658.67 Total emissions CO 80.75	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
20 emissions from TAD losses of purchat rchase Type rchase Type controllable Purchases controllable Market Purchases controllable Market Purchases rowned to the the text of t	Purchased & Market F Purchased	CO2 Emissions (ST) 2.141 (35) 7.244 233 7.2449 233 9.995,671 9.995,671 at marginal emission at the marginal emission at	IST CO2e) 3.850.4 7.2550. 11,15.10 Trate to estimate CO2 emissions short tons 70:100.1079 20:380.2001079 20:380.2001079 10:1.5435.060 Total Power	18T CO2e) 7.027 13.258 20.284 20.284 CH4 emissions shor 1.57 1.955 3.62 Losses & Company Usace	Total CO2e (ST) 2 (52 314 /1 7,899 765 60 19,922 079.31 TOTAL N20 Emissions (LMW 0.02 0.04 %Lost	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
20 emissions from T&D losses of purchat controllable Purchases constrollable Purchases constrollable Market Purchases constrollable Market Purchases monotrollable Market Purchases files files file file file file file file file file	Purchased & Market F Purchased & Market F Purchased & Market F Purchased & Market F Comparison of the second s	C02 Emissions (8T) 2,141,435 7,849,233 9,990,671 d marginal emission 4,990,671 0,990,670,670,670 0,990,670,670,670,670,670,670,670,670,670,67	(eT CO2e) 3.850.4 7.2650.4 11.115 rate to estimate CO2 emissions short tons r3.1611/0328 (10.1543368 Total Power 31.612	IST CO2e1 7.027 13.258 20,284 20,284 CH4 emissions short 1.87 1.87 1.95 3.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95	Total CO2# (ST) 2 (52 314 /1) 7 999 756 50 10.622.070.31 TOTAL N20 Emissions (LMM N20 Emissions (LMM 0.02 0.02 0.02 0.04	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
20 emissions from TAD losses of purchat archate Type charter Type controllable Market Purchases constrollable Market Purchases constrollable Market Purchases constrollable Market Purchases constrollable Market Purchase file constrollable Market Purchase constrollable market purcha constrollable	Purchased & Market T Purchased	C02 Emissions (ST) (ST) 2,141,433 7,649,233 9,996,671 9,996,71 9,996,71 9,996,71 9,996,71 9,996,71 9,996,71 9,996,71 9,996,71 9,996,71 9,996,71 9,997,90 9,99	(ET CO2e) 3,850.4 7,2650.0 11,119 rate to estimate CO2 emissions short rons 1015435388 1015435388 Total Power 2012 06.266	IST CO2e) 7.027 13.258 20.284 20.284 20.284 20.284 20.284 20.284 20.284 20.284 1.57 3.52 1.57 3.52 1.57 3.52 1.57 3.52 1.57 3.52 1.57 1.57 1.57 1.57 1.57 1.57 1.57 1.57	Total CO2e (6T) 2 (52 3)4 71 7,899,755,60 19,922,079,31 TOTAL N20 Emissions (Lb/M 0.02 0.	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
O emissions from TAD losses of purchat refuestor from TAD losses of purchat refrestation of the temperature of te	Purchased & Market F Purchased & Monte A Purchased & Purchased & Purchased & Purchased Purchased & Purchased	C02 Emissions (81) 2,141,435 2,484,233 2,484,233 4,084,233 2,484,233 2,484,234 2,484,234 2,484,234 2,484,234 2,484,234 2,484,234 2,414,52 2,41	(ET CO2e) 3,850.4 7,265.0 15,11 7,1111 7,1111 7,1111 7,111	IST CO2e1 7.027 13.258 20.284 20.284 20.284 1.57 1.57 3.52 1.55 3.52 Losses & Company Ubacompany 1.56 .665	Total C02# (5T) 2,1(2,314,71 7,869,756,60 10,022,070,31 10,022,070,31 10,022,070,31 10,022,070,31 10,022,070,31 10,022,070,31 0,022 0,02 0,	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
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20 emissions from T&D losses of purchat activates Type controllable Market/ Purchases constrollable Market/ Purchases constrollable Market/ Purchases constrollable Market/ Purchases files file	Purchased & Market F Purchased & Market F Purchased & Market F Purchased & Market F Provide Comparison of Comparison Comparison of Comparison Compariso	CO2 Emissions (ST) 7.452.233 9.999.671 ed marginal emission admarginal emission (Mwh), 279.16 279.16 279.16 9.71.55 279.16 11.229 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.23	(ST CO2e) 3,850,4 7,2850,4 11,115 rate to estimate CO2 emissions short rons Short rons 7,9160/1079 62,38242603 161,5435466 Total Power Total Power 16,6833 16,6933 16,69	IST CO2e1 7.027 13.258 20.284 20.284 20.284 1.57 1.57 1.52 3.52 3.52 1.57 1.57 1.52 3.52 3.52 3.52 3.52 3.52 1.56 1.56 1.98 1.98	Total CO2# (5T) 2, 152,314,71 7,860,755,60 19,622,070,31 10,622,070,31 10,622,070,31 10,622,070,31 10,622,070,31 10,623,072,1 0,03535721 0,044 %Lott 0,044 %L	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
20 emissione from T&D losses of purchat 20 emissione from T&D losses of purchat urchate Type controllable Purchases constrollable Markel Purchases constrollable Markel Purchases constrollable market purcha file file file controllable market purcha file controllable controllable file controllable controllable file file controllable file fil	Purchased & Market P Purchased & Market P Vom 13,858,075 21,72,13 U System Planning and Operations learn; starting in 2024, used MGO denv sees Entergy offices outside of service territory emils Say P Entergy offices outside of service territory emils Say P Entergy offices outside of service territory emils Say P Entergy offices outside of service territory emils Say P 20 cmmaly utes, ERCOT tor Auton and SERC Virgens Caroline for CC office. Caroline 1, 24,664 1, 24,674 1, 2	CO2 Emissions (ST) 7.452.233 9.999.671 ed marginal emission admarginal emission (Mwh), 279.16 279.16 279.16 9.71.55 279.16 11.229 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.23	(87 CO2e) 3,850.4 7,2650.4 11,119 rate to estimate 11,119 cate to estimate 10,119 10,1	IST CO2e1 7.027 13.258 20.284 20.284 20.284 1.57 1.57 1.52 3.52 3.52 1.57 1.57 1.52 3.52 3.52 3.52 3.52 3.52 1.56 1.56 1.98 1.98	Total CO2# (5T) 2, 152,314,71 7,860,755,60 19,622,070,31 10,622,070,31 10,622,070,31 10,622,070,31 10,622,070,31 10,623,072,1 0,03535721 0,044 %Lott 0,044 %L	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e
20 emissione from T&D losses of purchat workstee Type controllable Purchases focordrollable Marked Purchases focordrollable Marked Purchases focordrollable Marked Purchases focordrollable Marked Purchases focordrollable market purchat works for uncontrollable market purcha works for uncontrollable market purcha for uncontrollable for uncontr	Purchased & Market P Purchased & Market P Vom 13,858,075 21,72,13 U System Planning and Operations learn; starting in 2024, used MGO denv sees Entergy offices outside of service territory emils Say P Entergy offices outside of service territory emils Say P Entergy offices outside of service territory emils Say P Entergy offices outside of service territory emils Say P 20 cmmaly utes, ERCOT tor Auton and SERC Virgens Caroline for CC office. Caroline 1, 24,664 1, 24,674 1, 2	CO2 Emissions (ST) 7.452.233 9.999.671 ed marginal emission admarginal emission (Mwh), 279.16 279.16 279.16 9.71.55 279.16 11.229 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.239 11.23	IST CO20 3.850 / 2 3.850 / 2 7260 / 2 7260 / 2 7260 / 2 7260 / 2 7260 / 2 7260 / 2 7260 / 2 800 / 2	IST CO2e1 7.027 13.258 20.284 20.284 20.284 1.57 1.57 1.52 3.52 3.52 1.57 1.57 1.52 3.52 3.52 3.52 3.52 3.52 1.56 1.56 1.98 1.98	Total CO2# (5T) 2, 152,314,71 7,860,755,60 19,622,070,31 10,622,070,31 10,622,070,31 10,622,070,31 10,622,070,31 10,623,072,1 0,03535721 0,044 %Lott 0,044 %L	6247 191,344.0 Total CO2e (MT) 1.962,547,62 7,139,324,23 9,091,871,85 2,343,658.67 Total emissions CO 80,75 84.38	short tons CO2e short tons CO2e total emissions metric tons CO2e total emissions metric tons CO2e

