

2023 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	39,403,259	35,746,035	56.45%		
		(includes emergency and backup	CH4	17,009	15,430	0.02%	Stationary Combustion CEM	
		generators)	N2O	56,049	50,847	0.08%		
		Small stationary combustion sources &	CO2	32,520	29,502	0.05%		
	Stationary Combustion	generators	CH4	13	12	0.00%	All small stat cbn totals	
		(2022 updated methodology; co-located at generation stations, service stations and	U114	13	12	0.00%		
		Power Through)	N2O	20	18	0.00%		
		Biomass power generation			N	ot applicable		
Scope 1			CO2	77,187	70,023	0.11%		
Direct		Corporate fleet	CH4	113	103	0.00%	Mobile Combustion	
Emission Sources	Mobile Combustion		N2O	602	547	0.00%		
Sources		<u> </u>	1420	002				
		Biomass fleet			IN IN	ot applicable		
		Natural gas transmission and distribution	CH4	49,751	45,133	0.07%	Fugitive CH4-NG T&D	
	Fugitive Emissions	Electricity transmission and distribution	SF6	36,936	33,508	0.05%	Fugitive SF6	
		Cooling/air-conditioning (building, mobile and nuclear cooling eqpt)	HFCs	5,848	5,305	0.01%	Fugitive HFCs	
	Process emissions	none applicable			N	ot applicable		
		ions from Direct Sources		39,679,308	35,996,463	56.84%		
			CO2	170	154	0.00%		
	Purchased Electricity	Power purchased for business operations outside Entergy service	CH4	4	3	0.00%		
	T dronasca Electricity	territory	N2O	0	0	0.00%		
Scope 2						Note: these emissions are		
Indirect Emission			CO2	285,224	258,751	calculated for information only - they are NOT included in the	Purchased power	
Sources	T&D losses & Company Usage	Entergy generated & purchased power consumed on Entergy T&D system and	CH4	432	392	subtotal or the grand total shown below because any T&D losses are accounted for		
		company location energy consumption	N2O	773	701	by the scope 1 emissions necessary to make up for these losses.		
	Total Emissi	ons from Indirect Sources		173	157	0.00%		
	Category 1		CO2	3,009,542	2,730,211	4.31%		
	Category 1 Purchased Goods and							
	Purchased Goods and		CH4	567,506	514,832	0.81%		
	Purchased Goods and Services	Spend method	N20	0	0	0.00%	Purchased and Capital	
	Purchased Goods and	Spend method	N20 Other GHGs	0 26,564	0 24,098	0.00% 0.04%	Purchased and Capital	
	Purchased Goods and Services (Contains Waste Spend Data)	Spend method	N20 Other GHGs Total (CO2e) CO2	0 26,564 3,603,612 3,763,240	0 24,098 3,269,142 3,413,954	0.00% 0.04% 5.16% 5.39%	Purchased and Capital	
	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods		N20 Other GHGs Total (CO2e) CO2 CH4	0 26,564 3,603,612 3,763,240 277,315	0 24,098 3,269,142 3,413,954 251,576	0.00% 0.04% 5.16% 5.39% 0.40%		
	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend	Spend method Spend method	N20 Other GHGs Total (CO2e) CO2	0 26,564 3,603,612 3,763,240	0 24,098 3,269,142 3,413,954	0.00% 0.04% 5.16% 5.39%	Purchased and Capital Purchased and Capital	
	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods		N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e)	0 26,564 3,603,612 3,763,240 277,315 0	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83 %		
	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend	Spend method Controllable Purchased Power	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27%		
	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend	Spend method Controllable Purchased Power (contracted power where the source is	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01%		
	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3	Spend method Controllable Purchased Power	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27%		
	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related	Spend method Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements)	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36%		
Scope 3	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3	Spend method 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	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 N20 Total (CO2e) CO2 CH4 N40 CO2 CH4	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 4.29% 9.36% 0.01%	Purchased and Capital	
Scope 3	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities	Spend method Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements) Non-Controllable Power	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36%	Purchased and Capital	
Indirect Emissions	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities	Spend method 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	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,063,261 2,980,586 8,076 4,517 2,993,180 6,536,535 6,536,535 14,591	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,4403 13,236	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 0.02%	Purchased and Capital	
Indirect	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities	Spend method 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	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) Total (CO2e)	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40%	Purchased and Capital	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation	Spend method 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)	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) Total (CO2e) CH4 (CO2e) CH4 (CO2e)	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 9,552,465	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 13.68%	Purchased and Capital Purchased Power	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6	Spend method 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	N20 Other GHGs Total (CO2e) CC2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) CO2 CH4 CO2 CH4 CO2e CH4 CO2e CH4 CO2e CH4 CO2e CH4 CO2e CH4 CO2e	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 9,552,465 9,526,868 7,005 6	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.00% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.019% 0.02% 9.40% 13.68%	Purchased and Capital Purchased Power	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation	Spend method 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)	N20 Other GHGs Total (CO2e) CO2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) Total (CO2e) CH4 (CO2e) CH4 (CO2e)	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,1517 2,993,180 6,536,535 8,160 4,591 6,559,286 9,552,465	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 13.68%	Purchased and Capital Purchased Power Delivered Gas	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel	Spend method 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	N20 Other GHGs Total (CO2e) CC2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) Total (CO2e) CH4 N20 Total (CO2e) CH4 (CO2e) CO2 CH4 (CO2e) CO2 CH4 (CO2e) CO2 CH4 N20 Total (CO2e) CO2	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,539,535 8,160 14,591 6,559,286 9,552,465 9,526,868 7,005 6 15 7,025 29,570	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.00% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40% 13.68% 13.65% 0.01% 0.00% 0.00% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6	Spend method 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	N20 Other GHGs Total (CO2e) CH4 N20 Other GHGs Total (CO2e) CH4 N20 CH6 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 CO2e Total (CO2e) CH4 CO2e CH4 CO2e CH4 CO2e CH4 CO2 CH4 CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e)	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,1517 2,993,180 6,536,535 8,160 4,591 6,559,286 9,552,465 7,005 6 7,005 6 15 7,025 29,570 53 804	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.00% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40% 13.65% 0.01% 0.00% 0.00% 0.00%	Purchased and Capital Purchased Power Delivered Gas	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 Capital Goods (Contains Waste Spend Data) Category 3 Fuel-and Energy-Related Activities (Location based) Category 4 Upstream Transportation Category 6 Business Travel	Spend method 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	N20 Other GHGs Total (CO2e) CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CH4 N20 Total (CO2e) CH4 N20 CH4 N20 Total (CO2e) CH4 N20 Total (CO2e) Total (CO2e) Total (CO2e) Total (CO2e) Total (CO2e)	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,063,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 9,552,465 9,526,868 7,005 6 15 7,025 29,570 53 804	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729 27,603	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.00% 5.83% 4.27% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40% 13.68% 13.65% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 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 normal work locations	N20 Other GHGs Total (CO2e) CC2 CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO4 CC4 CC6 CC7 CC7 CC7 CC8 CC9 CC9 CC9 CC9 CC9 CC9 CC9 CC9 CC9	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,539,535 8,160 14,591 6,559,286 9,552,465 9,526,868 7,005 6 15 7,025 29,570 53 804 30,427 1,042,819	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729 27,603 946,030 378	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.00% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.019% 0.02% 9.40% 13.68% 13.65% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel Employee Commuting	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 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	Spend method 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	N20 Other GHGs Total (CO2e) CH4 N20 Other GHGs Total (CO2e) CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO4 CH4 N20 Total (CO2e) CO2 CH4 N20 CO2 CH4 N20	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 9,552,465 9,526,868 7,005 6 15 7,025 29,570 53 804 30,427 1,042,819 417 626	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729 27,603 946,030 378 568	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40% 13.68% 13.65% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 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 normal work locations Gas Combusion by LDC customers	N20 Other GHGs Total (CO2e) CH4 N20 Other GHGs Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) CO2 CH4 N20 Total (CO2e) Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e) CO2 CO2 CH4 N20 Total (CO2e)	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,063,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 9,552,465 9,526,868 7,005 6 15 7,025 29,570 53 80,427 1,042,819 417 626 1,043,862	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729 27,603 946,030 378 568 946,976 2,077,672	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.00% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40% 13.68% 13.65% 0.01% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel Employee Commuting	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 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	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	N20 Other GHGs Total (CO2e) CH4 N20 Other GHGS Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 Total (CO2e) CO2 CH4	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 7,005 6 15 7,025 29,570 53 804 30,427 1,042,819 417 626 1,043,862 2,290,242 1,076	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729 27,603 946,030 378 568 946,976 2,077,672	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.04% 5.83% 4.27% 0.01% 4.29% 9.36% 0.01% 13.68% 13.65% 0.01% 0.00% 0.00% 14.90% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel Employee Commuting	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 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	N20 Other GHGs Total (CO2e) CH4 N20 Other GHGS Total (CO2e) CC9 CH4 N20 CO2 CH4 N20 Total (CO2e) CO2	0 26,564 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 9,552,465 9,526,568 7,005 6 15 7,025 29,570 53 804 30,427 1,042,819 417 6,26 1,043,862 2,290,242 1,076 1,283	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729 27,603 946,030 378 568 946,976 2,077,672 9,77	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 0.00% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40% 13.68% 13.65% 0.01% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel Employee Commuting Product Combusion	
Indirect Emissions (Optional	Purchased Goods and Services (Contains Waste Spend Data) Category 2 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	N20 Other GHGs Total (CO2e) CH4 N20 Other GHGS Total (CO2e) CO2 CH4 N20 CO2 CH4 N20 Total (CO2e) CO2 CH4	0 26,564 3,603,612 3,763,240 277,315 0 27,706 4,068,261 2,980,586 8,076 4,517 2,993,180 6,536,535 8,160 14,591 6,559,286 7,005 6 15 7,025 29,570 53 804 30,427 1,042,819 417 626 1,043,862 2,290,242 1,076	0 24,098 3,269,142 3,413,954 251,576 0 25,134 3,690,664 2,703,943 7,327 4,098 2,715,367 5,929,845 7,403 13,236 5,950,484 8,665,851 8,642,630 6,356 5 13 6,374 26,826 48 729 27,603 946,030 378 568 946,976 2,077,672	0.00% 0.04% 5.16% 5.39% 0.40% 0.00% 5.83% 4.27% 0.01% 0.01% 4.29% 9.36% 0.01% 0.02% 9.40% 13.68% 13.65% 0.01% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	Purchased and Capital Purchased Power Delivered Gas Business Travel Employee Commuting Product Combusion	

