	2017 Entergy Corporate GHG Emissions breakdown by category								
All numbers rep	present CO2 equivalents (C	CO2e)		Unhide columns I - U for additional calculations and conversions					
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		
			CO2	35,903,382	32,571,000	87.1%	Stationary Combustion CEM		
		Power generating units (includes emergency and backup generators)	CH4	14,234	12,913	0.0%	Stationary Combustion CEM		
	Stationary Combustion		N2O	79,510	72,130	0.2%	Stationary Combustion CEM		
		Small stationary combustion sources (co-located at generation stations and stand alone units)	CO2, CH4, N2O	167,743	152,174	0.4%	All small stat cbn totals		
		Biomass power generation	CO2	0	0	0.0%	NA		
			CO2	51,557	46,771	0.1%	Mobile Combustion		
Direct Emission Sources	Mobile Combustion	Corporate fleet	CH4	76	69	0.0%	Mobile Combustion		
			N2O	404	366	0.0%	Mobile Combustion		
		Biomass fleet	CO2	0	0	0.0%	NA		
		Natural gas transmission and distribution	CH4	76,352	69,265	0.2%	Fugitive CH4-NG T&D		
	Fugitive Emissions	Electricity transmission and distribution	SF6	226,227	205,229	0.5%	Fugitive SF6		
		Cooling/air-conditioning (building, mobile and nuclear cooling eqpt)	HFCs	6,161	5,589	0.0%	Fugitive HFCs		
	Process emissions	none applicable	NA	0	0	0.0%	NA		
	Total Emissions fro	om Direct Sources		36,525,645	33,135,508	88.6%			
Indirect Emission Sources	Purchased Electricity	Power purchased for business operations outside Entergy service territory	CO2	36,446	33,063	0.1%	Purchased power		
Courses	T&D losses	Entergy purchased power consumed on Entergy T&D system	CO2, CH4, N2O	132,989	120,645	Note: these emissions are included within the Optional emissions	Purchased power		
	Total Emissions from	n Indirect Sources		169,434	153,708				
	Purchased power (controllable)	Controllable purchased power sold to customers	CO2, CH4, N2O	3,770,163	3,420,234	9.1%	Purchased power		
Optional	Purchased power (uncontrollable)	Uncontrollable purchased power sold to customers	CO2, CH4, N2O	Not Applicable I	peginning in 2014 - See	*** Note at the bottom	of the Purchased power tab		
Emissions Sources	Product combustion	Combustion of natural gas distributed to customers (Scope 3 for Entergy, Scope 1 for customers)	CO2, CH4, N2O	854,344	775,048	2.1%	Natural Gas Combustion		
	Employee Commuting	Estimation of emissions resulting from employee commutes	CO2, CH4, N2O	51,557	46,772	0.1%	Employee Commuting		
	Total Emissions from	n Optional Sources		4,676,063	4,242,053	11.3%			
	GHG Stabilization ((progress toward third			39,841,288	36,143,408	96.6%			
	Total Corporate emissions				37,410,624	100.0%			