023 Investor Guidi og 36-37 4,291.00 Total Loss 139,338.00 Total Power 0.0308 % Loss

Purchased power

Delivered Gas Emissions

This spreadsheet provides an estimate of upstream emissions associated with suppliers of natural gas for electric power generation and distribution to LDC customers. Delivered gas data was provided by System Planning & Operations.

_	Gas Deliver	ies (mmBtu)		Estimated Upstream Emissions (g CO2e)							
	Electric Utility	Local Distribution Companies (ENO and ELL)	Emission Rate for Delivered Gas ¹ (grams of CO2e per MJ)	Conversion of Emission Rate to g CO2e per mmBtu	Electric Utility	LDCs	Total	Conversion to lbs	Conversion to Short Tons	Conversion to Metric Tons	
	575,627,409	17,292,324	14.1	14875.5	8,562,745,522,580	257,231,965,662	8,819,977,488,242	19,427,263,190	9,713,632	8,812,061	

Notes and Sources
1. NET. Report. Industry Partnerships and their Role in Reducing Natural Gas Supply Chain Greenhouse Gas Emissions (2020); pp 50, Exhibit 6-10
NETL-Industry-Partnerships-and-their-Role-in-Reducing-Natural-Gas-Supply-Chain-Greenhouse-Gas-Emissions-Phase-2-12FEB2021.pdf (doe.gov)
Published Feb 12,2021--check to see if new version at this time; may be every few years

GHGe Breakdown			
6,614,983,116,181	5,624,091	TOTAL CH4, CO2e	CH4 ~= 75% of Total Natural Gas Industry CO2e GHG Emissions in the U.S. (Exhibit 6-11, p. 44, NETL report)
2,204,994,372,060	1,874,697	<u>TOTAL CO2, CO2e</u>	CO2 ~= 25% of Total Natural Gas Industry CO2e GHG Emissions in the U.S. (Exhibit 6-11, p. 44, NETL report)
0.0000	937	<u>TOTAL N2O, CO2e</u>	N2O = 0.0005 lbs CO2e N2O/b CO2 (ETR GHG Inventory emission factor for Industrial natural gas- fired facilities.)
8,267,033	7,499,726	TOTAL CO2e	Adjusted TOTAL

	Employee Business Travel - GHG Footprint Estimate
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		CO2 Emissions	CO2 Emissions	CO2 Emissions	1		
	Overall Summary	(lbs)	(short tons)	(metric tons)			
	Airline Flights	5,179,129	2,590	2,350			
	Rental Cars	465,083	233	21:			
	Hotel Stays	959,415	480	43!			
	Personal Vehicle Use	6,043,227	3,022	2,74			
	TOTAL ESTIMATE	12,646,854	6,323	5,73			
			Airline GHG Footpri	nt Estimate			
Year	Distance Flown (miles)	CO2 Footprint (lbs)	CO2 Footprint (short tons)	CO2 Footprint (metric tons)			
2024	11,827,179	5,179,129	2,590	2,350			
AMEX Travel group pr	ovided the CO2 footprint estimate calculation	ons - have requested details of assumptions	and calculations				
			Rental Car GHG Footp				
				ge Assumptions and Calculation			
Year	Number of Days/Nights		30% @ 10 mpd	30% @ 20 mpd	15% @ 50 mpd	5% @ 100 mpd	_
2024	23,203	23,203	69,609	139,218	174,023	116,01	5
			GRAND TOTAL	522,067.5	miles		
			GRAND TOTAL	210,915.3	kg CO2 (@404 grams CO2 per mile)		
				465,083.3	Ib CO2		
				232.5	short tons		
				211.0	metric tons		
f assumptions and c	alculations: https://nepis.epa.gov/Exe/ZyF	PDF.cgi?Dockey=P100U8YT.pdf					
			Hotel Nigh	ts			
		Assumed kwh usage per	Emission Rate Assumption	Natural Gas Usage per room	Total Emissions	Total Emissions	Total Emissi
Year	Number of Days/Nights		(lbs per MWh)	per night (mmBtu)	(lbs)	(short tons)	(metric ton
2024	23,203		(per	()	()	(
	2024 23,203	30	1,000	0.097	959,415	479.7	435.2

Source of assumptions and calculations: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100U8YT.pdf

Product Combustion - Emis Gas distribute						
Values below represent those reported in the RY 2023 GHG reports submitted by Gas Operations and provided to SEP for each location.						
Gas Operation CO2 equivalent emissions from supplier subparts LL-QQ (metric tons) Subpart NN Product Combustion Total CO2 equivalent emissions (shows)						
Entergy Louisiana, L.L.C. Gas Business	365,300.3	402,674.2				
Entergy New Orleans, Inc. Gas Business	493,198.3	543,657.4				
TOTAL	858,498.6	946,331.6				