	2023					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	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 ir metric tons
		, ,		•		short tons CO2	short tons CO2	short tons CO2e	short tons CO2e		
Acadia (Unit 2)	СТ3	580	LA	100%	Natural Gas	663,273.31	663,273.31	311.74	371.43		
Acadia (Unit 2)	CT4		LA	100%	Natural Gas	629,977.67	629,977.67	296.09	352.79		
Totals							1,293,250.98	607.83	724.22	1,294,583.03	1,174,425.97
Attala	A01	480	MS	100%	Natural Gas	589,365.18	589,365.18	277.00	330.04		
Attala	A02		MS	100%	Natural Gas	641,792.89	641,792.89	301.64	359.40		
Totals		480					1,231,158.06	578.64	689.45	1,232,426.15	1,118,038.20
Baxter 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		
Totals		1321					0.00	0.00	0.00	0.00	0.00
Big Cajun 2 ⁽⁵⁾	2B3 (3)	257	LA	42%(5)	Coal	1,322,866.62	555,590.12	150.01	2,811.29		
Totals		257					555,590.12	150.01	2,811.29	558,551.42	506,709.32
Calcasieu Plant	GTG1	322	LA	100%	Natural gas	27,740.86	27,740.86	13.04	15.53		
Calcasieu Plant	GTG2		LA	100%	Natural gas	42,960.66	42,960.66	20.19	24.06		
Totals		322					70,701.52	33.23	39.59	70,774.34	64,205.40
Choctaw County	CTG1		MS	100%	Natural gas	706,284.19	706,284.19	331.95	395.52		
Choctaw County	CTG2		MS	100%	Natural gas	722,041.64	722,041.64	339.36	404.34		
Choctaw County	CTG3		MS	100%	Natural gas	719,817.49	719,817.49	338.31	403.10		
Totals							2,148,143.32	1,009.63	1,202.96	2,150,355.90	1,950,770.06
Gerald Andrus	1	761	MS	100%	Gas/Oil	157,636.09	157,636.09	74.09	88.28		
Totals		761					157,636.09	74.09	88.28	157,798.45	143,152.35
Hardin County Peaking Facility		146	TX	100%	Natural Gas	49,013.83	49,013.83	23.04	27.45		
Hardin County Peaking Facility		140	TX	100%	Natural Gas	44,929.67	44,929.67	21.12	25.16		
Totals							93,943.50	44.15	52.61	94,040.26	85,311.89
Hinds Energy Facility	H01	456	MS	100%	Gas CT	720,173.48	720,173.48	338.48	403.30		
Hinds Energy Facility	H02	450	MS		Gas CT	670,261.15	670,261.15	315.02	375.35		
Hinds Energy Facility	Unit 2	29	MS		Gas CT	2,782.50	2,782.50	1.31	1.56		
Totals		485				,	1,393,217.13		780.20	1.394.652.14	1,265,207.14
Hot Spring Energy Facility	CT-1		AR	100%	Gas CT	450,370.57	450,370.57	211.67	252.21	1,001,002.11	1,200,201.11
Hot Spring Energy Facility	CT-2	620	AR		Gas CT	500222.184	500,222.18		280.12		
Totals		620					950,592.75		532.33	951,571.86	863,251.47
Independence	1	472	AR	56.5%	Coal	3,320,520.4	1,876,094.00	506.55	9,493.04	931,371.00	003,231.47
Independence	2	332	AR	39.37%		2,766,273.94		294.05	5,510.76		
Totals	=	804	, 41	55.01 /0		_,, 55,215.54	2,965,176.05	800.60	15,003.79	2 080 080 44	2,704,299.96
Lake Catherine	4	547	AR	100%	Gas/Oil	110,584.03	110,584.03	51.97	61.93	2,960,960.44	2,704,299.90
	-	547	ΔN	10070		110,304.03				440 607 02	100 400 47
Totals Lake Charles Power Station	10			4000/	Natural Ca-	1 164 002 00	110,584.03		61.93	110,697.93	100,423.47
	1A 1B	877	LA		Natural Gas Natural Gas	1,161,893.03	1,161,893.03	546.09	650.66		
Lake Charles Power Station	1B	077	LA	100%	. tuturar GdS	1,151,354.13	1,151,354.13		644.76	0.045.000.00	0.400.704.00
Totals		877			0/0"	#10.CT.	2,313,247.16	1,087.23	1,295.42	2,315,629.80	2,100,704.02
Lewis Creek	1	260	TX		Gas/Oil	510,224.70	510,224.70	239.81	285.73		
Lewis Creek	2	260	TX	100%	Gas/Oil	594,681.58	594,681.58		333.02		
Totals		520					1,104,906.28	519.31	618.75	1,106,044.33	1,003,386.54
Little Gypsy	1	244	LA		Gas/Oil	0.00	0.00	0.00	0.00		
Little Gypsy	2	436	LA		Gas/Oil	8,945.54	8,945.54	4.20	5.01		
Little Gypsy	3	573	LA	100%	Gas/Oil	376,890.50	376,890.50	177.14	211.06		