			Joug	e at generating	laointioo a	oning o' ini	uutu				
2017					CO2 from 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 Primary of unit fuel(s)	Total unit CO2 (1)	Entergy equity share of unit CO2 emissions	CH4 emissions from generation (2)	Entergy share N2O emissions from generation (3)	Total Faci CO2e in sl tons		Total CO2e in metric tons
					short tons CO2	short tons CO2	short tons CO2e	short tons CO2e			
Acadia (Unit 2)	CT3	580	LA	100% Natural Gas	555,406.40	555,406.40	261.04	311.03			
Acadia (Unit 2)	CT4		LA	100% Natural Gas	570,156.50	570,156.50	267.97	319.29			
Totals						1,125,562.90	529.01	630.32	1,126,72	2.23	1,022,145.21
Attala	A01	480	MS	100% Gas/Oil	504,875.00	504,875.00	237.29	282.73			
Attala	A02		MS	100% Gas/Oil	502,065.70	502,065.70	235.97	281.16			
Totals		480				1,006,940.70	473.26	563.89	1,007,97	7.85	914,422.12
Baxter Wilson	1	550	MS	100% Gas/Oil	421,607.90	421,607.90	198.16	236.10			
Baxter Wilson	2	771	MS	100% Gas/Oil	4,973.04	4,973.04	2.34	2.78			
Totals		1321				426,580.94	200.49	238.89	427,02	20.32	387,386.32
Big Cajun 2 ⁽⁵⁾	2B3 (3)	257	LA	42% ⁽⁵⁾ Coal	3,760,360.60	1,579,351.45	426.42	7,991.52			
Totals		257				1,579,351.45	426.42	7,991.52	1,587,76	69.40	1,440,400.17
Calcasieu Plant	GTG1	322	LA	100% Natural gas	172,173.39	172,173.39	80.92	96.42			
Calcasieu Plant	GTG2		LA	100% Natural gas	60,854.48	60,854.48	28.60	34.08			
Totals		322				233,027.87	109.52	130.50	233,26	67.89	211,617.07
Gerald Andrus	1	761	MS	100% Gas/Oil	287,708.88	287,708.88	135.22	161.12			
Totals		761				287,708.88	135.22	161.12	288,00	5.22	261,273.94
Hinds Energy Facility	H01	456	MS	100% Gas CT	670,482.90	670,482.90	315.13	375.47			
Hinds Energy Facility	H02		MS	100% Gas CT	665,199.40	665,199.40	312.64	372.51			
Totals						1,335,682.30	627.77	747.98	1,337,05	8.05	1,212,958.66
Hot Spring Energy Facility	CT-1	620	AR	100% Gas CT	666,890.09	666,890.09	313.44	373.46			
Hot Spring Energy Facility	CT-2		AR	100% Gas CT	672,696.74	672,696.74	316.17	376.71			
Totals						1,339,586.83	629.61	750.17	1,340,96	6.60	1,216,504.44
Independence	1	472	AR	56.5% Coal	3,224,689.75	1,821,949.71	491.93	9,219.07			
Independence	2	332	AR	39.37% Coal	4,765,083.35	1,876,013.31	506.52	9,492.63			
Totals		804				3,697,963.02	998.45	18,711.69	3,717,67	3.17	3,372,616.37
Lake Catherine	4	547	AR	100% Gas/Oil	76,197.45	76,197.45	35.81	42.67			
Totals		547				76,197.45	35.81	42.67	76,27	5.93	69,196.36
Lewis Creek	1	260	ТΧ	100% Gas/Oil	460,185.92	460,185.92	216.29	257.70			
Lewis Creek	2	260	ТΧ	100% Gas/Oil	560,468.33	560,468.33	263.42	313.86			
Totals		520				1,020,654.25	479.71	571.57	1,021,70	5.52	926,875.66
Little Gypsy	1	244	LA	100% Gas/Oil	0.00	0.00	0.00	0.00			
Little Gypsy	2	436	LA	100% Gas/Oil	556,675.36	556,675.36	261.64	311.74			
Little Gypsy	3	573	LA	100% Gas/Oil	888,591.24	888,591.24	417.64	497.61			
Totals		1253				1,445,266.60	679.28	809.35	1,446,75	5.22	1,312,474.26
Michoud	1	113	LA	100% Gas/Oil	0.00	0.00	0.00	0.00			
Michoud	2	244	LA	100% Gas/Oil	0.00	0.00	0.00	0.00			
Michoud	3	561	LA	100% Gas/Oil	0.00	0.00	0.00	0.00			
Totals		918				0.00	0.00	0.00		0.00	0.00
Ninemile Point	3	135	LA	100% Gas/Oil	0.00	0.00	0.00	0.00			
Ninemile Point	4	748	LA	100% Gas/Oil	1,120,474.93	1,120,474.93	526.62	627.47			
Ninemile Point	5	763	LA	100% Gas/Oil	1,616,497.29	1,616,497.29	759.75	905.24			
Ninemile Point	6A	280	LA	100% CCGT	794,217.90	794,217.90	373.28	444.76			
Ninemile Point	6B	280	LA	100% CCGT	794,515.50	794,515.50	373.42	444.93			

