



2025 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	
Scope 1 Direct Emission Sources	Stationary Combustion	Power generating units (includes emergency and backup generators)	CO2	41,171,159	37,349,847	54.77%	Stationary Combustion CEM	
			CH4	46,840	42,493	0.06%		
			N2O	57,249	51,936	0.08%		
		Small stationary combustion sources & generators (2022 updated methodology; co-located at generation stations, service stations and Power Through)	CO2	169,549	153,812	0.23%	All small stat cbn totals	
			CH4	90	82	0.00%		
			N2O	85	77	0.00%		
	Biomass power generation		Not applicable					
	Mobile Combustion	Corporate fleet	CO2	58,606	53,166	0.08%	Mobile Combustion	
			CH4	267	242	0.00%		
			N2O	1,420	1,288	0.00%		
	Biomass fleet		Not applicable					
	Fugitive Emissions	Natural gas transmission and distribution	CH4	39,746	36,057	0.05%	Fugitive CH4-NG T&D	
		Electricity transmission and distribution	SF6	79,452	72,078	0.11%	Fugitive SF6	
Cooling/air-conditioning (building, mobile and nuclear cooling eqpt)		HFCs	5,342	4,846	0.01%	Fugitive HFCs		
Process emissions	none applicable	Not applicable						
Total Emissions from Direct Sources				41,629,805	37,765,923	55.38%		
Scope 2 Indirect Emission Sources	Purchased Electricity	Power purchased for business operations outside Entergy service territory	CO2	162	147	0.00%	Purchased power	
			CH4	0	0	0.00%		
			N2O	0	0	0.00%		
	T&D losses & Company Usage	Entergy generated & purchased power consumed on Entergy T&D system and company location energy consumption	CO2	262,129	237,799	Note: these emissions are calculated for information only - they are NOT included in the subtotal or the grand total shown below because any T&D losses are accounted for by the scope 1 emissions necessary to make up for these losses.		
			CH4	473	430			
N2O	686	622						
Total Emissions from Indirect Sources				162	147		0.00%	
Scope 3 Indirect Emissions (Optional categories)	Category 1 Purchased Goods and Services (Contains Waste Spend Data)	Spend method	CO2	2,700,436	2,449,794		3.59%	Purchased and Capital
			CH4	543,434	492,995	0.72%		
			N2O	0	0	0.00%		
			Other GHGs	25,134	22,801	0.03%		
			Total (CO2e)	3,269,004	2,965,591	4.35%		
	Category 2 Capital Goods (Contains Waste Spend Data)	Spend method	CO2	4,932,432	4,474,627	6.56%	Purchased and Capital	
			CH4	538,332	488,367	0.72%		
			N2O	0	0	0.00%		
			Other GHGs	74,250	67,358	0.10%		
			Total (CO2e)	5,545,014	5,030,352	7.38%		
	Category 3 Fuel and Energy-Related Activities (Location based)	Controllable Purchased Power (contracted power where the source is known sold to customers, such as Power Purchase Agreements)	CO2	2,846,368	2,582,182	3.79%	Purchased Power	
			CH4	7,449	6,758	0.01%		
			N2O	5,141	4,664	0.01%		
			Total (CO2e)	2,858,959	2,593,604	3.80%		
		Non-Controllable Power (market purchases with exact source being unknown sold to customers)	CO2	9,895,157	8,976,736	13.16%		
			CH4	9,853	8,939	0.01%		
			N2O	14,277	12,952	0.02%		
	Total (CO2e)	9,919,287	8,998,626	13.19%				
	Category 3 Total	Total (CO2e)	12,778,246	11,592,230	17.00%			
	Category 4 Upstream Transportation	Gas supplier emissions - gas delivery (primarily CH4, but does include other GHGs)	CH4 (CO2e)	9,105,452	8,260,327	12.11%	Delivered Gas	
	Category 6 Business Travel	Travel by air, rental car, hotel stays and personal vehicles	CO2	8,362	7,586	0.01%	Business Travel	
			CH4	7	6	0.00%		
			N2O	18	16	0.00%		
Total (CO2e)			8,387	7,608	0.01%			
Category 7 Employee Commuting	Travel by employees to and from normal work locations	CO2	29,815	27,048	0.04%	Employee Commuting		
		CH4	53	48	0.00%			
		N2O	811	735	0.00%			
		Total (CO2e)	30,679	27,831	0.04%			
Category 11 Use of Sold Products	Gas Combustion by LDC customers	CO2	472,678	428,807	0.63%	Product Combustion		
		CH4	251	227	0.00%			
		N2O	236	214	0.00%			
		Total (CO2e)	473,165	429,248	0.63%			
Category 13 Leased Assets	Entergy facility leased for sole use of third party	CO2	2,333,425	2,116,848	3.10%	Leased Assets		
		CH4	1,237	1,122	0.00%			
		N2O	1,167	1,058	0.00%			
		Total (CO2e)	2,335,829	2,119,028	3.11%			
Total Emissions from Optional Sources				33,545,776	30,432,216	44.62%		
Total Corporate emissions				75,175,742	68,198,286	100%		