Employee Commuting Emission Calculations

Note: Updated for 2024 Commuter Travel Calculations

uting Emissions S ~

Commuting Emissions Summary							
		Employee Commutin	ng Total CO2e				
Commuting method (more than 75% of the time)	Miles travelled per year	Total emissions kg CO2e	Total emissions short tons CO2e	Total Emissions metric tons CO2e	% total commuting emissions		
ndividual car	72,464,442	27,143,079	29,920	27,143	97.6%		
Public Transportation Carpool	491,840 1,573,467	67,603 589,375	75	68 589	0.2%		
Bikers Valkers					0.0%		
Total	74,529,750	27,800,057	30,644	27,800	100.0%		
		Employee 0	Commuting Total GHG Break	down			
Commuting method (more than 75% of the time) Individual car	Miles travelled per year 72,464,442	Greenhouse gas CO2	Total emissions kg CO2e 26,377,057	Total emissions short tons CO2e 29,075	Total Emissions metric tons CO2e 26,377	94.9%	
		CH4 N2O	47,174 718,847	52 792	47 719	0.2%	
Public Transportation	491,840	CO2 CH4	67,358	74 0.05	67	0.2%	
Carpool	1,573,467	N20 C02	201 572,742	0.22 631	0.20 573	0.0%	
Alpool	1,070,407	CH4	1,024	1.13	1.02	0.0%	
Bikers	-	N20 C02	15,609	17	- 16	0.1%	
		CH4 N2O	-	-		0.0%	
Walkers		CO2 CH4	-	-		0.0%	
Total	74,529,750	N2O	- 27.800.057	30.644	27.800	0.0%	
Commuting Survey Results & Workforce E Employee Count	• • • •	1	21,000,037	50,044	21,000	100.078	
Survey Responses	940						
Total Workforce (Dec 31, 2024)	12299	l					
		Commuting Fre	quency Per Year Approx Commute Days	Estimated Commuters for Full	Estimated Commutes for Full		
≠ of Commutes (Weekly)	Responses	%	Per Year Approx Commute Days (Individual)	Workforce	Estimated Commutes for Full Workforce		
Remote (zero) 0.5	31	3	0	406	0 28890		
1	122	13	48	1596	76620		
2	119	13	144	1557	224208		
4	247	19	240	2303	620498 552670		
TOTAL	940	100	744	12,299	1,695,064		
	Commuting Metho			I	Annual Commute Weighted Average		
Commuting Method	# Survey Responses 31	estimated employees 405.61	% of survey respones 3.30%		Commutes weekly	Commutes annually	# responses (survey)
Valkers =	6	78.50	0.64%		0	0	123
Bikers = Carpoolers =	6	91.59	0.64%		2	96	394
Public Transporters = ndividual Drivers =	6 884	78.50 11,566.29	0.64%				
Total	940	12,299	100.00%	Ĩ	4.5	216	423
				L			
				<u>.</u>	Total re Commute wei	sponses	940 137.44
	Low		nuting Distance (miles one-way)	•	Total re Commute wei	sponses ghted average	940
Remote	Low	Avg 0	High 0	# Employees Estimated 405.61	Total re Commute wei SURVEY RESPONSES (#) 31	sponses ghted average SURVEY RESPONSES (%) 3.30%	940
	0 1.0 5.0	Avg 0 2.5 7.5	High 0 5.0 10.0	# Employees Estimated 405.61 1.439.24 2.512.14	Total re Commute wei SURVEY RESPONSES (#) 31 110 192	sponses ghted average SURVEY RESPONSES (%) 3.30% 11.70% 20.43%	940
	0 1.0 5.0 10.0	Avg 0 2.5 7.5 15.0	High 0 5.0 10.0 20.0	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23	Total re Commute wei SURVEY RESPONSES (#) 311 110 192 205	sponses ghted average SURVEY RESPONSES (%) 11.70% 20.43% 21.81%	940
	0 1.0 5.0 10.0 20.0 30.0	Avg 0 2.5 7.5 15.0 25.0 40.0	High 0 5.0 10.0 20.0 30.0 50.0	# Employees Estimated 405.61 1.439.24 2.512.14 2.622.33 1.792.51 1.949.52	Total re Commute wei SURVEY RESPONSES (#) 110 192 205 137 147 149	sponses ghted average SURVEY RESPONSES (%) 11,70% 20,43% 21,81% 14,57% 15,55%	940
	0 1.0 5.0 10.0 20.0	Avg 0 2.5 7.5 15.0 25.0 40.0 62.5	High 0 5.0 10.0 20.0 30.0	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.702.21 1.949.52 1.517.57	Total re Commute wei SURVEY RESPONSES (#) 110 1922 2055 137 149 116	sponses sturker average SURVEY RESPONSES (%) 3.30% 11.70% 20.43% 14.57% 15.85% 12.34%	940
Remote	0 1.0 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Avg 0 2.5 7.5 5.0 2.5 0 2.5 0 40.0 62.5 152.5 Distribution of Com	High 0 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	# Employees Estimated 405.61 1.409.24 2.512.14 2.682.23 1.792.55 1.949.52 1.577.75 1.577.75 12.299 Estimation)	Total re Commute wei SURVEY RESPONSES (#) 192 205 205 193 194 194 195 194 194 195 194 194 194	sponses ghted average SURVEY RESPONSES (%) 3.30%, 21.37%, 21.47%, 21.45%, 14.57%, 15.85%, 10.05%, 10.05%,	940
fotal	0 1.0 5.0 100 200 30.0 50.0 116.0 Individual Drivers	Avg 0 2.5 7.5 15.0 25.0 0.0 62.5 152.5 152.5 Distribution of Communication of Communications of Commun	High 0 5.0 10.0 20.0 30.0 30.0 50.0 75.0 190.0 nutring Method by Miles (Workforce Public	# Employees Estimated 405.61 1.439.24 2.512.14 2.622.43 1.742.61 1.649.75 1.519.75 Estimation) Bikers	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 103 117 103 103 103 103 103 103 103 103 103 103	sponses sturker average SURVEY RESPONSES (%) 3.30% 11.70% 20.43% 14.57% 15.85% 12.34%	940
Irotal Survey Survey to 5 miles to 10 miles	0 1.0 5.0 10.0 20.0 50.0 50.0 116.0 116.0 1354 2362	Avg 0 2.5 7.5 15.0 25.0 25.0 40.0 62.5 152.5 Distribution of Come Carpoolers 0 0	High 0 5.0 10.0 000 000 000 000 000 000 000 000	# Employees Estimated 405.61 1.439.24 2.512.14 2.622.33 1.949.52 1.517.75 1.209 Estimation Bikers 39.25 39.25	Total re Commute wei SURVEY RESPONSES (#) 110 102 2055 102 102 103 103 103 104 940 940 940 940 950 950 90 10 10 10 10 10 10 10 10 10 10 10 10 10	sponses ghted average SURVEY RESPONSES (%) 3.30%, 21.37%, 21.47%, 21.45%, 14.57%, 15.85%, 10.05%, 10.05%,	940
Total Survey Ito 5 miles Ito 10-20 miles Divolution	0 10 10 50 50 50 50 50 50 50 50 50 50 50 50 50	Arg 0 2.5 2.5 7.5 15.0 25.0 25.0 0 62.5 Distribution of Com 62.5 0 0 0 0 0 0 0 0	High 0 5.0 10.0 30.0 50.0 75.0 nuting Method by Miles (Workforce 9 16 17 11	# Employees Estimated 405.61 4.45.62 4.45.62 4.42 2.512.44 2.662.23 1.940.52 1.772.55 1.2.999 Estimation) Estimation Bikers 39.26 39.25 0 0 0	Total re Commute well SURVEY RESPONSES (Ø) 100 102 2055 103 104 105 105 105 105 105 105 105 105 105 105	sponses ghted average SURVEY RESPONSES (%) 3.30%, 21.37%, 21.47%, 21.45%, 14.57%, 15.85%, 10.05%, 10.05%,	940
Fotal Survey 16 5 miles 50 10 miles 0-20 miles 20-30 miles 30 to 50 miles 30 to 50 miles 50 to 75 miles	0 10 10 50 100 200 200 300 100 100 100 100 100 100 100 100 1	Arg 0 2.5 7.5 7.6 7.6 2.5 7.6 40.0 40.0 40.0 6.2.5 Distribution of Come 6.0 0 0 0 0 0 0 0 0 92 92	High 0 5.0 10.0 8.0 9.0 19.0 19.0 19.0 19.0 19.0 19.0 19.	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.702.51 1.949.52 1.517.75 12.209 ■ Estimation Bikers 39.25 0 0 0 0 0 0	Total re Commute well SURVEY RESPONSES (#) 100 102 2050 2050 102 20 2050 205	sponses ghted average SURVEY RESPONSES (%) 1.33% 20.43% 20.43% 21.81% 14.57% 15.85% 10.23% 100%	940