Generating facility and EPA Acid Rain Unit ID	EPA Acid Rain Unit ID (Entergy ID if different)	Max capacity (MW)	State	Entergy equity share Primary of unit 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
Totals		1646				4,325,705.62	2,033.08	2,422.40	4,330,161.10 3,928,256.07
Ouachita Power	CTGEN1		LA	100% Natural gas	661,633.54	661,633.54	310.97	370.51	
Ouachita Power	CTGEN2	789	LA	100% Natural gas	514,318.15	514,318.15	241.73	288.02	
Ouachita Power	CTGEN3		LA	100% Natural gas	501,419.31	501,419.31	235.67	280.79	
Totals		0				1,677,371.00	788.36	939.33	1,679,098.69 1,523,252.71
Perryville	1-1		LA	100% Gas/Oil	397,915.10	397,915.10	187.02	222.83	
Perryville	1-2	718	LA	100% Gas/Oil	377,089.50	377,089.50	177.23	211.17	
Perryville	2-1		LA	100% Gas/Oil	42,116.16	42,116.16	19.79	23.59	
Totals		0				817,120.76	384.05	457.59	817,962.39 742,043.00
R S Cogen ⁽⁴⁾	RS-5	425	LA	50% Natural gas	836,609.41	418,304.71	196.60	234.25	
R S Cogen ⁽⁴⁾	RS-6		LA	50% Natural gas	834,093.60	417,046.80	196.01	233.55	
Totals		425				835,351.51	392.62	467.80	836,211.92 758,598.69
R S Nelson	4	500	LA	100% Gas/Oil	0.00	0.00	0.00	0.00	
R S Nelson ⁽⁶⁾	6	385	LA	80.9% Coal	3,351,782.21	2,711,591.81	732.13	13,720.65	
Totals		885				2,711,591.81	732.13	13,720.65	2,726,044.59 2,473,026.05
Rex Brown	3	349	MS	100% Gas/Oil	3,069.93	3,069.93	1.44	1.72	
Rex Brown	4		MS	100% Gas/Oil	148,701.66	148,701.66	69.89	83.27	
Totals		0				151,771.59	71.33	84.99	151,927.91 137,826.69
Sabine	1	230	ТΧ	100% Gas/Oil	205,642.78	205,642.78	96.65	115.16	
Sabine	2	230	ТΧ	100% Gas/Oil	0.00	0.00	0.00	0.00	
Sabine	3	420	ТΧ	100% Gas/Oil	428,081.52	428,081.52	201.20	239.73	
Sabine	4	530	ΤХ	100% Gas/Oil	929,968.04	929,968.04	437.08	520.78	
Sabine	5	480	ТΧ	100% Gas/Oil	689,011.12	689,011.12	323.84	385.85	
Totals		1890				2,252,703.46	1,058.77	1,261.51	2,255,023.74 2,045,723.13
Sterlington	7AB	102	LA	100% Gas/Oil	4,430.51	4,430.51	2.08	2.48	
Sterlington	7C	101	LA	100% Gas/Oil	4,430.51	4,430.51	2.08	2.48	
Totals		203				8,861.01	4.16	4.96	8,870.14 8,046.85
Union Power Station ⁽⁷⁾	CT 1	495	AR	100% Gas	515,132.80	515,132.80	242.11	288.47	
Union Power Station	CT 2		AR	100% Gas	506,250.60	506,250.60	237.94	283.50	
Union Power Station	CT 3	495	AR	100% Gas	306,359.40	306,359.40	143.99	171.56	
Union Power Station	CT 4		AR	100% Gas	311,794.40	311,794.40	146.54	174.60	
Union Power Station	CT 5	495	AR	100% Gas	513,828.90	513,828.90	241.50	287.74	
Union Power Station	CT 6		AR	100% Gas	535,234.70	535,234.70	251.56	299.73	
Union Power Station	CT 7	495	AR	100% Gas	537,980.30	537,980.30	252.85	301.27	
Union Power Station	CT 8		AR	100% Gas	541,748.10	541,748.10	254.62	303.38	
Totals		1980				3,768,329.20	1,771.11	2,110.26	3,772,210.58 3,422,091.87
Waterford	1	411	LA	100% Gas/Oil	293,461.31	293,461.31	137.93	164.34	
Waterford	2	411	LA	100% Gas/Oil	260,604.26	260,604.26	122.48	145.94	
Waterford	4		LA	100% Oil	13,926.00	13,926.00	6.55	7.80	
Totals		822				567,991.57	266.96	318.08	568,576.60 515,804.02
White Bluff	1	465	AR	57% Coal	5,620,905.00	3,203,917.33	865.06	16,211.82	
White Bluff	2	481	AR	57% Coal	3,523,059.00	2,008,143.63	542.20	10,161.21	
Totals		946				5,212,060.96	1,407.26	26,373.03	5,239,841.24 4,753,504.02
Willow Glen	2	224	LA	100% Gas/Oil	0.00	0.00	0.00	0.00	
Willow Glen	4	568	LA	100% Gas/Oil	0.00	0.00	0.00	0.00	
Totals		792				0.00	0.00	0.00	0.00 0.00
		. 52				0.00	0.00	0.00	0.00 0.00
Totals					47,783,645.85	35,903,381.68	14,234.40	79,510.25	35,997,126.32 32,656,043.68