Direct Emissions from fossil fuel usage at generating facilities using CEM data

2025						CO2 from CEM		CH4	N2O	Total Facility CO2e in short tons	Total CO2e in metric tons
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)		
						short tons CO2	short tons CO2	short tons CO2e	short tons CO2e		
Acadia (Unit 2)	CT3	580	LA	100%	Natural Gas	712,039.00	712,039.00	375.75	355.62		
Acadia (Unit 2)	CT4		LA	100%	Natural Gas	645,131.00	645,131.00	340.44	322.20		
Totals							1,357,170.00	716.18	677.82	1,358,564.00	1,232,468.53
Attala	A01	480	MS	100%	Natural Gas	481,070.00	481,070.00	253.86	240.26		
Attala	A02		MS	100%	Natural Gas	481,842.00	481,842.00	254.27	240.65		
Totals		480					962,912.00	508.13	480.91	963,901.04	874,436.32
Big Cajun 2 ⁽⁵⁾	2B3 (3)	257	LA	42% ⁽⁵⁾	Coal	2,789,332.06	966,614.00	3,116.80	4,290.67		
Totals		257					966,614.00	3,116.80	4,290.67	974,021.47	883,617.41
Calcasieu Plant	GTG1	322	LA	100%	Natural gas	49,693.00	49,693.00	26.22	24.82		
Calcasieu Plant	GTG2		LA	100%	Natural gas	44,033.00	44,033.00	23.24	21.99		
Totals		322					93,726.00	49.46	46.81	93,822.27	85,114.13
Choctaw County	CTG1		MS	100%	Natural gas	735,218.00	735,218.00	387.98	367.19		
Choctaw County	CTG2		MS	100%	Natural gas	723,934.00	723,934.00	382.02	361.56		
Choctaw County	CTG3		MS	100%	Natural gas	735,870.00	735,870.00	388.32	367.52		
Totals							2,195,022.00	1,158.32	1,096.27	2,197,276.59	1,993,335.79
Gerald Andrus	1	761	MS	100%	Gas/Oil	384,528.00	384,528.00	202.92	192.05		
Totals		761					384,528.00	202.92	192.05	384,922.96	349,196.24
Hardin County Peaking Facility		146	TX	100%	Natural Gas	94,275.00	94,275.00	49.75	47.08		
Hardin County Peaking Facility			TX	100%	Natural Gas	94,292.00	94,292.00	49.76	47.09		
Totals		146					188,567.00	99.51	94.18	188,760.68	171,240.81
Hinds Energy Facility	H01	456	MS	100%	Gas CT	395,488.00	395,488.00	208.70	197.52		
Hinds Energy Facility	H02		MS	100%	Gas CT	407,402.00	407,402.00	214.99	203.47		
Hinds Energy Facility	Unit 2	29	MS	100%	Gas CT	5,169.00	5,169.00	2.73	2.58		
Totals		485					808,059.00	426.42	403.57	808,888.99	733,811.75
Hot Spring Energy Facility	CT-1	620	AR	100%	Gas CT	554,334.00	554,334.00	292.52	276.85		
Hot Spring Energy Facility	CT-2		AR	100%	Gas CT	565,568.00	565,568.00	298.45	282.46		
Totals		620					1,119,902.00	590.98	559.32	1,121,052.30	1,017,001.53
Independence	1	472	AR	56.5%	Coal	2,997,361.0	1,693,509.00	5,460.64	7,517.25		
Independence	2	332	AR	39.37%	Coal	4,966,501.00	1,955,311.00	6,304.81	8,679.35		
Totals		804					3,648,820.00	11,765.46	16,196.60	3,676,782.06	3,335,520.58
Lake Catherine	4	547	AR	100%	Gas/Oil	235,942.00	235,942.00	124.51	117.84		
Totals		547					235,942.00	124.51	117.84	236,184.35	214,262.83
Lake Charles Power Station	1A	877	LA	100%	Natural Gas	1,368,043.00	1,368,043.00	721.92	683.25		
Lake Charles Power Station	1B		LA	100%	Natural Gas	1,357,275.00	1,357,275.00	716.24	677.87		
Totals		877					2,725,318.00	1,438.16	1,361.12	2,728,117.28	2,474,906.37
Lewis Creek	1	260	TX	100%	Gas/Oil	687,160.00	687,160.00	362.62	343.19		
Lewis Creek	2	260	TX	100%	Gas/Oil	505,367.00	505,367.00	266.68	252.40		
Totals		520					1,192,527.00	629.30	595.59	1,193,751.89	1,082,953.50
Little Gypsy	1	244	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Little Gypsy	2	436	LA	100%	Gas/Oil	408,455.00	408,455.00	215.54	204.00		
Little Gypsy	3	573	LA	100%	Gas/Oil	150,385.00	150,385.00	79.36	75.11		
Totals		1253					558,840.00	294.90	279.10	559,414.01	507,491.85

Generating facility and EPA Acid Rain Unit ID	EPA Acid Rain Unit ID (Entry ID if different)	Max capacity (MW)	State	Energy equity share of unit	Primary fuel(s)	Total unit CO2 (1)	Energy equity share of unit CO2 emissions	Energy share CH4 emissions from generation (2)	Energy share N2O emissions from generation (3)	Total Facility CO2e in short tons	Total CO2e in metric tons
Montgomery County Power Station	CT1		TX	92%	CCGT	2,873,831.00	1,329,929.00	701.81	664.21		
Montgomery County Power Station	CT2		TX	92%	CCGT		1,326,641.00	700.07	662.57		
Totals		0					2,656,570.00	1,401.88	1,326.78	2,659,298.67	2,412,475.17
Ninemile Point	3	135	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Ninemile Point	4	748	LA	100%	Gas/Oil	983,161.00	983,161.00	518.82	491.02		
Ninemile Point	5	763	LA	100%	Gas/Oil	1,660,258.00	1,660,258.00	876.13	829.19		
Ninemile Point	6A	280	LA	100%	CCGT	855,566.00	855,566.00	451.49	427.30		
Ninemile Point	6B	280	LA	100%	CCGT	840,211.00	840,211.00	443.38	419.63		
Totals		1646					4,339,196.00	2,289.81	2,167.14	4,343,652.96	3,940,495.68
New Orleans Power Station		1	132	LA	100%	Natural Gas	107,261.00	107,261.00	56.60	53.57	
Totals		132					107,261.00	56.60	53.57	107,371.17	97,405.49
Ouachita Power	CTGEN1	242	LA	100%	Natural gas	501,109.00	501,109.00	264.44	250.27		
Ouachita Power	CTGEN2	244	LA	100%	Natural gas	604,778.00	604,778.00	319.14	302.05		
Ouachita Power	CTGEN3	241	LA	100%	Natural gas	680,064.00	680,064.00	358.87	339.65		
Totals		727					1,785,951.00	942.45	891.97	1,787,785.42	1,621,851.65
Perryville	1-1		718	LA	100%	Gas/Oil	753,134.00	753,134.00	397.43	376.14	
Perryville	1-2		718	LA	100%	Gas/Oil	768,635.00	768,635.00	405.61	383.88	
Perryville	2-1		718	LA	100%	Gas/Oil	68,525.00	68,525.00	36.16	34.22	
Totals		718					1,590,294.00	839.21	794.25	1,591,927.45	1,444,172.29
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	2,491,260.00	2,015,429.00	6,498.66	8,946.21		
Totals		885					2,015,429.00	6,498.66	8,946.21	2,030,873.87	1,842,377.78
Sabine	1	230	TX	100%	Gas/Oil	340,266.00	340,266.00	179.56	169.94		
Sabine	2	230	TX	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Sabine	3	420	TX	100%	Gas/Oil	638,363.00	638,363.00	336.87	318.82		
Sabine	4	530	TX	100%	Gas/Oil	944,028.00	944,028.00	498.17	471.48		
Sabine	5	480	TX	100%	Gas/Oil	493,828.00	493,828.00	260.60	246.63		
Totals		1890					2,416,485.00	1,275.19	1,206.88	2,418,967.07	2,194,450.01
Sterlington	7AB	102	LA	100%	Gas/Oil	0.00	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/JW Lenord	1A	926	LA	100%	CCGT	1,200,248.00	1,200,248.00	633.38	599.45		
St Charles Power Station/ JW Lenord	1B		LA	100%	CCGT	1,128,117.00	1,128,117.00	595.31	563.42		
Totals		926					2,328,365.00	1,228.69	1,162.87	2,330,756.55	2,114,426.78
Union Power Station ⁽⁷⁾	CT 1	495	AR	100%	Gas	413,850.00	413,850.00	218.39	206.69		
Union Power Station	CT 2		AR	100%	Gas	393,936.00	393,936.00	207.88	196.75		
Union Power Station	CT 3	495	AR	100%	Gas	692,340.00	692,340.00	365.35	345.78		
Union Power Station	CT 4		AR	100%	Gas	696,772.00	696,772.00	367.69	347.99		
Union Power Station	CT 5	495	AR	100%	Gas	561,211.00	561,211.00	296.15	280.29		
Union Power Station	CT 6		AR	100%	Gas	567,237.00	567,237.00	299.33	283.30		
Union Power Station	CT 7	495	AR	100%	Gas	517,284.00	517,284.00	272.97	258.35		
Union Power Station	CT 8		AR	100%	Gas	519,703.00	519,703.00	274.25	259.56		
Totals		1980					4,362,333.00	2,302.02	2,178.70	4,366,813.72	3,961,506.77