Total Total Survey To 5 miles 10 50 miles 20-30 miles 30 10 50 miles	0 1.0 5.0 10.0 20.0 30.0 116.0 104 30.0 116.0 1054 2362 2562 1586 1833	Avg 0 2.5 2.5 7.5 5.0 25.0 25.0 0 62.5 Distribution of Common Co	High 0 5.0 10.0 30.0 726.0 192.0 192.0 192.0 Public 9 9 16 17 11 12	# Employees Estimated 405.61 405.42 2.512.44 2.612.44	Total re Commute wei SURVEY RESPONSES (#) 182 205 205 205 192 192 194 194 194 196 940 940 75 0 0 0 0 0	sponses ghted average SURVEY RESPONSES (%) 3.30%, 21.37%, 21.47%, 21.45%, 14.57%, 15.85%, 10.05%, 10.05%,	940
Fotal Survey 16 5 miles 50 10 miles 0-20 miles 20-30 miles 30 to 50 miles 30 to 50 miles 50 to 75 miles	0 10 10 50 100 200 200 1160 1160 1054 2562 2562 1053 1427 11566	Arg 0 2.5 2.5 7.5 5.0 25.0 25.0 0 22.5 Distribution of Common Co	High 0 5.0 10.0 8.0 9.0 19.0 19.0 19.0 19.0 19.0 19.0 19.	# Employees Estimated 405.61 1.439.24 2.512.14 2.623 1.702.51 1.949.52 1.517.75 12.209 Estimation) Bikers 39.25 0 0 0 0 79	Total re Commute well SURVEY RESPONSES (#) 100 102 2050 2050 102 20 2050 205	sponses ghted average SURVEY RESPONSES (%) 1.33% 20.43% 20.43% 21.81% 14.57% 15.85% 10.23% 100%	940
Total Total Survey to 5 miles to 10 miles 10-20 miles 10-20 miles 10-20 miles 10-20 miles 10 to 5	0 10 10 10 200 200 200 200 200 200 200 2	Avg 0 2.5 2.5 7.5 5.0 25.0 25.0 0 20.0 0 22.5 Distribution of Common Commo	High 0 5.0 5.0 10.0 5.0 20.0 30.0 30.0 75.0 nuting Method by Miles (Workforce Public 9 16 17 11 12 10 79 stimated Emissions from Mileage. annual miles (workforce) annual miles (workforce)	# Employees Estimated 405.61 1.439.24 2.512.14 2.623 1.702.51 1.949.52 1.517.75 12.209 Estimation) Bikers 39.25 0 0 0 0 79	Total re Commute well SURVEY RESPONSES (#) 100 102 2050 2050 102 20 2050 205	sponses ghted average SURVEY RESPONSES (%) 1.33% 20.43% 20.43% 21.81% 14.57% 15.85% 10.23% 100%	940
Remote Total Survey to 5 miles 5 to 10 miles 0-20 miles 2-30 miles 20 to 75 miles 20 to 75 miles 20 to 75 miles Wethod of Transportation Walkers = Wethod set	0 10 10 10 200 200 200 200 200 200 200 1160 116	Arg 0 2.5 2.5 7.5 15.0 25.0 25.0 0 62.5 Distribution of Com 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 92 92 Eround trip 375 (workforce) 785	High 0 5.0 5.0 10.0 10.0 30.0 30.0 75.0 190.0 nuting Method by Miles (Workforce) 9 10 17 11 12 10 79 stimated Emissions from Mileage annual miles (workforce) 51,539 107,855	# Employees Estimated 405.61 1.439.24 2.512.14 2.652.3 1.762.51 1.949.52 1.577.75 12.299 Estimation) Bikers 39.25 0 0 0 0 0 79 and Method of Transport annual gallons	Total re Commute well SURVEY RESPONSES (#) 110 102 2055 103 104 104 104 105 105 105 105 105 105 105 105 105 105	sponses ghted average SURVEY RESPONSES (%) 3.30% 21.170% 20.43% 14.57% 15.55% 10.0% Remote 406 short tons (workforce)	940 137.44
Remote Fotal Survey to 5 miles to 10 miles 0-20 miles 0-20 miles 00 to 75 miles 00 to 75 miles 00 to 75 miles Sol to 75 miles Cotal	0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 0 2.5 7.6 7.6 25.0 40.0 40.0 62.5 Distribution of Come 6 0 0 0 0 0 0 92 92 round trip (workforce) 275 11,449 3,579	High 0 5.0 5.0 10.0 5.0 20.0 5.0 90.0 5.0 90.0 5.0 190.0 190.0 10 7 11 12 10 79 30 5.0 10.1 10 79 5.1 30.1 5.0 40.840 1.57.467 471.840 471.840	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.742.515 1.949.52 1.949.52 1.517.75 12.209 Estimation) Bikers 39.26 39.26 0 2 2.8224 1.967	Total re Commute wel SURVEY RESPONSES (#) 100 102 2055 137 140 940 Walkers 75 0 0 0 0 0 0 0 0 0 0 0 0 0	sponses ghted average SURVEY RESPONSES (%) 3.30%, 20.43%, 21.81%, 14.57%, 15.55%, 12.34%, 100%, Remote 406 short tons (workforce) : : : : : : : : : : : : : : : : : : :	940 137.44 I37.64 metric tons (workforce) 223 1
Remote	0 0 1.0 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 2.5 7.5 15.0 28.0 62.5 152.5 Distribution of Common Commo	High 0 6.0 10.0 10.0 30.0 90.0 10.0 10.0 30.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 11 11.0 12 10 70 12.5 10.0 10.73.467.5 10.73.467.5 10.73.867.5 10.73.467.5 10.73.467.4 10.73.467.5 10.73.467.4 10.73.467.7 14.91.840.7 10.72.467.442.5 1.80.7 10.73.467.7 1.80.7	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.782.51 1.947.51 1.2299 Estimation) Bikers 39.25 39.25 0 0 0 79 annual gallons 262.24 1.989.578	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44 137.44
Total Survey 50 miles 50	0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 0 2.5 7.6 7.6 25.0 40.0 40.0 62.5 Distribution of Come 6 0 0 0 0 0 0 92 92 round trip (workforce) 275 11,449 3,579	High 0 5.0 5.0 10.0 5.0 20.0 5.0 90.0 5.0 90.0 5.0 190.0 190.0 10 7 11 12 10 79 30 5.0 10.1 10 79 5.1 30.1 5.0 40.840 1.57.467 471.840 471.840	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.742.515 1.949.52 1.949.52 1.517.75 12.209 Estimation) Bikers 39.26 39.26 0 2 2.8224 1.967	Total re Commute wel SURVEY RESPONSES (#) 100 102 2055 137 140 940 Walkers 75 0 0 0 0 0 0 0 0 0 0 0 0 0	sponses ghted average SURVEY RESPONSES (%) 3.30%, 20.43%, 21.81%, 14.57%, 15.55%, 12.34%, 100%, Remote 406 short tons (workforce) : : : : : : : : : : : : : : : : : : :	940 137.44 137.44
Remote	0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 0 2.5 7.6 7.6 25.0 40.0 40.0 62.5 Distribution of Come 6 0 0 0 0 0 0 92 92 round trip (workforce) 275 11,449 3,579	High 0 6.0 10.0 10.0 30.0 90.0 10.0 10.0 30.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 11 11.0 12 10 70 12.5 10.0 10.73.467.5 10.73.467.5 10.73.867.5 10.73.467.5 10.73.467.4 10.73.467.5 10.73.467.4 10.73.467.7 14.91.840.7 10.72.467.442.5 1.80.7 10.73.467.7 1.80.7	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.782.51 1.947.51 1.2299 Estimation) Bikers 39.25 39.25 0 0 0 79 annual gallons 262.24 1.989.578	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44 137.44
Total Total Total Survey Ito 5 miles 10-20	0 10 10 10 50 50 50 200 200 100 100 100 100 100 100 100 10	Arg 0 2.5 7.5 7.5 7.5 40.0 40.0 40.0 62.5 Distribution of Common Carpoolers 0 0 0 0 0 0 92 92 Found trip (workforce) 3.579 527.251 Total emissions kg C02e	High 0 6.0 10.0 10.0 30.0 90.0 10.0 10.0 30.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 11 11.0 12 10 70 12.5 10.0 10.73.467.5 10.73.467.5 10.73.867.5 10.73.467.5 10.73.467.4 10.73.467.5 10.73.467.4 10.73.467.7 14.91.840.7 10.72.467.442.5 1.80.7 10.73.467.7 1.80.7	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.782.51 1.947.51 1.2299 Estimation) Bikers 39.25 39.25 0 0 0 79 annual gallons 262.24 1.989.578	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44 137.44