								Entergy share	Entergy share	
								CH4	N2O	
								emissions	emissions	
	EPA Acid Rain	Max		Entergy			Entergy equity	from	from	
Generating facility	Unit ID (Entergy	capacity		equity share	Primary	Total unit CO2	share of unit	generation	generation	
and EPA Acid Rain Unit ID	ID if different)	(MW)	State	of unit	fuel(s)	(1)	CO2 emissions	(2)	(3)	

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

- 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.

⁻ 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.

Small combustion sources at all generation stations - Updated for 2016

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	CO2e Emissions reported under Mandatory Reporting Rule (short tons of all gases in 2016) [obtained from Power Generation unless otherwise noted]	CO2e Emissions reported under Mandatory Reporting Rule (metric tons of all gases in 2016) [obtained from Power Generation unless otherwise noted]	
Fossil fuel generating stations			
Atalla	0.0	0.0	
Baxter Wilson	0.0	0.0	
Buras	0.0	0.0	
Calcasieu	0.0	0.0	
Gerald Andrus	0.0	0.0	
Harrison County	-	-	N/A - Operate ONLY - no ownershi
Hinds County	724.6	657.4	
Hot Spring	372.8	338.2	
Independence	1,091.8	990.5	(~50% ownership share)
Lake Catherine	3,264.1	2,961.2	
Lewis Creek	74,031.1	67,161.0	
Little Gypsy	7,823.9	7,097.8	
Louisiana Station	329.9	299.3	
Mablevale	-	-	N/A - Decomissioned
Michoud	0.0	0.0	
RS Nelson	0.0	0.0	(91.4% ownership share)
Ninemile Point	4,122.1	3,739.6	
NISCO	-	-	N/A - Operate ONLY - no ownershi
Ouachita	65.9		
Perryville	0.0		
Rex Brown	633.9		
Sabine	0.0	0.0	
Sterlington	-	-	Below reporting threshold
Union	-	-	No Subpart C affected sources
Waterford 1&2	42.9		
White Bluff	495.4		(57% ownership share)
Willow Glen	1,198.7	1,087.5	
Power Gen TOTAL	94.197.2		