Generating facility and EPA Acid Rain Unit ID	EPA Acid Rain Unit ID (Energy ID if different)	Max capacity (MW)	State	Energy equity share of unit	Primary fuel(s)	Total unit CO2 (1)	Energy equity share of unit CO2 emissions	Energy share CH4 emissions from generation (2)	Energy share N2O emissions from generation (3)	Total Facility CO2e in short tons	Total CO2e in metric tons
Washington Parish Energy Center	CT1		LA	100%	Gas	114,853.00	114,853.00	60.61	57.36		
Washington Parish Energy Center	CT2	361	LA	100%	Gas	112,633.00	112,633.00	59.44	56.25		
Totals		361					227,486.00	120	114	227,719.66	206,583.80
Waterford	1	411	LA	100%	Gas/Oil	0.00	0.00	0.00	0.00		
Waterford	2	411	LA	100%	Gas/Oil	217,519.00	217,519.00	114.79	108.64		
Waterford	4		LA	100%	Oil	4,401.00	4,401.00	2.32	2.20		
Totals		822					221,920.00	117.11	110.83	222,147.94	201,529.22
White Bluff	1	465	AR	57%	Coal	1,385,262.00	789,600.00	2,546.03	3,504.92		
White Bluff	2	481	AR	57%	Coal	3,319,864.00	1,892,322.00	6,101.71	8,399.75		
Totals		946					2,681,922.00	8,647.74	11,904.68	2,702,474.42	2,451,643.55

Totals	50,025,215.06	41,171,159	46,840	57,249	41,275,248.80	37,444,275.85
	short tons CO2	short tons CO2	short tons CO2e	short tons CO2e	Total Facility CO2e in short tons	Total CO2e in metric tons
	Total unit CO2	Energy equity	Energy	Energy		
	CO2 from CEM		CH4	N2O		

(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
- Removed Rex Brown from 2022 Inventory
- Removed RS Cogen in 2023 Inventory; interest in the plant was sold on 10/31/2022
- Removed Baxter Wilson from 2025 Inventory; plant was deactivated in 2022 and demolished in 2025

Small combustion sources at all generation stations - Updated for 2025

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.

Plant	CO ₂ e Emissions reported under Mandatory Reporting Rule	CO ₂ e Emissions reported under Mandatory Reporting Rule	Comments
	(short tons of all gases in 2024)	(metric tons of all gases in 2024)	
Fossil fuel generating stations			
Attalla	0.0	0.0	
Calcasieu	0.0	0.0	
Choctaw	163.1	148.0	
Gerald Andrus	0.0	0.0	
Hinds County	726.1	658.7	
Hot Spring	0.0	0.0	
Independence	597.1	541.7	(-50% ownership share)
Lake Catherine	0.0	0.0	
Lake Charles	0.0	0.0	No Subpart C affected sources
Lewis Creek	1,538.6	1,395.8	
Little Gypsy	1,952.7	1,771.5	
Montgomery County Power Station	0.0	0.0	No Subpart C affected sources
RS Nelson	0.0	0.0	
New Orleans Power Station	147,715.7	134,005.4	
Ninemile Point	3,518.1	3,191.6	
Ouachita	1,726.4	1,566.2	
Perryville	4,190.3	3,801.4	
Sabine	0.0	0.0	
St Charles/JW Lenord	0.0	0.0	No Subpart C affected sources
Union	0.0	0.0	No Subpart C affected sources
Washington Parish Energy Center	0.0	0.0	No Subpart C affected sources
Waterford	0.0	0.0	
White Bluff	177.7	161.2	(57% ownership share)
Power Gen TOTAL	162,306.0		

2025 Generator Data				
Source	lbs CO ₂ e	short tons CO ₂ e	metric tons CO ₂ e	Description
Power Through	1,371,088.60	685.54	621.92	Power Through is a backup power option for customers
Power Delivery	7,348,740.00	3,674.37	3,333.33	Power Delivery & Service Centers backup generators
Total	8,719,828.60	4,359.91	3,955.25	

Nuclear generating stations ^{(2),(3)}	Plant total small sources CO ₂ e (short tons using 2005 estimate calculations)
River Bend	633.6
Waterford 3	1,114.7
Grand Gulf	382.5
Arkansas Nuclear 1&2	926.8
Nuclear TOTAL (short tons)	3,057.6

All small source totals 169,723.4

- (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) Harrison County removed from inventory in 2018 since Entergy has no equity 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.
- (7) NISCO removed from 2025 inventory since it ceased operations 4/28/23

Estimate of individual GHG breakdown (short tons)	
CO ₂	169548.63
CH ₄	89.86
N ₂ O	84.77

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

Fuel Description	Fuel Code	Units consumed (gal)	Assumptions/Comments
Diesel	D	2,971,593	Based on 2025 Energy data, it is assumed that 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 into its constituent fuel type category and emissions calculated. Green Plug-In (JEMS) units run on diesel on the highway and electricity on the job site. CNG is measured in Gallons of Gasoline Equivalency or GGE. One gallon of CNG or GGE has the same energy value as a gallon of gasoline. "Unknown" split evenly (50/50) between diesel and gasoline.
Gasoline	G	1,326,726	
BiFuel-Gasoline/Ethanol	S	730,712	
BiFuel-Gasoline/CNG	A	0	
BiFuel-Gasoline/LPG	B	48	
BiFuel-Diesel/Electricity	F	0	
Propane	P	46	
CNG	C	0	
LPG	L	339	
Green Plug-In JEMS	J	77,976	
BiFuel-Gasoline/Electricity	H	498	
Electricity	E	91	
Unknown	-	0	
Jet fuel		411,682	