Remote Total Survey to 5 miles to 10 miles 0-20 miles 20 on miles 30 to 50 miles 30 to 50 miles 30 to 50 miles 30 to 75 miles 50 to 75 miles Fotal Method of Transportation Webits = 2mpoters = -Woltin Transporters = Individual Drivers = Total Emissions Calcul Webod of Transit 5% Bus 5% Intercity Rail	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 2.5 7.5 400 40.0 40.0 62.5 152.5 152.5 Distribution of Common Carpoolers 0 0 0 0 0 0 92 92 Fround trip (workforce) 0.579 375 11.449 375 25.781 11.449 25.781 25.781 12.785 25.781 13.459 26.355 14.459 26.355 14.459 26.355 15.45 4.558	High 0 6.0 10.0 10.0 30.0 90.0 10.0 10.0 30.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 11 11.0 12 10 70 12.5 10.0 10.73.467.5 10.73.467.5 10.73.867.5 10.73.467.5 10.73.467.4 10.73.467.5 10.73.467.4 10.73.467.7 14.91.840.7 10.72.467.442.5 1.80.7 10.73.467.7 1.80.7	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.23 1.782.51 1.947.51 1.2299 Estimation) Bikers 39.25 39.25 0 0 0 79 annual gallons 262.24 1.989.578	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Total T	0 10	Arg 0 2.5 7.5 15.0 26.0 2.5 7.5 2.60 26.0 2.50 152.5 Distribution of Common Carpoolers 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 32 92 92 92 357 785 11.449 3.579 3.579 3.579 22.055 4.538 4.238 4.238 4.238	High 0 6.0 10.0 10.0 30.0 90.0 10.0 10.0 30.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 11 11.0 12 10 70 12.5 10.0 10.73.467.5 10.73.467.5 10.73.867.5 10.73.467.5 10.73.467.4 10.73.467.5 10.73.467.4 10.73.467.7 14.91.840.7 10.72.467.442.5 1.80.7 10.73.467.7 1.80.7	# Employees Estimated 405 61 1,439 24 2,512,14 2,682,23 1,702,613 1,104,751 1,2299 Estimation) Bikers 39,25 0 0 0 0 79 annual gallons 262,24 1,98,77 2,898,578	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Total Total Survey Ito 5 miles to 5 miles to 5 miles to 20 miles 20 o5 miles	0 10 10 10 10 200 200 100 100 200 100 10	Arg 0 2.5 7.5 15.0 26.0 2.5 7.5 2.60 26.0 2.50 152.5 Distribution of Common Carpoolers 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 32 92 92 92 357 785 11.449 3.579 3.579 3.579 22.055 4.538 4.238 4.238 4.238	High 0 6.0 10.0 10.0 30.0 90.0 10.0 10.0 30.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 11 11.0 12 10 70 12.5 10.0 10.73.467.5 10.73.467.5 10.73.867.5 10.73.467.5 10.73.467.4 10.73.467.5 10.73.467.4 10.73.467.7 14.91.840.7 10.72.467.442.5 1.80.7 10.73.467.7 1.80.7	# Employees Estimated 405 61 1,439 24 2,512,14 2,682,23 1,702,613 1,104,751 1,2299 Estimation) Bikers 39,25 0 0 0 0 79 annual gallons 262,24 1,98,77 2,898,578	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Total Total Survey Ito 5 miles Ito 5 miles Ito 5 miles Ito 5 miles Ito 30 miles	0 10	Arg 0 2.5 7.5 15.0 25.0 25.0 15.0 26.0 25.0 15.2 152.5 Distribution of Com 0 0 0 0 0 0 0 0 0 0 92 92 Total emissions kg CO2e 755 4,558 4,558 32,206 67,358 67,358	High 0 6.0 10.0 10.0 30.0 90.0 10.0 10.0 30.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 11 11.0 12 10 70 12.5 10.0 10.73.467.5 10.73.467.5 10.73.867.5 10.73.467.5 10.73.487.4 10.73.467.5 10.73.487.4 10.73.467.7 20.481.40.2	# Employees Estimated 405 61 1,439 24 2,512,14 2,682,23 1,702,613 1,104,751 1,2299 Estimation) Bikers 39,25 0 0 0 0 79 annual gallons 262,24 1,98,77 2,898,578	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Serricke Fotal Fotal Fotal Survey 10 5 miles 10 5 miles 10 10 miles 0-20 miles 10 0 miles 00 10 Transportation 10 0 miles Validers = 10 0 miles 20 0 miles 10 0 miles 10 10 Transportation 10 miles Validers = 10 miles Static Transporters = 10 miles Milers = 10 miles Synthic Transporters = 10 miles Milers = 10 miles Synther Rail 10 miles Synther Rail 10 miles Synther Rail 10 miles For Transt Rail 10 miles EPA Methodology = wh17(EFras + EFras*0.021 + EFras*0.021)	0 0 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 2.5 2.5 7.5 40.0 40.0 62.5 Distribution of Common 62.5 0 0 0 0 0 0 0 0 0 0 92 92 92 375 527,251 26,355 4,238 4,258 4,238 32,206 4,238 32,206 EEcos (kg Co2/vehicle-mile) EEcos (kg Co2/vehicle-mile)	High 0 6.0 10.0 10.0 90.0 9.0 90.0 19.0 190.0 nuting Method by Miles (Workforce) 9 16 11 12 10 79 10.8 10.79 51.53 10.785 1.07.85 10.785 1.07.85 10.785 1.07.85 10.785 1.44.42 74,689,184 74,689,184 EFcw (g CH4/vehicle-mile) EFcw (g CH4/vehicle-mile)	# Employees Estimated 405 61 1,439 24 2,512 14 2,682 23 1,702 51 1,949 52 1,717 55 1,949 52 12,209 estimation) Biters 30 25 30 26 0 1,967 2,926,770 2,926,770 EFraco(g N20/vehicle-mile)	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Semote	0 0 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 2.5 2.5 7.5 400 400 400 0 62.5 Distribution of Common Carpoolers 0 0 0 0 0 0 92 92 Found trip (workforce) 11.4479 375 12.22.251 28.355 14.479 627.251 Total emissions kg CO2e 4.558 4.238 32.206 67.358 EFco: (kg Co2/vehicle-mile) 0.364 Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspa="2"Colspan="2"Colspa="2"Colspan="2"Colspan="2"Col	High 0 6.0 10.0 10.0 90.0 90.0 90.0 190.0 190.0 nuting Method by Miles (Workforce) 9 16 17 12 10 79 10 stimated Emissions from Mileage 107.85 107.85 107.85 107.85 107.85 149.442 74,689,184 74,689,184 EFcwi (g CH4/vehicle-mile) 0.031 0.031 0.035	# Employees Estimated 405 61 1,439 24 2,512 14 2,682 23 1,792 51 1,940 52 1,792 51 1,940 52 12,209 Estimation) Biters 30 25 30 26 0 1,967 2,926,770 2,926,770 EFnco(g N20/vehicle-mile) 0.032 0.047	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Total Total Total Total Survey Lo 5 miles Lo	0 10 10 10 10 10 10 10 10 10 10 10 10 10	Arg 0 2.5 2.5 7.5 15.0 26.0 25.0 26.0 25.0 26.0 25.0 152.5 152.5 Distribution of Com 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 92 2 Total emissions kg CO2e 28.355 4.258 3.2,206 62.7,251 22.06 62.7,358 22,206 EEcco (kg Co2/vehicle-mile) 0.364	High 0 6.0 10.0 10.0 30.0 20.0 90.0 10.0 90.0 10.0 190.0 nuting Method by Miles (Workforce) 9 16 11 12 10 13 10 14 12 15.1 10.73.467 401.840 74,659,184 74,659,184 74,659,184 EEcws (g CH4/vehicle-mile) 0.031	# Employees Estimated 405.61 1.439.24 2.512.14 2.682.13 1.762.61 1.404.51 1.404.51 1.404.51 1.404.51 1.617.52 1.517.52 98.25 0 0 0 0 0 79 and Method of Transport 2.898.578 2.2926.770 2.9926.770 EFxzo(g N20/vehicle-mile) 0.032	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Semote	0 0 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Arg 0 2.5 2.5 7.5 2.5 2.5 40.0 40.0 62.5 Distribution of Common Carpoolers 0 0 0	High 0 100 50 100 50 900 900 900 900 900 900 900 900 900 900 901 1900 10 12 10 79 annual miles (workforce) 10/285 1,573,467 