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	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					385,836.04	181.34	216.07	386,233.45	350,385.09
Montgomery County Power Station	CT1		TX	92%	CCGT	1,308,511.99	1,209,588.48	568.51	677.37		
Montgomery County Power Station	CT2		TX	92%	CCGT	1,261,062.74	1,165,726.40	547.89	652.81		
Totals		0					2,375,314.88	1,116.40	1,330.18	2,377,761.46	2,157,068.91
Ninemile Point	3	135	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Ninemile Point	4	748	LA	100%	Gas/Oil	935,458.59	935,458.59	439.67	523.86		
Ninemile Point	5	763	LA	100%	Gas/Oil	1,353,900.91	1,353,900.91	636.33	758.18		
Ninemile Point	6A	280	LA	100%	CCGT	895,537.20	895,537.20	420.90	501.50		
Ninemile Point	6B	280	LA	100%	CCGT	899,186.75	899,186.75	422.62	503.54		
Totals		1646					4,084,083.45	1,919.52	2,287.09	4,088,290.05	3,708,834.35
New Orleans Power Station	1	132	LA	100%	Natural Gas	109,458.29	109,458.29	51.45	61.30		
Totals		132					109,458.29	51.45	61.30	109,571.03	99,401.17
Ouachita Power	CTGEN1	242	LA	100%	Natural gas	501,359.69	501,359.69	235.64	280.76		
Ouachita Power	CTGEN2	244	LA	100%	Natural gas	553,428.83	553,428.83	260.11	309.92		
Ouachita Power	CTGEN3	241	LA	100%	Natural gas	618,591.48	618,591.48	290.74	346.41		
Totals		727				•	1,673,380.00	786.49	937.09	1,675,103.58	1,519,628.41
Perryville	1-1		LA	100%	Gas/Oil	822,724.61	822,724.61	386.68	460.73		
Perryville	1-2	718	LA	100%	Gas/Oil	843,738.26	843,738.26	396.56	472.49		
Perryville	2-1		LA	100%	Gas/Oil	60,330.46	60,330.46		33.79		
Totals		718					1,726,793.32	811.59	967.00	1.728.571.92	1,568,134.07
										, ,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
R S Nelson	4	500	LA 		Gas/Oil	0.00	0.00	0.00	0.00		
R S Nelson ⁽⁶⁾	6	385	LA	80.9%	Coal	1,917,858.68	1,551,547.67		7,850.83		
Totals		885					1,551,547.67	418.92	7,850.83	1,559,817.42	1,415,042.56
Sabine	1	230	TX		Gas/Oil	286,827.37	286,827.37	134.81	160.62		
Sabine	2	230	TX		Gas/Oil	0.00	0.00	0.00	0.00		
Sabine	3	420	TX		Gas/Oil	501,079.33	501,079.33	235.51	280.60		
Sabine	4	530	TX		Gas/Oil	1,145,726.24	1,145,726.24	538.49	641.61		
Sabine	5	480	TX	100%	Gas/Oil	420,542.89	420,542.89	197.66	235.50		
Totals		1890					2,354,175.83	1,106.46	1,318.34	2,356,600.63	2,137,872.13
Sterlington	7AB	102	LA		Gas/Oil	0.00	0.00		0.00		
Sterlington	7C	101	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Totals		203					0.00	0.00	0.00	0.00	0.00
St Charles Power Station	1A	926	LA		CCGT	1,093,886.29	1,093,886.29	514.13	612.58		
St Charles Power Station	1B		LA	100%	CCGT	1,043,486.11	1,043,486.11	490.44	584.35		
Totals		926					2,137,372.39	1,004.57	1,196.93	2,139,573.89	1,940,988.78
Union Power Station ⁽⁷⁾	CT 1	495	AR	100%	Gas	789,162.54	789,162.54	370.91	441.93		
Union Power Station	CT 2		AR	100%	Gas	791,418.05	791,418.05	371.97	443.19		
Union Power Station	CT 3	495	AR	100%	Gas	734,323.73	734,323.73	345.13	411.22		
Union Power Station	CT 4		AR	100%	Gas	727,779.91	727,779.91	342.06	407.56		
Union Power Station	CT 5	495	AR	100%	Gas	721,700.63	721,700.63	339.20	404.15		
Union Power Station	CT 6		AR	100%	Gas	681,308.46	681,308.46	320.21	381.53		
Union Power Station	CT 7	495	AR	100%		673,071.97	673,071.97	316.34	376.92		
Union Power Station	CT 8		AR	100%	Gas	673,487.76	673,487.76	316.54	377.15		
Totals		1980					5,792,253.04	2,722.36	3,243.66	5,798,219.06	5,260,055.85
Washington Parish Energy Center	CT1		LA	100%	Gas	91,783.77	91,783.77	43.14	51.40		
Washington Parish Energy Center	CT2	361	LA	100%	Gas	94,868.78	94,868.78	44.59	53.13		
Totals		361					186,652.55	88	105	186,844.81	169,502.76
Waterford	1	411	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Waterford	2	411	LA	100%	Gas/Oil	155,316.87	155,316.87	73.00	86.98		

Generating facility and EPA Acid Rain Unit ID	EPA Acid Rain Unit ID (Entergy ID if different)	Max capacity (MW)	State		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	3,484.90	3,484.90	1.64	1.95		
Totals		822					158,801.77	74.64	88.93	158,965.34	144,210.93
White Bluff	1	465	AR	57%	Coal	1,602,500.37	913,425.21	246.62	4,621.93		
White Bluff	2	481	AR	57%	Coal	2,747,399.47	1,566,017.70	422.82	7,924.05		
Totals		946					2,479,442.91	669.45	12,545.98	2,492,658.34	2,261,301.61

Totals

45,723,181.67	39,403,259	17,009	56,049
		short tons	short tons
short tons CO2	short tons CO2	CO2e	CO2e
Total unit CO2	Entergy equity	Entergy	Entergy
CO2 fro	m CEM	CH4	N2O

39,476,317.05	35,812,312.42
Total Facility CO2e in short tons	Total CO2e in metric tons

- (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 283, Couch 182, Lake Catherine 1-3, Louisiana Station 2 (units 10-12), Ninemile 182, Nelson 3, Richie 182, 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 2023

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.

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

CO2e Emissions reported under Mandatory Reporting Rule		CO2e Emissions reported under Mandatory Reporting Rule	
Plant	(short tons of all gases in 2022)	(metric tons of all gases in 2022)	Comments
	[obtained from Power Generation unless otherwise noted]	[obtained from Power Generation unless otherwise noted]	
Fossil fuel generating stations			
Attalla	0.0	0.0	No Subpart C affected sources
Baxter Wilson	2,482.7	2,252.9	
Calcasieu	0.0	0.0	No Subpart C affected sources
Choctaw	2,667.0	2,420.2	
Gerald Andrus	0.0	0.0	
Hinds County	83.1	75.4	
Hot Spring	0.0	0.0	No Subpart C affected sources
Independence	506.9	460.0	(~50% ownership share)
Lake Catherine	3,137.3	2,847.0	
Lewis Creek	1,538.3	1,395.9	
Little Gypsy	1,662.8	1,508.9	
RS Nelson	0.0	0.0	No Subpart C affected sources (80.9% ownership share)
Ninemile Point	3,753.4	3,406.0	
Ouachita	2,208.0	2,003.6	
Perryville	2,981.1	2,705.2	
Rex Brown	0.0	0.0	Retired in 2011
Sabine	0.0	0.0	
St Charles	0.0	0.0	No Subpart C affected sources
Union	0.0	0.0	No Subpart C affected sources
Waterford	0.0	0.0	No Subpart C affected sources
White Bluff	1,855.1	1,683.3	(57% ownership share)
Power Gen TOTAL	22,875.8		

	2023 Generator Data					
Source	lbs CO2e	short tons CO2e	metric tons CO2e			
Power Through	1,264,122.39	632.06	573.40			
Power Delivery	6,939,932.99	3,469.97	3,147.90			
Total	8,204,055.38	4,102.03	3,721.30			

Nuclear generating stations ⁽²⁾⁽³⁾	Plant total small sources CO2e (short tons using 2005 estimate calculations)
River Bend	301.6
Waterford 3	1,222.9
Grand Gulf	384.6
Arkansas Nuclear 1&2	3,665.8
Nuclear TOTAL (short tons)	5,574.9

All small source totals	32,552.7
-------------------------	----------

- (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 equitity 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.