Total gallons consumed **5,519,711**

Fuel	Total units consumed (GALLONS) - from inputs above	conversion to energy content (MMBtu/gallon)	Total MMBtu consumed	CO2 using EPA Emission Factor Hub		CO2 using WRI/WBCSD Protocol Efs	
				Emissions Factor (lbs CO2/MMBtu)	Total CO2 Emissions (short tons)	Emissions Factor (kg CO2/Gallon)	Total CO2 Emissions (short tons)
Diesel	3,049,569	0.1387	422,975	163.08	34,490	10.15	34,119
Gasoline	1,984,908	0.1251	248,312	154.84	19,224	8.81	19,276
Ethanol	73,071	0.0843	6,160	150.91	465	5.56	448
CNG	0	0.1251	0	116.41	0	See note	0
LPG	344	0.092	32	136.07	2	5.79	2
Propane	46	0.092	4	138.63	0	5.79	0
Jet fuel	411,682	0.135	55,577	159.25	4,425	9.57	4,343
Totals	5,519,620		733,060		58,606		58,188

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. Emission factor in lbs CO2/Mmbtu from EPA Climate Leaders

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

The calculations below use emission factors from EPA's 2025 Emission Factors Hub.

CNG value derived from Medium-Duty Trucks
Ethanol emission factor derived from Heavy-Duty Trucks
Gasoline, Diesel, and LPG values derived from Construction/mining equipment

N2O from mobile sources					
N2O	gallons consumed	g N2O/gal fuel	total kg N2O	short tons	CO2e short tons
Gasoline	1,984,908	1.48	2,937.66	3.299	874.23
Diesel	3,049,569	0.56	1,707.76	1.918	508.22
Jet Fuel	411,682	0.30	123.50	0.139	36.75
Propane	46	0.05	0.00	0.000	0.00
CNG	0	0.03	0.00	0.000	0.00
LPG	344	0.50	0.17	0.000	0.05
Ethanol	73,071	0.03	1.90	0.002	0.57
Total					1,419.83

CH4 from mobile sources					
CH4	gallons consumed	g CH4 /gal fuel	total kg CH4	short tons	CO2e short tons
Gasoline	1,984,908	2.86	5,676.84	6.375	178.50
Diesel	3,049,569	0.92	2,805.60	3.151	88.22
Jet Fuel	411,682	0.00	0.00	0.000	0.00
Propane	46	0.27	0.01	0.000	0.00
CNG	0	1.79	0.00	0.000	0.00
LPG	344	0.59	0.20	0.000	0.01
Ethanol	73,071.20	0.07	5.26	0.006	0.17
Total					266.89

Total N2O and CH4 CO2e 1,686.72

Total Estimated Emissions from Mobile Sources (short tons CO2e) 60,293

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 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 (1)	Total CO2 equivalent emissions (short tons)
Entergy Louisiana, L.L.C. Gas Business	5,188.3	5,719.1
Entergy New Orleans, Inc. Gas Business	5,868.2	6,468.6
SUB-TOTAL		12,187.6

Reported Natural Gas Release	Short tons natural gas	CO2 Equivalent Emissions
Perryville Plant Release 2/16/25	0.184	5.138
SUB-TOTAL		5.138

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 28) ⁵
Fugitive Emissions from Storage Facilities	1	675.4	675.40	744.50	20,846.00
Vented Emissions from Storage Facilities	1	217.3	217.30	239.53	6,706.89
SUB-TOTAL					27,552.90

This category is carried forward from previous years

See note 3
See note 4

TOTALS FROM FUGITIVE NATURAL GAS	39,746 short tons CO2e
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GENERAL NOTES:

- (1) Entergy completed the sale of its natural gas distribution businesses on July 1, 2025. 2023 EPA report data is used as a proxy and halved to account for the half year of ownership
- 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
- (5) GWP updated in 2025 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 methodology, can be found in the GHG Monitoring Plan required by the EPA Mandatory Reporting Rule.

2024 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)
3.38	23,500	79,451.9	72,077.5

(1) Converted 6,761.86 lbs SF6, which was the amount reported for 2024

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

2024 Update - Warehouse space accounted for at 20% estimated to be air conditioned

2025 Update - Square footage collected by OpCo building ownership

From buildings			
	square footage air-conditioned	EF: fugitive HFCs (short tons CO2e/sq ft)	Facility fugitive HFC (short tons CO2e)
Mississippi	694,146	0.00078	541
Arkansas	998,729	0.00078	778
Louisiana	818,321	0.00078	638
New Orleans	182,699	0.00078	142
Texas	654,709	0.00078	510
ESI + EOI	797,837	0.00078	622
Total Fugitive HFCs	4,146,441		3,232.08

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

[ETRFossilRenewablePortfolio_6.9.2021.xlsx \(entergy.com\)](#)

From Nuclear facility			
	lbs HFC charged to equipment	EF: fugitive HFCs as CO2e (GWP=1300)	Facility fugitive HFC (short tons CO2e)
	0	1300	0

Entergy nuclear facilities **do not** use HFCs for cooling

From all Entergy-owned vehicles			
	Total CO2 from mobile sources (short tons)	EF: HFC as % of CO2 emissions **	Facility fugitive HFC (short tons CO2e)
Vehicular A/C	60,293	3.50%	2,110

Total CO2 from all mobile source fuels are included

Total fugitive HFC emissions	5,342 short tons CO2e
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*** 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 HFC/1000 ft2)	Total Annual HFC losses (MT CO2e)/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
<p>Source: ASHRAE (http://www.themecoder.com/News/motgroup.com/News/ASHRAE%20iss ues/Rule%20of%20 thumb%20Sizing.htm) Note that this is a conservative estimate - a reasonably designed building should be more like 400</p> <p>Source: Dhsac/energy.asp</p> <p>Source: EPA Climate Leaders Guidance, 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%.</p> <p>This is the emissions factor that is applied to the square footage of air-conditioned space. This EF includes the global warming potential for HFC 134a (1,100).</p> <p>Emissions factor for short tons CO2e per ft2 conversion factor 1.1023</p>							