10/2,464,442 74,689,184 1 EFcws (g CH4/vehicle-mile) 0.031 0.035 0.035 0.035 0.035	# Employees Estimated 405.61 1.439.24 2.512.14 2.662.23 1.762.51 1.949.52 1.517.75 93.25 39.25 0 0 0 0 0 0 2.93.25 39.25 39.25 39.25 2.90 2.00 0 2.00 2.12,00 2.132,00 2.132,00 0 0 0 0 0 0 2.806,578 2.926,770 2.926,770 2.926,770 2.926,770 2.926,770 0.032 0.042 0.042	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Remote		Arg 0 0 2.5 7.5 7.5 15.5 40.0 40.0 62.5 152.5 152.5 Distribution of Com 0 0 0 0 0 0 0 92 92 round trip (workforce) 255 11.449 3.579 527.251 527.251 Total emissions kg CO2e 26.355 4.258 4.258 4.258 4.258 2.205 67.398 EFcos (kg Co2/vehicle-mile) 0.574 0.107 0.168 0.107 0.168 0.229 0.229	High 0 100 50 100 50 100 50 100 50 100 50 100 50 100 50 100 50 100 75 11 12 10 73 sitmated Emissions from Milesge 15 107 73 201 72 201 72 201 72 201 73 201 51 202 74,689,184 203 2,72,464,442 74,689,184 0.035 203 0.036 0.0040 0.0040 0.0040 0.0040	# Employees Estimated 405.61 1.439.24 2.512.41 2.622.31 1.702.51 1.949.52 1.299 Estimation) Bikers 39.25 0 1.967 2.808,578 2.926,770 0.002 0.002 0.002 0.002 0.002 0.0025 0.0025 0.0025	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
termode		Arg 0 2.5 2.5 7.5 400 40.0 62.5 Distribution of Common Carpoolers 152.5 Distribution of Common 0 0 0 0 0 0 0 0 92 92 92 375 527/251 527.251 Total emissions kg CO2e 4.558 4.238 4.238 2.2 0.57 9.51 527.251 Total emissions kg CO2e 4.558 4.238 3.52 0.52 3.54 0.52 0.54 0.54 0.557 0.54 0.558 0.52 0.229 0.52 0.272 0.107 0.272 0.175 0.175 0.175 0.175	High 0 60 100 100 100 100 100 100 100	# Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Total Total Survey Ito 5 miles Ito 5 mi		Arg 0 2.5 7.5 150 260 250 152 Distribution of Common Carpoolers 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3.579 3.579 3.579 0.226 26.355 4.589 3.2206 0.7359 26.355 4.599 3.2206 0.7359 0.519 0.519 0.519 0.519 0.519 0.519 0.519 0.519 0.519 0.0519 0.158 0.0519 0.277 0.158 0.277	High 0 60 100 100 100 100 100 100 100	# Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Remote Total Survey 10 5 miles 50 10 miles 0-20 miles 0-20 miles 0-20 miles 02 0 miles 02 0 miles 03 0 50 miles 04 0 miles 05 0 miles 06 0 miles 09 0 miles 09 0 miles 00 0 miles<		Arg 0 2.5 2.5 7.5 2.5 2.60 40.0 40.0 62.5 Distribution of Common Compositions 152.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 92 755 11,449 3,579 527,251 42,859 42,859 42,859 32,206 67,358 EFcox [kg Co2/vehicle-mil] 0,519 0,519 0,519 0,519 0,519 0,107 0,165 0,122 0,229 0,163 0,163	High 0 60 100 100 100 100 100 100 100	# Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Semicle Image: Semicle		Arg 0 2.5 2.5 7.5 2.5 2.60 40.0 40.0 62.5 Distribution of Common Compositions 152.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 92 755 11,449 3,579 527,251 42,859 42,859 42,859 32,206 67,358 EFcox [kg Co2/vehicle-mil] 0,519 0,519 0,519 0,519 0,519 0,107 0,165 0,122 0,229 0,163 0,163	High 0 6.0 10.0 10.0 20.0 20.0 75.0 190.0 190.0 nuting Method by Miles (Workforce) 9 16 17 11 10 17 11 10 79 stimated Emissions from Milesge 61.539 107.467 24.64.42 24.64.42 74,685,184 EEcox (g CH4/vehicle-mile) 0.033 0.033 0.034 0.0104 0.0104 0.0104 0.0104	# Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44
Semole Total Survey 10 5 miles 5 10 miles 5 20 miles 5 20 miles 50 10 0 miles </td <td></td> <td>Arg 0 2.5 7.5 150 200 62.5 7.5 150 200 62.5 152.5 Distribution of Common Carpoolers 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.573 0 0.561 0 0.564 0 0.564 0 0.564 0 0.573 0 0.564 0 0.564 0 0.564 0 0.564</td> <td>High 0 6.0 10.0 10.0 20.0 20.0 76.0 190.0 190.0 nuting Method by Miles (Workforce) 9 16 17 11 10 10 79 simated Emissions from Mileage 10.73.467 20.0 27.463.422 24.64.422 74.685.184 EEcox (g CH4/vehicle-mile) 0.033 0.031 0.032 0.032 0.034 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104</td> <td># Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065</td> <td>Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103</td> <td>sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406</td> <td>940 137.44 137.44 </td>		Arg 0 2.5 7.5 150 200 62.5 7.5 150 200 62.5 152.5 Distribution of Common Carpoolers 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.573 0 0.561 0 0.564 0 0.564 0 0.564 0 0.573 0 0.564 0 0.564 0 0.564 0 0.564	High 0 6.0 10.0 10.0 20.0 20.0 76.0 190.0 190.0 nuting Method by Miles (Workforce) 9 16 17 11 10 10 79 simated Emissions from Mileage 10.73.467 20.0 27.463.422 24.64.422 74.685.184 EEcox (g CH4/vehicle-mile) 0.033 0.031 0.032 0.032 0.034 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104 0.0104	# Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44 137.44
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		Arg 0 2.5 2.5 7.6 2.5 12.5 40.0 40.0 62.5 152.5 152.5 Distribution of Com 0 0 0 0 0 0 0 0 0 0 0 0 92 92 Found trip (workforce) (workforce) 255 11.449 3.579 527.281 22.355 4.553 4.258 4.553 4.258 2.200 67.385 12.201 0.579 527.351 0.163 10 0.165 0.229 0.277 0.163 0.163 10 0.165 0.172 0.163 0.162 0.172 0.163 0.162 10 0.163 10 0.163 10 <td>High 0 50 50 100 50 2000 500 900 500 900 500 900 500 900 500 91000 900 10 9 11 12 10 79 annual miles (vorkforce) 51590 1573.467 51590 1573.467 491.840 740.840 72.464.442 74.659.184 0.035 0.0351 0.0351 0.0352 0.0351 0.0353 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0353 0.0354 0.0352 0.0354 0.0353 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 <</td> <td># Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065</td> <td>Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103</td> <td>sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406</td> <td>940 137.44 </td>	High 0 50 50 100 50 2000 500 900 500 900 500 900 500 900 500 91000 900 10 9 11 12 10 79 annual miles (vorkforce) 51590 1573.467 51590 1573.467 491.840 740.840 72.464.442 74.659.184 0.035 0.0351 0.0351 0.0352 0.0351 0.0353 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0353 0.0354 0.0352 0.0354 0.0353 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 0.0354 0.0352 <	# Employees Estimated 405.61 1.439.24 2.512.14 2.632.3 1.762.51 1.949.52 1.209 Estimation) Bikers 39.26 39.26 39.26 0 1.967 2.8985.78 2.926.770 0.032 0.047 0.032 0.047 0.0355 0.0065 0.0065	Total re Commute wei SURVEY RESPONSES (#) 110 102 205 115 102 103 103 103 103 103 103 103 103 103 103	sponses ghted average SURVEY RESPONSES (%) 3.30%, 11.70%, 20.43%, 21.51%, 12.57%, 12.57%, 12.57%, 12.57%, 100%, 100%, Remote 406 406	940 137.44