2022 Fugitive SF6 Emissions Estimate				
SF6 Emissions (short tons) (1)	Global Warming Potential (GWP) (2)	Total CO2 Equivalent Emissions (short tons)	Total CO2 Equivalent Emissions metric tons)	
1.62	22,800	36,936.0	33,507.7	

⁽¹⁾ Converted 1,3565.8 pounds to short tons - the amount of emissions reported for RY 2022

Fugitive SF6 3/22/2024

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	4,037,915	Based on 2017 Entergy data provided by Carolanne
Gasoline	G	1,456,306	Nichols, it is assumed that totals for all bi-fuel categories are split at a 90/10 ratio between
BiFuel-Gasoline/Ethanol	s	1,388,260	constituent fuel types and are calculated as such. Bi- fuels are separated below into its constituent fuel type category and emissions calculated. Green Plug-In
BiFuel-Gasoline/CNG	A	0	(JEMS) units run on diesel on the highway and
BiFuel-Gasoline/LPG	В	0	electricity on the job site.
BiFuel-Diesel/Electricity	F	0	CNG is measured in Gallons of Gasoline Equivalency
Propane	Р	66	or GGE. One gallon of CNG or GGE has the same energy value as a gallon of gasoline.
CNG	С		energy value as a gallon or gasoline.
LPG	L	221	"Unknown" split evenly (50/50) between diesel and
Green Plug-In JEMS	J	83,876	gasoline.
BiFuel-Gasoline/Electricity	н	531	Total 2023 Fuel purchases
Unknown	-	0	
Jet fuel		373,255	Total 2023 Fuel Purchase
Total gallons cons	sumed	7,340,430	

Tota	al units of each	fuel type		CO2 using EPA	Climate Leaders Efs	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 (lbs CO2/MMBtu)	Total CO2 Emissions (short tons)	Emissions Factor (kg CO2/Gallon)	Total CO2 Emissions (short tons)	
Diesel	4,121,791	0.1387	571,692	159.68	45,644	10.15	46,116	
Gasoline	2,706,271	0.1251	338,555	156.44	26,482	8.81	26,281	
Ethanol (E85)	138,826	0.0843	11,703	149.59	875	5.56	851	
CNG	0	0.1251	0	116.41	0	See note	0	
LPG	221	0.092	20	138.76	1	5.79	1	
Propane	66	0.092	6	138.32	0	5.79	0	
Jet fuel	373,255	0.135	50,389	154.72	3,898	9.57	3,937	
Totals	7,340,430		972,366		76,901		77,187	

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 sources											
N2O	gallons consumed	g N2O/gal fuel	total kg N2O	short tons	CO2e short tons							
Gasoline	2,706,271	0.22	595.38	0.669	199.25							
Diesel	4,121,791	0.26	1,071.67	1.203	358.64							
Jet Fuel	373,255	0.26	97.05	0.109	32.48							
Propane	66	0.26	0.02	0.000	0.01							
CNG	0	0.26	0.00	0.000	0.00							
LPG	221	0.26	0.06	0.000	0.02							
Ethanol	138,826	0.26	36.09	0.041	12.08							
total					602.46							

Mobile Combustion 3/22/2024

	CH4 from mobile sources											
CH4	gallons consumed	g CH4 /gal fuel	total kg CH4	short tons	CO2e short tons							
Gasoline	2,706,271	0.50	1,353.14	1.520	37.99							
Diesel	4,121,791	0.58	2,390.64	2.685	67.12							
Jet Fuel	373,255	0.58	216.49	0.243	6.08							
Propane	66	0.58	0.04	0.000	0.00							
CNG	0	0.58	0.00	0.000	0.00							
LPG	221	0.58	0.13	0.000	0.00							
Ethanol	138,826.02	0.58	80.52	0.090	2.26							
total					113.45							
Total N2O and CH4 CO	D2e			ı	715.91							
Total Estimated Emissions from Mobile Sources (short tons CO2e) 77,90:												
Total Estillated El	maandha monn Mobile a	ources (Short to	nis coze)		11,903							

Mobile Combustion 3/22/2024

Emissions from natural gas from T&D operations

The calculation for Gas Operations below is based on as reported data from the GHG Summary Report for 2022. 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	Total C02 equivalent emissions (short tons)
Entergy Louisiana, L.L.C. Gas Business	10,395.4	11,459.0
Entergy New Orleans, Inc. Gas Business	12,420.4	13,691.1
SUB-TOTAL		25,150.1

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

	Spi	ndletop 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)		
Fugitive Emissions from Storage Facilities	1	675.4	675.40	744.50	18,612.50		
Vented Emissions from Storage Facilities	1	217.3	217.30	239.53	5,988.30		
SUB-TOTAL	24,600.80						

See note 3 See note 4

TOTALS FROM FUGITIVE NATURAL GAS

49,751 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.
- * This category is carried forward from previous years

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

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 - No changes made

2021-2023 Update - Updated Entergy owned space & capital lease space

	square footage air- conditioned	EF: fugitive HFCs (short tons CO2e/sq ft) *	Facility fugitive HFC (short tons CO2e)
Mississippi	573,651	0.00078	447
Arkansas	941,604	0.00078	734
Louisiana	666,651	0.00078	520
New Orleans	172,295	0.00078	134
Texas	630,420	0.00078	491
ESI	1,020,160	0.00078	795
Total Fugitive HFCs	4,004,781		3,121.66

ETRFossilRenewablePortfolio 6.9.2021.xlsx (entergy.com)

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

From Nuclear facility			From all Entergy-or	wned vehicles			
lbs HFC charged	EF: fugitive HFCs as	Facility fugitive HFC		Total CO2 from mobile sources (short tons)		EF: HFC as % of	Facility fugitive HFC
equipment	CO2e (GWP=1300)	(short tons CO2e)				CO2 emissions **	(short tons CO2e)
	0 1300	0	Vehicular A/C		77,903	3.50%	2,727
Entergy nuclear facilities do not use HFCs for cooling	-		Total CO2 from all m	nobile source fuels are included			-

Total fugitive HFC emissions

5,848 short tons CO2e

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

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

Fugitive HFCs 3/22/2024

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

Galodiation to Colimate III Go II on	around to commute in the first medicate at percentage of the commence of the medicate attended to equipment loantage and minorganism												
	HFC Emissions Estima	ite				Emissions factor							
Vehicle type	HFC capacity (kg	annual leakage rate	CO2 emissions (kg	Miles per gallon	Miles per year	Emission factor (kg	CO2 Emissions (kg	Emissions factor: HFC					
	HFC)	(percentage)	CO2e/yr-veh);			CO2/gal)	CO2/yr-veh)	emissions (CO2e) to CO2					
			GWP=1100					(as %)					
Car	0.8	20%	176	20	15,000	8.87	6,653	2.6%					
light truck	1.2	20%	264	15	15,000	8.87	8,870	3.0%					