Nuclear generating stations ⁽²⁾	Plant total small sources CO2e (short tons using 2005 estimate calculations)
Pilgrim	14,818.0
James Fitzpatrick	1,745.0
River Bend	687.
Indian Point 2	18,558.0
Indian Point 3	80.
Palisades (1)	7,757.0
Waterford 3	7,042.0
Grand Gulf	11,131.0
Arkansas Nuclear 1&2	11,728.0
Nuclear TOTAL (short tons)	73,546.
	167 749 (

O Closure expected May 31, 2019
 O Sale to Exelon to Closed in Q2 2017 - divided annual total in half
 7.0
 O Solated to close in 2020
 O Slated to close in 2021
 O Slated to close in 2022
 O
 O
 Solated to close in 2022
 O
 O

All small source totals 167,743.2

Direct Emissions from fossil fuel usage for company mobile fleet ("Mobile Combustion") Note: The information below was collected and results calculated based on 2016 data.

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

		Units consumed	
Fuel Description	Fuel Code	(gal)	Assumptions/Comments
Diesel	D	2,671,325	Based on 2017 Entergy data provided by
Gasoline	G	842,819	Carolanne Nichols, it is assumed that totals for all bi-fuel categories are split at a 90/10 ratio between constituent fuel types and are calculated
BiFuel-Gasoline/Ethanol	s	705,341	as such. Bi-fuels are separated below into its constituent fuel type category and emissions
BiFuel-Gasoline/CNG	Α	19	calculated. Green Plug-In (JEMS) units run on
BiFuel-Gasoline/LPG	в	25	diesel on the highway and electricity on the job site.
BiFuel-Diesel/Electricity	F	0	one.
Propane	Р	77	CNG is measured in Gallons of Gasoline
CNG	С	62	Equivalency or GGE. One gallon of CNG or GGE has the same energy value as a gallon of
LPG	L		gasoline.
Green Plug-In JEMS	J	35,557	"Lebe com" activ conclus (50/50) between discut
BiFuel-Gasoline/Electricity	н	1,770	"Unknown" split evenly (50/50) between diesel and gasoline.
Unknown	-	0	C C
Jet fuel		613,272	Total 2016 Fuel Purchase - from John Shilstone

Total gallons consumed

4,870,520

Total units of each fuel type	CO2 using E Leade		CO2 using WRI/WBCSD Protocol Efs				
Fuel	Total units consumed (GALLONS) - from inputs above	conversion to energy content (MMBtu/gallon)	Total MMBtu consumed	Emissions Factor (lbs CO2/MMBtu)	Total CO2 Emissions (short tons)	Emissions Factor (kg CO2/Gallon)	Total CO2 Emissions (short tons)
Diesel	2,706,882	0.1387	375,445	159.68	29,975	10.15	30,285
Gasoline	1,479,436	0.1251	185,077	156.44	14,477	8.81	14,367
Ethanol (E85)	70,534	0.0843	5,946	149.59	445	5.56	432
CNG	64	0.1251	8	116.41	0	See note	0
LPG	256	0.092	24	138.76	2	5.79	2
Propane	77	0.092	7	138.32	0	5.79	0
Jet fuel	613,272	0.135	82,792	154.72	6,405	9.57	6,469
Totals	4,870,520		649,298		51,304		51,557