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 http://www.epa.acv/climateleader/ship/documents/resource_s/mobiles/ource_pudance_pdf

 Assumptions
 We assume values was under some usery so often were treated as '2' commutes weekly employees who commute 1-3 times per week were treated as '2' commutes per week; employees who come 4 to 5 times per week were treated as '2' commutes weekly with 2 weeks of vacation. 12 http://www.epa.acv/climateleader/ship/documents/resources/mobiles/ource_pudance_pdf

 We assume values was under 5 miles one way, and cyclists/bakes bike up to 10 one-way
 Capaciders and the ore 30 miles one way, and cyclists/bakes bike up to 10 one-way

 Capaciders and up to perform the ore 30 miles one way, and cyclists/bakes bike up to 10 one-way
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 Searming 20 points of C20 emiles per gland of the burned
 Methodology sourced from EPAC Climate Leadors: Clienchouse 0 Sa timentory Protocol Core Module Guidance

 Specific sections:
 "Optional Emissions fron Community Business Travel and Product Transport"

 Public transportions method complexes settinated from date acrecoring passes estimated from date acrecoring passes estimated from date acrecoring passes part of the United States: 2012

 Weils assured from 2023 issued molycyee survey reflecting 2022 commuting
 US Census Bureau, Statistical Abstract of the United States: 2012

 Metage based of of a survey of 40 employees from pace and acrecoring passes
 US demises thanor for date miles opad of 11,700 employees

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Entergy leases a power facility to a third party for their sole use
Leased Assets

	Leas	DEU A33EL3		
Gross Load	Gross Load Steam Load			Heat Input (mmBtu)
(MWh)	(1000 lb)	short tons	metric tons	
3734583	7,464,779.00	2,359,948.00	2,140,908.81	39,710,569.00
		CH4		
		short tons	metric tons	
		1,109.18	1,006.23	
		N20		
		short tons	metric tons	
		1,321.57	1,198.91	
	(MWh)	Gross Load Steam Load (MWh) (1000 lb)	Gross Load Steam Load CO2 (MWh) (1000 lb) short tons 3734583 7,464,779.00 2,359,948.00 3734583 7,464,779.00 2,359,948.00 CH4 Short tons 1,109.18 N20 Short tons 1 100.18	(MWh) (1000 lb) short tons metric tons 3734583 7,464,779.00 2,359,948.00 2,140,908.81 CH4 CH4 short tons metric tons 1,109.18 1,006.23 N20 short tons

Data obtained from EPA Clean Air Markets division on 2/15/25: https://campd.epa.gov/data/custom-data-download

EPA Climate Leaders Emissions Factors for Fossil Fuel and Biomass Combustion

 Core emissions factors below have been updated from the EPA Climate Leaders GHG inventory Protocol, October 2004 and with any other EPA Final Rules.