Fugitive HFCs 3/22/2024

						Purchased	Goods and Se	rvices						
1.1.1.1.10.10		2023 Spend	Inflation Adinatus and		CO2	CI	H4	l N	20	Other	GHGs	CO2e	CO2e	CO2e
Industry/Commodity		zuza spena	Inflation Adjustment	Emission Factor	Emissions (kg)	Emission Factor	Emissions (kg)	Emission Factor	Emissions (kg)	Emission Factor	Emissions (kg)	kg	short tons	metric tons
Administrative and														
Support Services	\$	277,476,660.33	\$ 249,728,994.30	0.088	21,976,151.50	0.001	249,728.99	0	0.00	0.004	998,915.98	29,218,292.33	32,207.11	29,217.80
Chemical Products	\$	48,299,030.15	\$ 43,469,127.13	0.282	12,258,293.85	0.001	43,469.13	0	0.00	0.01	434,691.27	13,779,713.30	15,189.28	13,779.48
Computer and														
Electronic Products	\$	246,599,854.56	\$ 221,939,869.10	0.043	9,543,414.37	0	0.00	0	0.00	0.004	887,759.48	10,431,173.85	11,498.21	10,431.00
Construction	\$	102,829,077.66	\$ 92,546,169.89	0.259	23,969,458.00	0.002	185,092.34	0	0.00	0.02	1,850,923.40	30,447,689.90	33,562.27	30,447.18
Electrical equipment, appliances, and														
components	\$	525,326,183.46	\$ 472,793,565.11	0.197	93,140,332.33	0.001	472,793.57	0	0.00	0.011	5,200,729.22	110,160,900.67	121,429.56	110,159.05
Fabricated Metal														
Product	\$	9,522,363.53	\$ 8,570,127.18	0.225	1,928,278.61	0.001	8,570.13	0	0.00	0.008	68,561.02	2,211,092.81	2,437.27	2,211.06
Machinery	\$	75,212,703.11	\$ 67,691,432.80	0.167	11,304,469.28	0.167	11,304,469.28	0	0.00	0.043	2,910,731.61	296,826,932.82	327,190.18	296,821.94
Miscellaneous														
professional, scientific,														
and technical services	\$	141,931,117.04	\$ 127,738,005.34	0.109	13,923,442.58	0.001	127,738.01	0	0.00	0.004	510,952.02	17,627,844.74	19,431.05	17,627.55
motor vehicles, bodies and trailers	s	86,833,662.09	\$ 78,150,295.88	0.174	13,598,151.48	0.001	78.150.30	0	0.00	0.019	1,484,855.62	17,036,764.50	18.779.50	17,036.48
Petroleum and coal														·
products	\$	25,991,540.11	\$ 23,392,386.10	0.755	17,661,251.50	0.018	421,062.95	0	0.00	0.005	116,961.93	28,304,787.18	31,200.16	28,304.31
Utilities	\$	959,265,159.05	\$ 863,338,643.14	2.884	2,489,868,646.83	0.005	4,316,693.22	0	0.00	0.01	8,633,386.43	2,606,419,363.65	2,873,037.22	2,606,375.52
Waste management	Ė												,	
and remediation								1						
services	\$	85,501,847.18	\$ 76,951,662.46	0.274	21,084,755.51	0.044	3,385,873.15	0	0.00	0.013	1,000,371.61	106,731,955.83	117,649.86	106,730.16
Total	\$	2,584,789,198.27	\$ 2,326,310,278.44		2,730,256,645.86		20,593,641.05		0.00		24,098,839.58	3,269,196,511.59	3,603,611.68	3,269,141.52

						Ca	pital Goods							
		0000 0	la fintina Adiantana	CO2		Cl	CH4		N20		Other GHGs		CO2e	CO2e
Industry/Commodity		2023 Spend	Inflation Adjustment	Emission Factor	Emissions	Emission Factor	Emissions	Emission Factor	Emissions	Emission Factor	Emissions	(kg)	(Short Tons)	(Metric Tons)
Administrative and														
Support Services	\$	74,509,120.39	\$ 67,058,208.35	0.088	5,901,122.33	0.001	67,058.21	0	0.00	0.004	268,232.83	7,845,810.38	8,648.38	7,845.68
Chemical product	\$	1,487,323.68	\$ 1,338,591.31	0.282	377,482.75	0.001	1,338.59	0	0.00	0.01	13,385.91	424,333.45	467.74	424.33
Computer and														
	\$	272,278,458.19	\$ 245,050,612.37	0.043	10,537,176.33	0	0.00	0	0.00	0.004	980,202.45	11,517,378.78		11,517.19
Construction	\$	479,448,251.33	\$ 431,503,426.20	0.259	111,759,387.39	0.002	863,006.85	0	0.00	0.02	8,630,068.52	141,964,627.22	156,486.58	141,962.24
Electrical equipment,														
appliances, and	١.							_						
components Fabricated metal	\$	283,839,919.66	\$ 255,455,927.69	0.197	55,916,464.17	0.001	255,455.93	0	0.00	0.011	2,810,015.20	65,112,877.57	71,773.45	65,111.78
products	_	700,000.00	\$ 630,000.00	0.225	157,500.00	0.001	630.00	0	0.00	0.008	5.040.00	178,290.00	196.53	178.29
Machinery	3		· · · · · · · · · · · · · · · · · · ·								-,			
Miscellaneous	\$	8,100,802.32	\$ 7,290,722.09	0.167	1,352,833.99	0.167	1,217,550.59	0	0.00	0.043	313,501.05	32,105,099.75	35,389.22	32,104.56
professional, scientific.														
and technical services	s	403.107.717.72	\$ 362,796,945.95	0.109	39.544.867.11	0.001	362.796.95	0	0.00	0.004	1.451.187.78	50.065.978.54	55.187.37	50,065.14
Motor vehicles, bodies	Ť	,,	7 012,100,010.00				,				.,,			
and trailers	\$	4,094,409.75	\$ 3,684,968.78	0.174	641,184.57	0.001	3,684.97	0	0.00	0.019	70,014.41	803,323.19	885.50	803.31
Petroleum and coal				0.755										
products	\$	477,337.43	\$ 429,603.69	0.755	324,350.78	0.018	7,732.87	0	0.00	0.005	2,148.02	519,820.46	572.99	519.81
Utilities	\$	1,100,197,772.42	\$ 990,177,995.18	2.884	3,172,970,375.66	0.005	4,950,889.98	0	0.00	0.01	9,901,779.95	3,306,644,405.01	3,644,890.22	3,306,588.78
Waste and remediation					-				•					
	\$	58,915,670.84	\$ 53,024,103.76	0.274	14,528,604.43	0.044	2,333,060.57	0	0.00	0.013	689,313.35	73,544,431.91	81,067.50	73,543.19
Total	\$	2,687,156,783.73	\$ 2,418,441,105.36		3,414,011,349.51		10,063,205.49		0.00		25,134,889.48	3,690,726,376.26	4,068,261.00	3,690,664.29

Total CO2		Total	CH4	Tota	l N20	Total O	ther GHGs	Total	Co2e
6,144,267,995.37 kg		30,656,846.54	kg	0.00	kg	49,233,729.07	kg	6,224,158,570.97	kg
6,772,782.18 sho	ort tons	33,792.82	short tons	0.00	short tons	54,269.98	short tons	6,860,844.99	short tons
6,145,900.35 me	etric tons	30,664.99	metric tons	0.00	metric tons	49,246.81	metric tons	6,225,812.15	metric tons

Sources

Emissions Factors $\underline{SupplyChainEmissionFactorsforUSIndustriesCommodities.xlsx~(live.com)}$ Spend Category Reference

APPENDIX 3 - INDUSTRY AND COMMODITY REFERENCE LISTS .PDF

Inflation Adjustment 2024 Conversion Factor of 0.9 was used to adjust 2023 spend to 2021 USD leveraging GDP, CPI and PPI; came from Corporate Commercial Analytics

Other GHGs (from EPA)

Other GHGs	GWP-100 Factors	Unit
butane, perfluorocyclo-, pfc-318	10300	kg 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	17200	kg CO2 eq.
propane, 1,1,1,3,3,3- hevafluoro- hcfc-236fa	9810	kg CO2 eq.
propane, perfluoro-	8830	kg CO2 eq.
sulfur hexafluoride	22800	kg CO2 ea.