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 source	es		
N2O	gallons consumed	g N2O/gal fuel	total kg N2O	short tons	CO2e short tons
Gasoline	1,479,436	0.22	325.48	0.366	108.92
Diesel	2,706,882	0.26	703.79	0.790	235.53
Jet Fuel	613,272	0.26	159.45	0.179	53.36
Propane	77	0.26	0.02	0.000	0.01
CNG	64	0.26	0.02	0.000	0.01
LPG	256	0.26	0.07	0.000	0.02
Ethanol	70,534	0.26	18.34	0.021	6.14
total					403.98
				-	
		from mobile source			
CH4	gallons consumed	g CH4 /gal fuel	total kg CH4	short tons	CO2e short tons
Gasoline	1,479,436	0.50	739.72	0.831	20.77
Diesel	2,706,882	0.58	1,569.99	1.763	44.08
Jet Fuel	613,272	0.58	355.70	0.399	9.99
Propane	77	0.58	0.04	0.000	0.00
CNG	64	0.58	0.04	0.000	0.00
LPG	256	0.58	0.15	0.000	0.00
Ethanol	70,534.10	0.58	40.91	0.046	1.15
total					75.99
Total N2O and CH4 CO2e					479.97
Total Estimated Emissio	ns from Mobile	Sourcos (short	tone CO2o)		52,037
Total Estimated Emissio	IS HOIL MODILE	Sources (Shori	tons cozej		52,037

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 2016. The Spindletop Gas Storage facility emissions are calculated using GRI emission factors (see notes below).

Gas Operations	CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons) Subpart W, Fugitive	emissions (short
Entergy Louisiana, L.L.C. Gas Business	11,565.7	12,749.0
Entergy New Orleans, Inc. Gas Business	35,381.9	39,001.8
SUB-TOTAL		51,750.8

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

TOTALS FROM FUGITIVE NATURAL GAS

76,352 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.

- Fugitive and oxidized CO2 are known sources of GHG emissions from a natural gas T&D system; however these were not calculated as they are determined to be de minimus compared to CH4 from this source.

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.(4) EF from GRI

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.

2016 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)		
9.92	22,800	226,226.6	205,229.2		

(1) Converted 19,844.44 pounds to short tons - the amount of emissions reported for CY 2016.

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

	square footage air-		Facility fugitive HFC
	conditioned	(short tons CO2e/sq ft)	(short tons CO2e)
		*	
Entergy owned space	2,158,989	0.00078	1,683
Entergy capital lease space	1,708,276	0.00078	1,332
Generation plant space	1,700,000	0.00078	1,325
Total Fugitive HFCs	5,567,265		4,340

Generation plant space assumes 50,000 sq. ft. per plant; 34 plants assumed.

From Nuclear facility		
		Facility fugitive HFC (short tons CO2e)
0	1300	0

Entergy nuclear facilities do not use HFCs for cooling

From all Entergy-owned vehicles			
		EF: HFC as % of CO2 emissions **	Facility fugitive HFC (short tons CO2e)
Vehicular A/C	52,037	3.50%	1,821

Total CO2 from all mobile source fuels are included

Total fugitive HFC emissions

6,161 short tons CO2e

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

The calculation used in calculating the emissions factor for metric tons of CO2e fugitive HFC.				Total Annual HFC losses (MT HFC/1000 ft2)		Total Annual HFC losses (MT CO2e)/ ft2	Total Annual HFC losses (short tons CO2e)/ ft2
	280	1.2	15%	0.000642857	0.71	0.00071	0.00078
			Source: EPA Climate		This is the emissions		Emissions factor for
			Leaders Gudance, January		factor that is applied		short tons CO2e per
	mottgroup.com/News	D/tsac/energy.asp	2004. Note: This estimate		to the square footage		ft2; conversion factor
	worthy/HVAC%20lss		is the source of the		of air-conditioned		1.1023
	ues/Rule%20of%20T		greatest uncertainty in the		space. This EF		
	humb%20Sizing.htm)		calculation, since the range		includes the global		
	Note that this is a		is 2-15%, and the average		warming potential for		
	conservative		is probably more like 5%.		HFC 134a (1,100).		
	estimate - a						
	reasonably designed						
	building should be						

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

	HFC Emissions Estin	nate			CO2 Emissions	Estimate		Emissions factor
Vehicle type	HFC capacity (kg HFC)		CO2 emissions (kg CO2e/yr-veh); GWP=1100	Miles per gallon				Emissions factor: HFC emissions (CO2e) to CO2 (as %)
Car	8.0	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%