 CO2 Emissions -- kg
 CO2 Emissions -- lbs
 CH4 Emissions

					00 F			C. F	ll a	CH4 Emissions			N20 Emissions				
				C	02 Emissions	kg	CC	02 Emissions	lbs		CH4 Emi				N20 Emiss		
	Heating Value (HHV): custom heating values should be used if	Carbon content coefficient (kg C/MMBtu)	Fraction	EPA emission factor (kg CO2/MMBtu	EPA emission factor (kg CO2/mass or	EPA emission factor (kg CO2/mass or	EPA emission factor (lbs CO2/MMBtu	EPA emission factor (lbs CO2/mass or	EPA emission factor (lbs CO2/mass or	EPA emission factor	EPA emission factor (kg CO2e/MMBtu)	EPA emission factor (lbs CO2e/MMBtu	CH4 (CO2e) emissions factor (Ibs CO2e CH4/Ib	EPA emission factor	EPA emission factor (kg CO2e/MMBtu)	emission factor (Ibs CO2e/MMBtu	N2O (CO2) emissions (I CO2e N2O)
Fuel type	available	(based on HHV)	oxidized	(HHV)*	volume unit)	volume unit)	(HHV)*	volume unit)	volume unit)	(g CH4/MMBtu)	GWP=25)	CO2)	(g N20/MMBtu)	GWP=298)	CO2)
Liquid fossil	MMBtu/bbl				kg CO2/gallon	kg CO2/bbl		lbs CO2/gallon									
Gasoline / petrol	5.253		0.99		8.79	369.18	156.44	19.38	814.04								
Kerosene	5.670	19.72	0.99		9.66	405.88	157.84	21.31	894.97	Note: CH4/N2	O emissions fac	tors for all mob	ile sources are	dependent on many	variables; for m	nobile sources	consult the
Jet Fuel	5.670	19.33	0.99		9.47	397.74	154.72	20.88	877.02				EPA Guida	nce Protocol			
Aviation gasoline	5.048	18.87	0.99	68.50	8.23	345.66	151.04	18.15	762.18								
Distillate fuel										1.8 (ind)		0.099	0.0006	.54 (ind)	0.16092	0.355	
(# 1,2,4, diesel)	5.825	19.95	0.99	72.42	10.08	423.36	159.68	22.23	933.51	2.7 (elect gen)	0.068	0.149	0.0009	.54 (elect gen)	0.16092	0.355	0.002
Residual fuel oil (#5.6)										1.8 (ind)			0.0006	1.8 (ind)	0.16092	0.355	
	6.287	21.49	0.99		11.68	490.44	172.01	25.75	1,081.42	2.7 (elect gen)	0.068	0.149	0.0009	2.7 (elect gen)	0.16092	0.355	0.002
LPG	3.861	17.25	0.99		5.65	237.45	138.07	12.47	523.58								
Propane	3.824	17.2	0.99	62.44	5.71	239.90	137.67	12.59	528.98								
Ethane	2.916	16.25	0.99	58.99	4.12	172.91	130.07	9.08	381.27								
n-Butane	4.326	17.72	0.99	64.32	6.66	279.80	141.83	14.69	616.96		Note:	CH4/N2O emi	issions factors f	or all mobile sources	are dependent	on many vari	ables;
Isobutane	4.162	17.75	0.99	64.43	6.42	269.52	142.07	14.15	594.29			for	r mobile source	s consult the EPA G	uidance Protoc	ol	
E85	e EPA Guidance					0.00	0.00		0.00	1							
CNG	1.027	14.47	0.995	52.79	.054 /cf			.12 /cf		1							
LNG					5.91 /gal			13.01 /gal									
Petroleum coke	6.024	27.85	0.99	101.10	609.00		0.00	0.00		1							
Gaseous fossil	MMBtu/mcf				cu. ft.			cu. ft.									
Material and the h										4,75 (ind)	0.119	0.262	0.00225	0.095 (ind)	0.028	0.062	0.000
Natural gas (dry)	1.027	14.47	0.995	52.79	0.0542		116.41	0.1195		0.95 (elect gen)	0.025	0.055	0.00047	0.095 (elect gen)	0.030	0.066	0.000
Solid fossil	MMBtu/short tor	1			short ton			short ton									
A										10.0 (ind)	0.250	0.551	0.00265	1.4 (ind)	0.42	0.92	0.004
Anthracite	25.09	28.26	0.99	102.58	2,573.83		226.20	5.675.30		1.0 (elect gen)	0.025	0.055	0.00027	1.4 (elect gen)	0.48	1.05	0.005
Bituminous coal	24.93	25.49	0.99		2.306.74		204.03	5.086.36					% of "unspecified	coal"		% of '	unspecified cos
Sub-bituminous coal	17.25	26.48	0.99	96.12	1,658.11		211.95	3,656.13	1			Use the CH4/	N2O emissions	factors above for all	coal types		
Lignite	14.21	26.3	0.99		1.356.61		210.51	2.991.33	1						,,		
Coke	24.80	27.85	0.99	101.10	2.507.17		222.92	5.528.31									
Unspecified (elec gen)	20.63		0.99		1,945,56		207.95	4,289,96									
Unspecified (indus)	23.03		0.99		2.151.84		206.11	4,744,81									
Biofuels	20.00	20.10	0.00	55.47	2,101.04		200.11	4,744.01									
Wood and wood waste	15.38 MMBtu /short	25.6	0.995	92.93	1.429.23 /short		204.91	3.135.2 /short		30.1 (ind/elect gen)		1.659	0.0081	4.01 (ind/elect gen)	1.19	2.63	0.012
Landfill gas (50/50)	502.5 Btu/cu ft.	14.2	0.995	51.81	.0260 /cf		114.24	.05733 /cf	1					uels are less than 1%			
Biodiesel	Joz.J Blu/cd II.	14.2	3.385	51.01	9.29 /gal		119.29	20.48 /gal	960 25 /aal					pendent on many va			
Ethanol (100)	3.539 MMBtu/bbl	17.99	0.99	65.30	5.5 /gal		143.99	20.48/gal	509.46 /bbl	11018. 0114/11201	ermaaioris idului	a ror an mublie	audices ale de	pendent off fildity va	naures, IUI IIIUL	nie audices ci	anaun trie
Ethanor (100)	3.539 MMBtu/bbl	uels does not contrib		65.30	5.5 /gai												

Conversion Factors used in this inventory

Mass

Mass			
1 pound (lb)	453.6 grams (g)	0.4536 kilograms (kg)	0.0004536 metric tons (tonne)
1 kilogram (kg)	2.205 pounds (lb)		.0011023 short tons
1 short ton (ton)	2'000 pounds (lb)	907.2 kilograms (kg)	.9072 metric tons
1 metric ton	2'205 pounds (lb)	1'000 kilograms (kg)	1.1023 short tons (tons)
Volume			
1 cubic foot (ft ³)	7.4805 US gallons (gal)	0.1781 barrel (bbl)	
1 cubic foot (ft ³)	28.32 liters (L)	0.02832 cubic meters (m ³)	
1 US gallon (gal)	0.0238 barrel (bbl)	3.785 liters (L)	0.003785 cubic meters (m 3)
1 barrel (bbl)	42 US gallons (gal)	158.99 liters (L)	0.1589 cubic meters (m ³)
1 litre (L)	0.001 cubic meters (m ³)	0.2642 US gallons (gal)	
1 cubic meter (m ³)	6.2897 barrels (bbl)	264.2 US gallons (gal)	1,000 liters (L)
Energy			
1 kilowatt hour (kWh)	3,412 Btu (btu)	3,600 kilojoules (KJ)	
1 megajoule (MJ)	0.001 gigajoules (GJ)		
1 gigajoule (GJ)	0.9478 million Btu (million btu)	277.8 kilowatt hours (kWh)	
1 Btu (btu)	1,055 joules (J)		
1 million Btu (million btu)	1.055 gigajoules (GJ)	293 kilowatt hours (kWh)	
1 therm (therm)	100,000 btu	0.1055 gigajoules (GJ)	29.3 kilowatt hours (kWh)
Other			
kilo	1,000		
mega	1,000,000		
giga	1,000,000,000		
tera	1,000,000,000,000		
1 psi	14.5037 bar		
1 kgf / cm ³ (tech atm)	1.0197 bar		
1 atmosphere (atm)	0.9869 bar	101.325 kilo pascals	14.696 pounds per square inch (psia)
1 mile (statue)	1.609 kilometers		
1 metric ton CH ₄	21 metric tons CO_2 equivalent		
1metric ton N ₂ O	310 metric tons CO ₂ equivalent		
1 metric ton carbon	3.664 metric tons CO ₂		

Global Warming Potentials and Atmospheric Lifetimes (years) Gas Atmospheric Lifetime GWP ^a		
Carbon dioxide (CO2)	50-200	1
Methane (CH4) ^{b,c}	12 +/- 3	25
Nitrous oxide (N2O) ^c	120	298
HFC-23 [°]	264	14,800
HFC-125 [°]	32.6	3,500
HFC-134a ^c	14.6	1,100
HFC-143a ^c	48.3	4,470
HFC-152a ^c	1.5	124
HFC-227ea ^c	36.5	3,220
HFC-236fa ^c	209	9,810
HFC-4310mee ^c	17.1	1,640
CF4	50,000	6,500
C2F6	10,000	9,200
C4F10	2,600	7,00
C6F14	3,200	7,400
SF6 ^c	3,200	22,800

Source: Unless otherwise noted by note 'c' below, IPCC's Fourth Assessment Report (2007) GWPs.

a using a 100 year time horizon

b The methane GWP includes the direct effects and those indirect effects due to the production of tropospheric ozone and stratospheric water vapor.

c Effective January 1, 2014, the Environmental Protection Agency, through issuance of a final rule, raised the GWP for methane and several classes of hydrofluorocarbons, while lowering the GWP for both nitrous oxide and sulfur hexafluoride.

The indirect effect due to the production of CO2 is not included.