	Power purchased to serve utility customers							
Controllable power purchases					2023			
Code	Plant description	FACILITY CODE (SPO)	State	Total Entergy purchased from plant (MWh)	Unit/Plant-Specific Emission Factor (Ibs CO2/MWh), Based on Total Output [from eGRID2022 data, accessed 01/31/2024 unless otherwise noted]	CO2 emissions from puchased power (short tons) [using eGRID Unit-Specific Factors (when available)]		
Code	Plant description	FACILITY CODE (SPO)	LA	73.205	uniess otherwise noted 89.1	3,260.9	Comments/Notes	
			LA	117,366	- 05.1	3,200.5		
			LA	3,223,618	758.9	1,223,279.2		
			TX	260,700	872.3			
			LA	673,744				
			LA	95,809		-		
			TX	12,611	-	-		
			LA	623,235	1,088.04			
			LA	3,248,444	801.179	1,301,292.6		
			LA	164,132	-			
			LA	39,721	-			
			AR	163,167		-		
			LA	99,507				
			TX LA	34,207 204,457			-	
Tetale			LA			0.000 500 4	short tons CO2	
Totals				9,033,923		2,980,586.4	SHORE COZ	
	N2O emissions from controlled purchases (SERC MS Valley	Total Output Rate, eGRID2022)		0.006	lbs/MWh	8,076.3	short tons CO2e	
	CH4 emissions from controlled purchases (SERC MS Valley	Total Output Rate, eGRID2022)	•	0.040	lbs/MWh	4,517.0	short tons CO2e	

* - some units may be in different control areas or eGRID subregions; however, impact to the overall GHG inventory is expected to be negligible.

Total CO2e from Controllable Purchases	TOTAL	2,993,179.7 short tons CO2e	
--	-------	-----------------------------	--

Download Data | US EPA

Indirect Emissions associated with purchased power	Total pchsd power MWh	Loss factor	Total power lost MWh	
CO2 emissions from T&D losses of purchased power on Entergy system	25,354,553	3.4109	864,493	285,224.4 short tons CO2
CH4 emissions from T&D losses of purchased power on Entergy system				432.2 short tons CO2e
N2O emissions from T&D losses of purchased power on Entergy system				772.9 short tons CO2e
		•		

TOTAL 286,429.5 short tons 0	:O2e
------------------------------	------

Purchased & Market Power Purchases							
Purchase Type	MWh		CH4 Emissions (ST CO2e)	N2O Emissions (ST CO2e)		Total CO2e (MT)	
Controllable Purchases	9,033,923	2,980,586	4,517.0	8,076	2,993,179.71	2,715,367.74	
Uncontrollable (Market) Purchases	16,320,630	6,536,535	8,160.3	14,591	6,559,285.68	5,950,485.58	
	25,354,553	9,517,121	12,677	22,667	9,552,465.39	8,665,853.32	

MWh Market Purchases provided by internal System Planning and Operations team; emissions estimated using eGRID factors

TOTAL 3,27	9,609.25 short tons CO2e
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Entergy offices outside of service territory emissions							
		Approx energy	CO2 emissions	CH4 emissions		Total emissions CO2e	
Office	Sqr Ft	consumption (Mwh) ₁	short tons	short tons	N20 Emissions (Lb/MWh)	short tons	total emissions metric tons CO2e
Austin	9,534.00	214.52	82.70443487	1.57	0.02	84.29	76.47
Washington DC	12,407.00	279.16	86.95574673	1.95	0.02	88.94	80.68
		Total	169.6601816	3.52	0.04	173.22	157.15

1 Department of Energy estimate, 22.5 kwh per sq ft, annually 2 eGRID factors used to estimate emissions for sites, ERCOT for Austin and SERC Virginia/Carolina for DC office.

Estimated Losses and Consumption								
Operating Company	Generation GWh	Purchases GWh	Total Power	Losses & Company Usage	% Lost			
EAI	28,179	4,289	32,468	1,280	0.039423432			
ELL	52,593	15,363	67,956	1,933	2.84448761			
EMI	12,078	4,670	16,748	701	4.185574397			
ENOI	3,517	4,622	8,139	128	1.572674776			
ETI	11,864	11,176	23,040	786	3.411458333			
SERI	7,739		7,739	(29)	-0.374725417			
ELIM		(15,341)	(15,341)					
TOTALS*	115,970	24,779	140,749	4,799	0.034096157			

Source: 2021 Investor Guide pg 36 4,828.00 Total Loss 135,794.00 Total Power 0.0341 % Loss

Purchased power 3/22/2024

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 Deliveries (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
564,255,728	17,263,978	14.1	14875.5	8,393,586,081,864	256,810,304,739	8,650,396,386,603	19,053,736,534	9,526,868	8,642,632

Notes and Sources

1 - NETL 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			
6,487,797,289,952	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)
2,162,599,096,651	1,874,697	TOTAL CO2, CO2e	CO2 ~= 25% of Total Natural Gas Industry CO2e GHG Emissions in the U.S. (Exhibit 6-11, p. 44, NETL report)
0.0000	937	TOTAL N2O, CO2e	N2O = 0.0005 lbs CO2e N2O/lb 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

This section of the GHG inventory was produced in 2024 using 2023 actual travel numbers from AMEX travel.

Overall Summary	CO2 Emissions (lbs)	CO2 Emissions (short tons)	CO2 Emissions (metric tons)
Airline Flights	5,287,869	2,644	2,399
Rental Cars	551,193	276	250
Hotel Stays	1,643,741	822	746
Personal Vehicle Use	6,772,383	3,386	3,072
TOTAL ESTIMATE	14,255,186	7,128	6,467

Airline GHG Footprint Estimate

Year	Distance Flown (miles)	CO2 Footprint (lbs)	CO2 Footprint (short tons)	CO2 Footprint (metric tons)					
2023	11,993,382	5,287,869	2,644	2,399					

Note: The AMEX Travel group provided the CO2 footprint estimate calculations - have requested details of assumptions and calculations

Rental Car GHG Footprint Estimate

Mileage Assumptions and Calculations

		· mange / commputer of and contained on the								
Year			30% @ 10 mpd 30% @ 20 mpd		15% @ 50 mpd	5% @ 100 mpd				
2023	27,499	27,499	82,497	164,994	206,243	137,495				

	618,727.5	miles
GRAND TOTAL	249,965.9	kg CO2 (@411 grams CO2 per mile)
	551,192.7	lb CO2
	275.6	short tons
	250.0	metric tons

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

Hotel Nights

Year 2023		Number of Days/Nights 54,791	Assumed kwh usage per room per day	Emission Rate Assumption (lbs per MWh)	Natural Gas Usage per room per night (mmBtu)	Total Emissions (lbs)	Total Emissions (short tons)	Total Emissions (metric tons)
	2023	54,791	30	1,000	0.097	1,643,741	821.9	745.6

 $\textbf{Source of assumptions and calculation:} \ https://www.epa.gov/sites/default/files/2018-12/documents/indirectemissions_draft2_12212018_b_508pass_3.pdf$

Employee Personal Vehicle Mileage

Employee Personal Car Mileage GHG Footprint Estimate

Year	Miles	kg CO2	lbs CO2	short tons CO2	metric tons CO2
2023	7,602,168	3,071,276	6,772,383	3,386	3,071.90

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

Employee Commuting Emission Calculations

Note: Survey administered in 2023 Commuter Travel Calculations

Commuting Emissions Summary

Employee Commuting 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				
Individual car	68,935,196	25,821,125	28,463	25,821	97.6%				
Public Transportation	467,886	64,320	71	64	0.2%				
Carpool	1,496,835	560,671	618	561	2.1%				
Bikers	-	-	-		0.0%				
Walkers	-	-	-	,	0.0%				
Total	70,899,916	26,446,116	29,152	26,446	100.0%				

		Employee 0	Commuting Total GHG Break	down		
Commuting method (more than 75% of				Total emissions short tons	Total Emissions metric tons	% total commuting
the time)	Miles travelled per year	Greenhouse gas	Total emissions kg CO2e	CO2e	CO2e	emissions
Individual car	68,935,196	CO2	25,092,411	27,659	25,093	94.9%
		CH4	44,877	49	45	0.2%
		N2O	683,837	754	684	2.6%
Public Transportation	467,886	CO2	64,077	71	64	0.2%
		CH4	42	0.05	0.04	0.0%
		N2O	201	0.22	0.20	0.0%
Carpool	1,496,835	CO2	544,848	601	545	2.1%
		CH4	974	1.07	0.97	0.0%
		N2O	14,849	16	15	0.1%
Bikers	-	CO2	-	-	-	0.0%
		CH4	-	-		0.0%
		N2O	-	-	-	0.0%
Walkers	-	CO2	-	-		0.0%
		CH4	-	-	-	0.0%
		N2O	-	-	-	0.0%
Total	70.899.916		26,446,116	29,152	26,446	100.0%