						20	17
cde	Plant description	FACILITY CODE (SPO)	State	Total Entergy purchased from plant (MWh)	Unit/Plant-Specific Emission Factor (Ibs CO2MWh), Based on Total Output [from eRID2016 data, released 2/15/2018 unless otherwise noted]	523.8 1,109,223.0 420,783.9 84,015.1 - 833,169.7 1,269,062.3	
otals			1	9,077,392.1		38,243.9	short tons CO2

Total CO2e from Controllable Purchases

TOTAL 3,770,162.6 short tons CO2e

Indirect Emissions associated with purchased power	Totalpchsd power MWh	Loss factor %	Total power lost MWh		
CO2 emissions from T&D losses of purchased power on Entergy system CH4 emissions from T&D losses of purchased power on Entergy system N2O emissions from T&D losses of purchased power on Entergy system	9,077,392	3.478%	315,734	130,608.7 short tons CO2 27.6 short tons CO2e 2,352.2 short tons CO2e	
			TOTAL	132,988.6 short tons CO2e	

Grid Power purchased for EWC plants/operations (non-Entergy power)

Plant and associated facilities ⁽²⁾	2016 Electricity Usage (kwh)	eGRID Subregion	eGRID2016 Emission Factor (Ib CO2e/MWh)	Estimated Emissions (short tons CO2e)
Indian Point Energy Center (IPEC)	96,050,000	NYCW	637.08	30,595.7
ames A. Fitzpatrick (JAF)	15,799,000	NYUP	295.94	2,337.8
Pilgrim (PIL)	12,461,000	NEWE	563.72	3,512.2
Palisades (PAL) ⁽¹⁾	-	RFCM	1,278.90	0.0
TOTAL	124,310,000		TOTAL	36,445.7

Provided by Anthony Dichman based on Station Service Purchases from ISOs. Calculations on file.
 Vermont Yankee entered decommission status and did not operate beginning in 2016 - according to Nuclear, their power usage is negligible; so this was removed beginning in 2016.

*** 2014 NOTE - Due to the transition in late 2013 to MISO, Entergy is no longer quantifying emissions from "non-controllable purchases" due to the fact that there is a risk that double counting may occur.

Operating Company	Generation GWh	Purchases GWh	Total Power	Losses	% Lost
EAI	24,173	8,205	32,378	1,118	0.034529619
ELL	39,213	25,242	64,455	1,607	2.493212319
EMI	7,529	8,282	15,811	914	5.780785529
ENOI	1,742	5,836	7,578	47	0.620216416
ETI	8,621	15,986	24,607	696	2.828440456
SERI	10,543	-	10,543	(4)	-0.037939865
ELIM		(29,504)	(29,504)		
TOTALS*	91,821	34,047	125,868	4,378	0.034782415

*Per Kyle Sennino

Source: 2015 Stat Rpt Pg 35 4,378,000 Total Loss 125,868,000 Total Power 0.0348 % Loss

Product Combustion - Emissions from combustion of Natural Gas distributed to retail customers						
Values below represent those reported in the 2016 Annual GHG Inventory Report submitted by Gas Operations and provided to ESP 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	347,519.8	383,074.6				
Entergy New Orleans, Inc. Gas Business	427,529.0	471,269.5				
TOTAL	775,048.8	854,344.0				

Employee Commuting Emission Calculations

Commuter T	ravel Calculations
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Commuting Method (more than 75% of time)]	Survey # (n)	%
Number of Employees =	14000			
			13	1.03
Walkers =	144		4	0.32
Bikers =	44		104	8.24
Carpoolers =	1154		3	0.24
Vanpoolers =	33		6	0.48
Public Transporters =	67		1132	89.70
Individual Drivers =	12558			
Total	14000		1262	100.00