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

Vehicle type	HFC Emissions Estimate			CO2 Emissions Estimate			Emissions factor (kg CO2/gal)	CO2 Emissions (kg CO2/yr-veh)	Emissions factor: HFC emissions (CO2e) to CO2 (as %)
	HFC capacity (kg HFC)	Annual leakage rate (percentage)	CO2 emissions (kg CO2e/yr-veh); GWP=1120	Miles per gallon	Miles per year	CO2 Emissions (kg CO2/yr-veh)			
Car	0.8	20%	179.2	20	15,000	8.87	6,653	2.7%	
light truck	1.2	20%	268.8	15	15,000	8.87	8,870	3.0%	

Power purchased to serve utility customers

Controllable power purchases 2025

				2025			
Code	Plant description	FACILITY CODE (SPD)	State	Total Entergy purchased from plant (MWh)	Unit/Plant-Specific Emission Factor (lbs CO2/MWh) sourced directly from plant owners for CY2024 ¹	CO2 emissions from purchased power (short tons) (using eGRID Line Specific Factors (when available))	Comments/Notes
			LA	73,194	106.4	3,893.9	
			LA	100,641	-	-	
			LA	3,000,522	921.0	1,381,740.4	
			LA	214,875			
			LA	285,294			
			AR	128,755			
			AR	8,004			
			LA	116,151			
			LA	929,460			
			LA	3,127,910	934	1,460,734.0	
			LA	49,611			
			AR	152,897			
			LA	119,193			
			LA	113,387			
			TX	321,811			
			MS	1,718			
				8,743,423		2,846,368.3	short tons CO2

N2O emissions from controlled purchases (SERC MS Valley Total Output Rate, eGRID2023)				0.006	lbs/MWh	7,449.2	short tons CO2e
CH4 emissions from controlled purchases (SERC MS Valley Total Output Rate, eGRID2023)				0.042	lbs/MWh	5,141.1	short tons CO2e

¹ - some units may be in different control areas or eGRID subregions; however, impact to the overall GHG inventory is expected to be negligible.

(1) In previous inventories, this emission factor was sourced from EPA's eGRID. Due to the ongoing delay of the eGRID2024 update, emission factor values were sourced directly from PPA plant owners, when available. The 106.4 emission factor is sourced from eGRID2023.

Total CO2e from Controllable Purchases	TOTAL	2,858,958.6	short tons CO2e
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[Download Data | US EPA](#)

Indirect Emissions associated with purchased power	Totalpchs'd power MWh	Loss factor %	Total power lost MWh	
CO2 emissions from T&D losses of purchased power on Entergy system	25,500,675	3.158%	805,203	262,129.1 short tons CO2
CH4 emissions from T&D losses of purchased power on Entergy system				473.5 short tons CO2e
N2O emissions from T&D losses of purchased power on Entergy system				686.0 short tons CO2e
TOTAL				263,288.5 short tons CO2e

Purchased & Market Power Purchases						
Purchase Type	MWh	CO2 Emissions (ST)	CH4 Emissions (ST CO2e)	N2O Emissions (ST CO2e)	Total CO2e (ST)	Total CO2e (MT)
Controllable Purchases	8,743,423	2,846,368	5,141.1	7,449	2,858,958.58	2,593,604.34
Uncontrollable (Market) Purchases	16,757,252	9,895,157	9,853.3	14,277	9,919,287.34	8,988,626.69
	25,500,675	12,741,526	14,994	21,726	12,778,245.93	11,582,233.03

MWh Market Purchases provided by internal System Planning and Operations team; starting in 2024, used MISO derived marginal emission rate to estimate emissions for uncontrollable market purchases

TOTAL	3,122,247.13	short tons CO2e
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Entergy offices outside of service territory emissions

Office	Sqr Ft	Approx energy consumption (MWh)	CO2 emissions short tons	CH4 emissions short tons	N2O Emissions short tons	Total emissions CO2e short tons	total emissions metric tons CO2e
Austin	9,534.00	214.62	78,712,20347	0.13	0.17	79.01	71.68
Washington DC	12,407.00	279.16	82,829,68225	0.18	0.22	83.23	75.50
			161,540,8857	0.31	0.39	162.24	147.18

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.

Operating Company	Generation GWh	Purchases GWh	Total Power	Losses & Company Usage	% Lost
EAI	25,783	5,255	31,038	1,336	4.304401057
ELL	51,954	17,551	69,505	1,420	2.043018488
EMI	14,263	4,738	19,021	708	3.727459124
ENOI	2,851	5,100	7,951	231	2.905294931
ETI	13,089	9,599	22,688	799	3.521685472
SERI	9,587			9,587	0
ELIM			(17,434)		
TOTALS*	117,527	42,263	142,356	4,495	0.031575768

2024 Investor
Source: Guide pg 39
4,495.00 Total Loss
142,356.00 Total Power
0.0316 % Loss

Purchased Goods and Services - 2025													
Industry/Commodity	2025 Spend	Inflation Adjustment	CO2		CH4		N2O		Other GHGs		CO2e	CO2e	CO2e
			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	\$ 341,475,914.06	\$ 271,131,875.76	0.088	23,859,605.07	0.001	271,131.88	0	0.00	0.004	1,084,527.50	32,535,825.09	35,864.00	32,535.28
Chemical products	\$ 46,086,103.15	\$ 36,592,365.90	0.282	10,319,047.18	0.001	36,592.37	0	0.00	0.01	365,923.66	11,709,557.09	12,907.36	11,709.36
Computer and electronic products	\$ 241,376,274.39	\$ 191,652,761.87	0.043	8,241,068.76	0	0.00	0	0.00	0.004	766,611.05	9,007,679.81	9,929.10	9,007.53
Construction	\$ 110,815,343.82	\$ 87,987,382.99	0.259	22,788,732.20	0.002	175,974.77	0	0.00	0.02	1,759,747.66	29,475,773.30	32,490.93	29,475.28
Electrical equipment, appliances and components	\$ 643,234,871.88	\$ 510,728,488.27	0.197	100,613,512.19	0.001	510,728.49	0	0.00	0.011	5,618,013.37	120,531,923.23	132,861.47	120,529.90
Fabricated metal product	\$ 4,704,269.70	\$ 3,735,190.14	0.225	840,417.78	0.001	3,735.19	0	0.00	0.008	29,881.52	974,884.63	1,074.61	974.87
Machinery	\$ 69,216,759.80	\$ 54,958,107.28	0.167	9,178,003.92	0.167	9,178,003.92	0	0.00	0.043	2,363,198.61	268,525,312.18	295,993.51	268,520.80
Miscellaneous professional, scientific, and technical services	\$ 161,064,568.08	\$ 127,885,267.06	0.109	13,939,494.11	0.001	127,885.27	0	0.00	0.004	511,541.07	18,031,822.65	19,876.35	18,031.52
motor vehicles, bodies and trailers	\$ 108,676,576.69	\$ 86,289,201.89	0.174	15,014,321.13	0.001	86,289.20	0	0.00	0.019	1,639,494.84	19,069,913.62	21,020.63	19,069.59
Petroleum and coal products	\$ 23,687,959.04	\$ 18,808,239.48	0.755	14,200,220.81	0.018	338,548.31	0	0.00	0.005	94,041.20	23,773,614.70	26,205.48	23,773.21
Utilities	\$ 965,933,675.26	\$ 766,951,338.16	2.884	2,211,887,658.24	0.005	3,834,796.69	0	0.00	0.01	7,669,513.38	2,326,930,359.97	2,564,958.51	2,326,891.22
Waste management and remediation	\$ 87,119,890.36	\$ 69,173,192.95	0.274	18,953,454.87	0.044	3,043,620.49	0	0.00	0.013	899,251.51	105,074,080.08	115,822.40	105,072.31
Total	\$ 2,803,392,206.23	\$ 2,225,893,411.75		2,449,835,537.25		17,607,266.56		0.00		22,801,745.37	2,965,640,746.35	3,269,004.35	2,965,590.86