Commuting Survey Results & Workforce Estimations

Employee Count						
Survey Responses	940					
Total Workforce	11700					

Commuting Frequency									
	Community Frequency								
# of Commutes (Weekly)	Responses		Per Year Approx Commute Days (Individual)		Estimated Commutes for Full Workforce				
Remote (zero)	31	3	0	386	0				
0.5	92	10	24	1145	27483				
1	122	13	48	1519	72889				
2	153	16	96	1904	182819				
3	119	13	144	1481	213289				
4	247	26	192	3074	590277				
5	176	19	240	2191	525753				
TOTAL	940	100	744	11,700	1,612,509				

	Commuting Meth	Annual Commute Weighted Average Multiplier				
	Commutes weekly	Commutes annually	# responses (survey)			
Commuting Method	# Survey Responses	estimated employees	% of survey respones			
Remote	31	385.85	3.30%	0	0	123
Walkers =	6	74.68	0.64%			
Bikers =	6	74.68	0.64%	2	96	394
Carpoolers =	7	87.13	0.74%			
Public Transporters =	6	74.68	0.64%			
Individual Drivers =	884	11,002.98	94.04%	4.5	216	423
Total	940	11,700	100.00%	Total responses		940
				Commute wei	ghted average	137.44

	Commuting Distance (miles one-way)									
	Low	Avg	High	# Employees Estimated	SURVEY RESPONSES (#)	SURVEY RESPONSES (%)				
Remote	0	0	0	385.85	31	3.30%				
	1.0	2.5	5.0	1,369.15	110	11.70%				
	5.0	7.5	10.0	2,389.79	192	20.43%				
	10.0	15.0	20.0	2,551.60	205	21.81%				
	20.0	25.0	30.0	1,705.21	137	14.57%				
	30.0	40.0	50.0	1,854.57	149	15.85%				
	50.0	62.5	75.0	1,443.83	116	12.34%				
Total	116.0	152.5	190.0	11,700	940	100%				

Distribution of Commuting Method by Miles (Workforce Estimation)						
Survey	Individual Drivers	Carpoolers	Public	Bikers	Walkers	Remote
1 to 5 miles	1288	0	9	37.34	75	
5 to 10 miles	2247	0	15	37.34	0	
10-20 miles	2400	0	16	0	0	
20-30 miles	1604	0	11	0	0	
30 to 50 miles	1744	0	12	0	0	
50 to 75 miles	1358	87	9	0	0	
Total	11003	87	75	75	75	386

Estimated Emissions from Mileage and Method of Transport							
	one way	round trip					
Method of Transportation	(workforce)	(workforce)	annual miles (workforce)	annual gallons	lbs (workforce)	short tons (workforce)	metric tons (workforce)
Walkers =	188	375	51,539	-	-	-	-
Bikers =	373	747	102,640		-		-
Carpoolers =	5,445	10,891	1,496,835	24,947	498,945	249	226
Public Transporters =	1,702	3,404	467,886	1,872	37,431	19	17
Individual Drivers =	250,786	501,572	68,935,196	2,757,408	55,148,157	27,574	25,022
Total			71,054,096	2,784,227	55,684,532	27,842	25,265

Emissions Calculation for Public Transportation					
Method of Transit	# of miles	Total emissions kg CO2e			
50% Bus	233,943	25,071			
5% Intercity Rail	23,394	4,336			
5% Commuter Rail	23,394	4,032			
40% Transit Rail	187,154	30,638			
Total	467 886	64 077			

EPA Methodology	Method of travel	EFCO2 (kg Co2/vehicle-mile)	EFCH4 (g CH4/vehicle-mile)	EFN2O(g N2O/vehicle-mile)
	Individual car	0.364	0.031	0.032
E=VMT*(EFco2 + EFCH4*0.021 + EFN20*0.310)	Vanpool	0.519	0.036	0.047
E= total CO2e	Carpool	0.364	0.031	0.032
VMT= vehicle miles travelled per year	Bus	0.107	0.0006	0.0005
	Short haul airline			
EFco2= CO2 emissions factor	(domestic)	0.185	0.0104	0.0085
	Medium haul airline			
EFcH4= CH4 emissions factor	(continental)	0.229	0.0104	0.0085
	Long haul airline			
EF _{N20} = N2O emissions factor	(intercontinental)	0.277	0.0104	0.0085
0.021= conversion factor	Itercity rail	0.185	0.002	0.001
0.310= conversion factor	Commuter rail	0.172	0.002	0.001
*used for individual car, carnool and vannool	Transit rail	0.163	0.004	0.002

E=PMT*(EFoot + EFout*0.021 + EFoot*0.310)
E= total CO2e
PMT= passenger miles travelled per year
EFoot= CO2 emissions factor
EFoot= CM4 emissions factor
0.021= conversions factor
0.310= conversion factor

Estimating Fuel Use
Fuel use= DT x.FE
DT= Distance Vanished activity factor
DT= Distance Vanished activity factor
FE= Fuel economy factor (ie. kgCO2/mile, qCH4/mile, qN2O/mile) *see emissions factors chart above

*used to detrmine the breakdown of CO2, CH4, N20 within total CO2e.

EPA Methodology sourced from EPA website http://epa.gov/climateleadership/documents/resources/commute_travel_product.pdf_http://www.epa.gov/climateleadership/documents/resources/mobilesource_guidance.pdf

Assumptions
Employees who are either remote or commute every so often were treated as 'U' 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 '4.5' commutes weekly With 2 weeks of vacation, 12 holidays, we assumed an approximate 48 working weeks per year
We assume vasities walk under 5 miles one way, and cyclistablesrs bike up to 10 one-way
Carpocies and Varpocies a put in the over 30 miles category
Used micropion of mileage ranges surveyed
Assuming 20 pounds of CO2 emitted per galion of fue burned
Methodology sourced from EPA Climate Leaders: Greenhouse Gas Inventory Protocol Core Module Guidance
Methodology sourced from EPA Climate Leaders: Greenhouse Gas Inventory Protocol Core Module Guidance
Specific sections:

Optional Emissions from Community Business Travel and Product Transport*
Direct Emissions from Michole Combustions Sources*

Data sourced from 2023 Insuade employee survey reflecting 2022 community
Timed Emissions from Community Business 1 ravel and Product Transport*
Direct Emissions from Michole Combustions Sources*

Uis Census Bureau, Statistical Abstract of the United States: 2012

Product Combustion - Emissions from combustion of Natural Gas distributed to retail customers

Values below represent those reported in the RY 2022 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 (short tons)
Entergy Louisiana, L.L.C. Gas Business	357,964.2	394,587.5
Entergy New Orleans, Inc. Gas Business	589,013.7	649,275.7
TOTAL	946,977.9	1,043,863.2

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

Leased Assets							
Facility Name	Gross Load	Steam Load	CC)2	Heat Input (mmBtu)		
r acility Name	(MWh)	(1000 lb)	short tons	metric tons			
Louisiana 1	3333297.56	7,747,434.80	2,290,241.58	2,077,672.21	38,537,841.56		
			CH	14			
			short tons	metric tons			
			1,076.41	976.51			
	N20						
			short tons	metric tons			
			1,282.54	1,163.50			

 $\label{lem:decomposition} \mbox{Data obtained from EPA Clean Air Markets division: $$https://campd.epa.gov/data/custom-data-download updated $$2/7/24$$}$