Capital Goods - 2025													
Industry/Commodity	2025 Spend	Inflation Adjustment	CO2		CH4		N2O		Other GHGs		CO2e	CO2e	CO2e
			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	\$ 218,120,540.79	\$ 173,187,709.39	0.088	15,240,518.43	0.001	173,187.71	0	0.00	0.004	692,750.84	20,782,525.13	22,908.43	20,782.18
Chemical products	\$ 861,636.62	\$ 684,139.48	0.282	192,927.33	0.001	684.14	0	0.00	0.01	6,841.39	218,924.63	241.32	218.92
Computer and electronic products	\$ 267,421,406.55	\$ 212,332,596.80	0.043	9,130,301.66	0	0.00	0	0.00	0.004	849,330.39	9,979,632.05	11,000.48	9,979.46
Construction	\$ 2,739,942,339.72	\$ 2,175,514,217.74	0.259	563,458,182.39	0.002	4,351,028.44	0	0.00	0.02	43,510,284.35	728,797,262.94	803,347.95	728,785.00
Electrical equipment, appliances and components	\$ 839,301,137.71	\$ 666,405,103.34	0.197	165,342,324.13	0.001	666,405.10	0	0.00	0.011	7,330,456.14	191,332,123.16	210,904.02	191,328.90
Fabricated metal product	\$ 13,786,691.81	\$ 10,946,633.30	0.225	3,102,005.66	0.001	10,946.63	0	0.00	0.008	87,573.07	3,496,084.46	3,853.71	3,496.03
Machinery	\$ 22,645,545.73	\$ 17,980,563.31	0.167	3,781,806.14	0.167	3,002,754.07	0	0.00	0.043	773,164.22	88,632,084.40	97,698.51	88,630.59
Miscellaneous professional, scientific, and technical services	\$ 778,374,910.45	\$ 618,029,678.90	0.109	67,365,235.00	0.001	618,029.68	0	0.00	0.004	2,472,118.72	87,142,184.72	96,056.20	87,140.72
motor vehicles, bodies and trailers	\$ 40,349,862.93	\$ 32,037,791.17	0.174	5,574,575.66	0.001	32,037.79	0	0.00	0.019	608,718.03	7,080,351.85	7,804.62	7,080.23
Petroleum and coal products	\$ 421,222.93	\$ 334,451.01	0.755	252,510.51	0.018	6,020.12	0	0.00	0.005	1,672.26	422,746.07	465.99	422.74
Utilities	\$ 1,254,801,998.97	\$ 996,312,469.58	2.884	3,618,847,811.43	0.005	4,981,562.35	0	0.00	0.01	9,963,124.70	3,768,294,681.87	4,153,763.98	3,768,231.30
Waste management and remediation	\$ 103,025,640.65	\$ 81,802,358.68	0.274	22,413,846.28	0.044	3,599,303.78	0	0.00	0.013	1,063,430.66	124,257,782.83	136,968.46	124,255.69
Total	\$ 6,279,052,534.86	\$ 4,985,567,712.68		4,474,702,044.62		17,441,959.81		0.00		67,359,464.76	5,030,436,384.10	5,545,013.65	5,030,351.77

Total CO2	Total CH4	Total N2O	Total Other GHGs	Total CO2e
6,924,537,581.87 kg	35,049,226.37 kg	0.00 kg	90,161,210.13 kg	7,049,748,018.37 kg
7,632,867.70 short tons	38,634.51 short tons	0.00 short tons	99,384.05 short tons	7,770,886.26 short tons
6,926,377.23 metric tons	35,058.54 metric tons	0.00 metric tons	90,185.16 metric tons	7,051,620.93 metric tons

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 CO ₂ e)					
Electric Utility	Local Distribution Companies (ENO and ELL) ¹	Emission Rate for Delivered Gas ² (grams of CO ₂ e per MJ)	Conversion of Emission Rate to g CO ₂ e per mmBtu	Electric Utility	LDCs	Total	Conversion to lbs	Conversion to Short Tons	Conversion to Metric Tons
545,310,150	10,486,344	14.1	14875.5	8,111,761,136,325	155,989,610,172	8,267,750,746,497	18,210,904,728	9,105,452	8,260,330

Notes and Sources

- 1 - Entergy completed the sale of its natural gas distribution business on July 1, 2025.
- 2 - 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			
6,200,813,059,873	5,624,091	TOTAL CH₄ CO₂e	CH ₄ ≈ 75% of Total Natural Gas Industry CO ₂ e GHG Emissions in the U.S. (Exhibit 6-11, p. 44, NETL report)
2,066,937,686,624	1,874,697	TOTAL CO₂ CO₂e	CO ₂ ≈ 25% of Total Natural Gas Industry CO ₂ e GHG Emissions in the U.S. (Exhibit 6-11, p. 44, NETL report)
0.0000	937	TOTAL N₂O CO₂e	N ₂ O = 0.0005 lbs CO ₂ e N ₂ O/lb CO ₂ (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 2026 using 2025 actual travel numbers from AMEX travel.

Overall Summary	CO2 Emissions (lbs)	CO2 Emissions (short tons)	CO2 Emissions (metric tons)
Airline Flights	6,881,205	3,441	3,122
Rental Cars	547,324	274	248
Hotel Stays	2,376,188	1,188	1,078
Personal Vehicle Use	6,920,078	3,460	3,139
TOTAL ESTIMATE	16,724,795	8,362	7,587

Airline GHG Footprint Estimate

Year	Distance Flown (miles)	CO2 Footprint (lbs)	CO2 Footprint (short tons)	CO2 Footprint (metric tons)
2025	15,652,958	6,881,205	3,441	3,122

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

Rental Car GHG Footprint Estimate

Year	Number of Days/Nights	Mileage Assumptions and Calculations				
		20% @ 5 mpd	30% @ 10 mpd	30% @ 20 mpd	15% @ 50 mpd	5% @ 100 mpd
2025	27,306	27,306	81,918	163,836	204,795	136,530
		GRAND TOTAL		614,385.0	miles	
				248,211.5	kg CO2 (@404 grams CO2 per mile)	
				547,324.2	lb CO2	
				273.7	short tons	
				248.3	metric tons	

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

Hotel Nights

Year	Number of Days/Nights	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)
2025	57,467						
2025	57,467	30	1,000	0.097	2,376,188	1,188.1	1,077.8

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
2025	7,767,959	3,138,255	6,920,078	3,460	3,138.90

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

Employee Commuting Emission Calculations

Note: Revised methodology in 2022
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	72,546,929	27,173,976	29,954	27,174	97.6%
Public Transportation	492,400	67,660	73	68	0.2%
Carpool	1,575,259	590,048	650	590	2.1%
Bikers	-	-	-	-	0.0%
Walkers	-	-	-	-	0.0%
Total	74,614,587	27,831,701	30,679	27,832	100.0%

Employee Commuting Total GHG Breakdown							
Commuting method (more than 75% of the time)	Miles travelled per year	Greenhouse gas	Total emissions kg CO2e	Total emissions short tons CO2e	CO2e	% total commuting emissions	
Individual car	72,546,929	CO2e	-	26,407,082	28,109	26,407	94.9%
		CH4	-	47,228	52	47	0.2%
		N2O	-	719,686	793	720	2.6%
Public Transportation	492,400	CO2e	-	67,434	74	67	0.2%
		CH4	-	44	0.05	0.04	0.0%
		N2O	-	291	0.32	0.20	0.0%
Carpool	1,575,259	CO2e	-	573,394	632	573	2.1%
		CH4	-	1,025	1.13	1.03	0.0%
		N2O	-	15,627	17	16	0.1%
Bikers	-	CO2e	-	-	-	-	0.0%
		CH4	-	-	-	-	0.0%
		N2O	-	-	-	-	0.0%
Walkers	-	CO2e	-	-	-	-	0.0%
		CH4	-	-	-	-	0.0%
		N2O	-	-	-	-	0.0%
Total	74,614,587		27,831,701	30,679	27,832	100.0%	

Commuting Survey Results & Workforce Estimations

Employee Count	
Survey Responses	940
Total Workforce (Dec 31, 2023)	12313

Commuting Frequency						
# of Commutes (Weekly)	Responses	%	Per Year Approx Commute Days (Individual)	Estimated Commuters for Full Workforce	Estimated Commutes for Full Workforce	
Remote (zero)	0	0%	0	0	0	0
0.5	31	3.3%	10	24	40	28922
1	122	13%	13	48	159	76707
2	159	17%	16	56	204	95939
3	119	13%	13	44	159	224463
4	247	26%	26	192	335	821204
5	176	19%	19	240	245	552496
TOTAL	940	100%	100	744	12,313	1,696,950

Annual Commute Weighted Average Multiplier		
Commutes weekly	Commutes annually	# responses (survey)
0	0	123
2	96	394
4.5	216	425
Total responses		940
Commute weighted average		137.44

Commuting Method			
Commuting Method	# Survey Responses	estimated employees	% of survey responses
Remote	0	0	0.0%
Walkers =	6	78.59	0.64%
Bikers =	0	78.59	0.64%
Carpoolers =	7	91.69	0.74%
Public Transporters =	6	78.59	0.64%
Individual Drivers =	884	11,579.46	94.04%
Total	940	12,313	100.00%

Commuting Distance (miles one-way)						
	Low	Avg	High	# Employees Estimated	SURVEY RESPONSES (#)	SURVEY RESPONSES (%)
Remote	0	0	0	0	406.07	31
	1.0	2.5	5.0	1,440.88	110	11.70%
	5.0	7.5	10.0	2,515.03	192	20.43%
	10.0	15.0	20.0	2,685.28	205	21.87%
	20.0	25.0	30.0	1,794.55	137	14.57%
	30.0	40.0	40.0	1,551.74	149	15.85%
	50.0	62.5	75.0	1,519.48	110	12.34%
Total	116.0	152.5	190.0	12,313	940	100%

Distribution of Commuting Method by Miles (Workforce Estimation)						
Survey	Individual Drivers	Carpoolers	Public	Bikers	Walkers	Remote
1 to 5 miles	1355	0	9	39.30	75	
5 to 10 miles	2365	0	16	39.30	0	
10-20 miles	2625	0	17	0	0	
20-30 miles	1888	0	11	0	0	
30 to 50 miles	1885	0	12	0	0	
50 to 75 miles	1429	0	92	0	0	
Total	11579	92	79	79	79	406

Estimated Emissions from Mileage and Method of Transport							
Method of Transportation	one way (workforce)	round trip (workforce)	annual miles (workforce)	annual gallons	lbs (workforce)	short tons (workforce)	metric tons (workforce)
Walkers =	188	375	51,539	-	-	-	-
Bikers =	393	786	108,018	-	-	-	-
Carpoolers =	5,731	11,462	1,575,259	26,254	525,086	263	238
Public Transporters =	3,791	7,581	492,400	1,970	39,392	20	18
Individual Drivers =	263,925	527,851	72,546,929	2,901,877	58,037,543	29,019	26,333
Total			74,714,144	2,930,101	58,602,021	29,301	26,589

Emissions Calculation for Public Transportation		
Method of Transit	# of miles	Total emissions kg CO2e
50% Bus	248,200	29,385
5% Intercity Rail	24,620	4,563
5% Commuter Rail	24,620	4,243
40% Transit Rail	198,960	32,243
Total	492,400	67,434