EPA Climate Leaders Emissions Factors for Fossil Fuel and Biomass Combustion

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

				C	02 Emissions	kg	CC	2 Emissions	lbs		CH4 Emis	ssions			N20 Emiss	ions	
Fuel type	Heating Value (HHV): custom heating values should be used if available	Carbon content coefficient (kg C/MMBtu) (based on HHV)	Fraction oxidized	EPA emission factor (kg CO2/MMBtu (HHV)*	EPA emission factor (kg CO2/mass or volume unit)	EPA emission factor (kg CO2/mass or volume unit)	EPA emission factor (lbs CO2/MMBtu (HHV)*	EPA emission factor (lbs CO2/mass or volume unit)	EPA emission factor (lbs CO2/mass or volume unit)	EPA emission factor (g CH4/MMBtu)	EPA emission factor (kg CO2e/MMBtu) GWP=25	EPA emission factor (lbs	CH4 (CO2e) emissions factor (Ibs CO2e CH4/Ib CO2)	EPA emission factor	EPA emission factor (kg CO2e/MMBtu) GWP=298	EPA emission factor (lbs CO2e/MMBtu	N2O (CO2e) emissions (Ibs CO2e N2O/Ib CO2)
Liquid fossil	MMBtu/bbl	on nnv)	Oxidized	(nnv)	kg CO2/gallon	kg CO2/bbl	(nnv)	lbs CO2/gallon		(g CH4/IVIIVIBLU)	GWP-25	CO2e/MMbtu)	CO2)	(g N20/MMbtu)	GWP=290)	(02)
Gasoline / petrol	5.253	19.34	0.99	70.95	kg CO2/galloff 8.79		156.44	19.38									
Kerosene	5.670	19.72	0.99	71.58	9.66	405.88	157.84	21.31	894.97	1	omicciona facta	ro for all mobil	lo couroca ara	dependent on many	variables: for	mobilo oquro	on conquit the
Jet Fuel	5.670	19.33	0.99	70.17	9.47	397.74	154.72	20.88			emissions racio	is ioi all illobi		nce Protocol	variables, ioi	niobile sourc	es consuit the
Aviation gasoline	5.048	18.87	0.99	68.50	8.23	345.66	151.04	18.15					2.7.04.44				
Distillate fuel	0.010	10.01	0.00	00.00	0.20	0.10.00	101.01	10.10	702.10	1.8 (ind)	0.045	0.099	0.0006	.54 (ind)	0.16092	0.355	0.0022
(# 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		0.0009	.54 (elect gen)	0.16092	0.355	
D - 14 - 1 6 - 1 - 11 (#5.0)										1.8 (ind)	0.045	0.099	0.0006	1.8 (ind)	0.16092	0.355	
Residual fuel oil (#5,6)	6.287	21.49	0.99	78.01	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	0.0021
LPG	3.861	17.25	0.99	62.62	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		0.99	64.32	6.66	279.80	141.83	14.69	616.96		Note: C			or all mobile sources			riables;
Isobutane	4.162	17.75	0.99	64.43	6.42	269.52	142.07	14.15	594.29			for	mobile sources	s consult the EPA G	uidance Protoc	ol	
E85	e EPA Guidance					0.00	0.00		0.00								
CNG	1,027	14.47	0.995	52.79	.054 /cf			.12 /cf]							
LNG					5.91 /gal			13.01 /gal]							
Petroleum coke	6.024	27.85	0.99	101.10	609.00		0.00	0.00									
Gaseous fossil	MMBtu/mcf				cu. ft.			cu. ft.			,						
Natural gas (dry)	1.027	14.47	0.995	52.79	0.0542		116.41	0.1195		4.75 (ind) 0.95 (elect gen)	0.119 0.025		0.00225	0.095 (ind) 0.095 (elect gen)	0.028 0.030	0.062	
Solid fossil	MMBtu/short tor				short ton			short ton						, , ,			
Anthracite	05.00			100 50	0.570.00		222.22			10.0 (ind)			0.00265	1.4 (ind)			
Bituminous coal	25.09 24.93		0.99	102.58 92.53	2,573.83 2,306.74		226.20 204.03	5,675.30 5,086.36		1.0 (elect gen)	0.025		0.00027	1.4 (elect gen)	0.48		
Sub-bituminous coal	17.25		0.99	92.53	1,658.11		211.95	3,656.13					% of "unspecified of	coal: factors above for all	and towar	% OI	f "unspecified coal"
Lignite	17.25	26.46	0.99	95.12	1,356.61		210.51	2,991.33			,	JSE THE CH4/IN	20 emissions	lactors above for all	coai types		
Coke	24.80		0.99	101.10	2.507.17		222.92	5,528,31									
Unspecified (elec gen)	20.63		0.99	94.31	1,945.56		207.95	4,289.96									
Unspecified (indus)	23.03		0.99	93.47	2,151.84		207.93	4,744.81									
Biofuels	23.03	23.73	0.99	33.47	۷, ۱۵ ۱.04		200.11	7,174.01									
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		1.659	0.0081	4.01 (ind/elect gen)	1.19	2.63	0.0129
Landfill gas (50/50)	502.5 Btu/cu ft.	14.2	0.995	51.81	.0260 /cf		114.24	.05733 /cf		Note: CH4 and N	20 factors for v	vood are signif	icant. All fossi	I fuels are less than	1% compared	to the factors	for CO2.
Biodiesel					9.29 /gal			20.48 /gal	860.35 /gal	Note: CH4/N2O	emissions facto	rs for all mobile	e sources are	dependent on many	variables; for r	nobile source	es consult the
Ethanol (100)	3.539 MMBtu/bbl	17.99	0.99	65.30	5.5 /gal		143.99	12.13 /gal	509.46 /bbl	1				•			

Ecuiario (100) | 3.5.39 MMBIGUIDOI | 7.599 | 0.999 | 0.999 | 0.900 | 3.5.0 (API) | 14.5.999 | 1.2.13 (API) | 1.

Emission Factors 3/22/2024

Conversion Factors used in this inventory

1 metric ton CH₄

1metric ton N₂O

1 metric ton carbon

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	•	,
, ,			

21 metric tons CO₂ equivalent

3.664 metric tons CO₂

310 metric tons CO₂ equivalent

Conversion Factors 3/22/2024

Global Warming Potentials and Atmospheric Lifetimes (years)							
Gas Atmospheric Lifetime GWP ^a							
Greenhouse Gas	Atmospheric Lifetime	Global Warming Potential					
Carbon dioxide (CO2)	50-200	1					
Methane (CH4) ^{b,c}	12 +/- 3	25					
Nitrous oxide (N2O) ^c	120	298					
HFC-23 ^c	264	14,800					
HFC-125 ^c	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.

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

GWP 3/22/2024

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.

Color key to calculations in the Entergy GHG Inventory

The colored heading cells in each worksheet of this GHG inventory enable inventory managers and users update and understand the role of each step of the calculation process.

Yellow	Specific fuel or gas calculated	This heading identifies the fuel and emissions being calculated below it.
Red	Annual activity data input	This is an input cell for company activity or usage data related to this emissions source for a given facility, source or even corporate-wide. Examples of input data are gallons of gasoline, lbs of CO2 (provided as CEM data), or square footage of building space occupied by the company. This activity data is currently identified in the units provided during the completion of PNM's GHG inventory for years 2001-2003. For some de minimus emissions sources (such as fugitive HFCs from building space
Orange	Calculation constant	This cell contain as constant (coefficient) such as a conversion factor or unit measurement and does not to be changed annually unless there is a change to an emissions factor, input units or facility status.
Green	Calculation conversion subtotal	This figure is calculated automatically and is a subtotal or unit conversion resulting from a spreadsheet calculation such as MMBtu converted from mcf or gallons. This cell contains an emissions or conversion factor in its formula.
Blue	Emissions source total	This figure is calculated automatically and is a total of CO2e (CO2-equivalent) for a given emissions source (e.g. a facility or equipment type) and the sum of individual sources is carried into the annual corporate emissions table. This cell contains an emissions or conversion factor in its formula.
123.45	Emissions source total	Bolded cells contain a figure for total emissions in CO2e for that source and are carried to the corporate emissions totals sheet for emissions source comparison.

Color key 3/22/2024