EPA Methodology

$E = VMT * (EF_{CO2} + EF_{CH4} * 0.021 + EF_{N2O} * 0.310)$

E= total CO2e

VMT= vehicle miles travelled per year

EF_{CO2}= CO2 emissions factor

EF_{CH4}= CH4 emissions factor

EF_{N2O}= N2O emissions factor

0.021= conversion factor

0.310= conversion factor

*used for individual car, carpool and vanpool

$E = PMT * (EF_{CO2} + EF_{CH4} * 0.021 + EF_{N2O} * 0.310)$

E= total CO2e

PMT= passenger miles travelled per year

EF_{CO2}= CO2 emissions factor

EF_{CH4}= CH4 emissions factor

EF_{N2O}= N2O emissions factor

0.021= conversion factor

0.310= conversion factor

*used for bus, air and rail travel

Method of travel	EF _{CO2} (kg CO2/vehicle-mile)	EF _{CH4} (g CH4/vehicle-mile)	EF _{N2O} (g N2O/vehicle-mile)
Individual car	0.364	0.031	0.032
Vanpool	0.364	0.038	0.047
Carpool	0.364	0.031	0.032
Bus	0.107	0.0006	0.0005
Short haul airline (domestic)	0.185	0.0104	0.0085
Medium haul airline (continental)	0.229	0.0104	0.0085
Long haul airline (intercontinental)	0.277	0.0104	0.0085
Intercity rail	0.185	0.002	0.001
Commuter rail	0.172	0.002	0.001
Transit rail	0.163	0.004	0.002

Estimating Fuel Use

Fuel use= DT x FE

DT= Distance travelled activity factor

FE= Fuel economy factor (ie. kgCO2/mile, gCH4/mile, gN2O/mile) *see emissions factors chart above

*used to determine the breakdown of CO2, CH4, N2O within total CO2e.

EPA Methodology sourced from EPA website

http://oasa.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 '0' 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 walkers walk under 5 miles one way, and cyclists/bikers bike up to 10 one-way

Carpoolers and Vanpoolers all put in the over 30 miles category

Used midpoint of mileage ranges surveyed

Assuming 20 pounds of CO2 emitted per gallon of fuel burned

Methodology sourced from EPA Climate Leaders: Greenhouse Gas Inventory Protocol Core Module Guidance

Specific sections: "Options Emissions from Community Business Travel and Product Transport"

"Direct Emissions from Mobile Combustion Sources"

Data sourced from 2023 issued employee survey reflecting 2022 commuting

Public transportation method compiled from percentages estimated from data recording passenger trips in urbanized areas: 50% bus, 5% intercity rail, 5% commuter rail and 40% transit rail.

Source: US Census Bureau, Statistical Abstract of the United States: 2012

Mileage based off of a survey of 940 employees from a pool of 11,700 employees

Data sourced from Employee Commuting Survey 2023

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

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 (1)	Total CO2 equivalent emissions (short tons)
Entergy Louisiana, L.L.C. Gas Business	182,650.2	201,337.1
Entergy New Orleans, Inc. Gas Business	246,599.2	271,828.7
TOTAL	429,249.3	473,165.8

Estimate of individual GHG breakdown (short tons)	
CO2	472678.44
CH4	250.52
N2O	236.34

Notes

(1) Entergy completed the sale of its natural gas distribution business on July 1, 2025. 2023 EPA report data is used as a proxy and halved to account for the half year of ownership

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

Leased Assets

Facility Name	Gross Load	Steam Load	CO2		Heat Input (mmBtu)
	(MWh)	(1000 lb)	short tons	metric tons	
Louisiana 1	3,390,600.46	7,625,238.29	2,333,425.13	2,116,847.67	39,264,116.35
			CH4		
			short tons	metric tons	
			1,236.72	1,121.93	
			N2O		
			short tons	metric tons	
			1,166.71	1,058.42	

Data obtained from EPA Clean Air Markets division: <https://campd.epa.gov/data/custom-data-download>

Emission Factors

Sourced from EPA GHG Emission Factors Hub (2025)
Used throughout inventory unless otherwise stated

Fuel type	CO2 Emissions		CH4 Emissions				N2O Emissions					
	EPA Emission factor (kg CO2/mmbtu)	EPA Emission factor (lbs CO2/mmbtu) (HHV)	EPA Emission factor (g CH4/mmbtu)	EPA Emissions factor (kg CH4/mmbtu)	EPA Emissions factor (kg CO2e/mmbtu) GWP=28	EPA emission factor (lbs CO2e/mmbtu)	CH4 (CO2e) emissions factor (lbs CO2e CH4/lb CO2)	EPA Emission factor (g N2O/mmbtu)	EPA Emissions factor (kg N2O/mmbtu)	EPA Emissions factor (kg CO2e/mmbtu) GWP=295	EPA emission factor (lbs CO2e/mmbtu)	N2O (CO2e) emissions factor (lbs CO2e CH4/lb CO2)
Stationary Combustion												
Natural Gas	53.06	117.00	-1	0.001	0.03	0.06	0.00053	0.1	0.0001	0.0250	0.05843	0.00050
Mixed Coal (Electric Power Sector)	86.52	210.62	11	0.011	0.31	0.68	0.00322	1.6	0.0016	0.42400	0.93482	0.00444

	CO2 Emissions		CH4 Emissions	N2O Emissions
	EPA Emission factor (kg CO2/mmbtu)	EPA Emission factor (lbs CO2/mmbtu) (HHV)	CH4 Factor (g CH4/gallon)	N2O Factor (g N2O/gallon)
Mobile Combustion				
Gasoline	70.22	154.84	2.86	1.48
Diesel	73.96	163.08	0.92	0.59
Ethanol	61.71	136.07	0.56	0.15
Propane	62.87	138.63	0.27	0.09
Ethanol	68.44	150.91	0.072	0.026
CHG			1.286	0.033
Jet Fuel	72.22	159.25	0	0.3

Key:
Directly sourced from the U.S Environmental Protection Agency's 2025 GHG Emission Factors Hub: <https://www.epa.gov/system/files/other-files/2025-01/ghg-emission-factors-hub-2025.xlsx>
Calculated by Energy

*Global Warming Potentials (GWPs) sourced from IPCC's Fifth Assessment Report

Conversion Factors used in this inventory

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		
1 metric 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	
Greenhouse Gas	Global Warming Potential
Carbon dioxide (CO ₂)	1
Methane (CH ₄)	28
Nitrous oxide (N ₂ O)	265
HFC-23	12,400
HFC-125	3,170
HFC-134	1,120
HFC-134a	1,300
HFC-143a	4,800
HFC-152a	138
HFC-227ea	3,350
HFC-236fa	8,060
HFC-43-10mee	1,650
CF ₄	6,630
C ₂ F ₆	11,100
C ₄ F ₁₀	9,200
C ₆ F ₁₄	7,910
SF ₆	23,500

Source: IPCC's Fifth Assessment Report GWPs

a) using a 100 year time horizon