Commuting Distance (miles one-way)							1
- · · · · · ·	Low	Avg	High	# Employees	SURVEY RESPONSES (#)	SURVEY RESPONSES (%)	
	0.0	0.5	0.9	202	25	1%	
	1.0	3.0	5.0	1553	192		
	6.0	8.0	10.0	2572	318		
	11.0		20.0	3227	399		
	21.0		30.0	2548	315	18%	
	31.0		40.0	3898	482	28%	
Fotal	70.0	88.0	105.9	14000	1731	100%	d
Distribution of Commuting Method by Miles							1
biolibution of commuting method by miles	Individual Drivers	Carpoolers	Vanpoolers	Public	Bikers	Walkers	1
	181		-	1	4	108	
	1393		-	7	40	36	
	2307		-	12	-		
	2895		-	15	-	-	
	2285		-	12	-		
	3497		33	19	-	-	
Total	12558	1154	33	67	44	144	
Method of Transportation	Miles Trave	led by Method (using midpoint of	mileage range)	Estimated Emissions			
include of transportation			yearly miles	yearly gallons	bs	short tons	met tons
Walkers =	157		66811			-	
Bikers =	122	244	51890		-	-	
Carpoolers =	40957	81914	17447772	290796	5815924	2908	
/anpoolers =	1181	2363	503301	3355	67107	34	
Public Transporters =	1325	2650	564467	2258	45157	23	
ndividual Drivers =	249991	499981	106496040	4259842	85196832	42598	
Total			125130281	4556251	91125020	45563	

Employee Commuter Travel 2014

Commuting method (more than 75% of the time)		Total emissions kg CO2e				1
Individual car	106,496,040	39,890,328	43,971	39,891	77.8%	Ť
Vanpool	503,301	268,927	296	269	13.1%	Ť
Public Transportation	564,467	77,304	85	77	3.8%	Ť
Carpool	17,447,772	6,535,429	7,204	6,535		Ť
Bikers	51,890	-	-	-	0.0%	T
Walkers	66,811	-	-		0.0%	Ť
Total	125,130,281	46,771,989	51,557	46,772	100.0%	I
Commuting method (more than 75% of the time)	Miles travelled per year	Greenhouse gas	Total emissions kg CO2e	Total emissions short tons CO2e	Total Emissions metric tons CO2e	% total commuting emissions
Individual car	106.496.040	CO2	38.764.559			82.9%
Individual cal	100,498,040	CH4	69.329			0.1%
		N2O	1.056.441	1.165		2.3%
Vanpool	503,301	CO2	261.213	288		0.6%
valipool	303,301	CH4	380			0.0%
		N2O	7,333		0.30	0.0%
Public Transportation	564.467	CO2	77.077	85	77	0.2%
r ubic manaportation	304,407	CH4	25		0.02	0.2%
		N2O	201	0.22		0.0%
Carpool	17,447,772	CO2	6,350,989		6,351	13.6%
		CH4	11.358			0.0%
		N2O	173,082	191	173	0.4%
Bikers	51.890	CO2	-			0.0%
		CH4				0.0%
		N2O	-		-	0.0%
Walkers	66,811	CO2				0.0%
		CH4	-	-	-	0.0%
		N2O	-	-	-	0.0%
Total	125,130,281		46,771,988	51,557	46,772	100.0%
Calculation for Public Transportation	# of miles	Total emissions kg CO2e				

Calculation for Public Transportation	# of miles	Total emissions kg CO2e
50% Bus	282,233	30,246
5% Intercity Rail	28,223	5,231
5% Commuter Rail	28,223	4,864
40% Transit Rail	225,787	36,962
Total	564 467	77 304

EPA Methodology

E=VMT*(EFco2 + EFCH4*0.021 + EFN20*0.310)	Method of travel	EFcoz (kg Co2/vehicle-mile)	EFcH4 (a CH4/vehicle-mile)	EFN20(g N2O/vehicle-mile)
E= total CO2e	Individual car	0.364		0.032
VMT= vehicle miles travelled per vear	Vanpool	0.519		0.047
EFc02= CO2 emissions factor	Carpool	0.364		0.032
EFCH4= CH4 emissions factor	Bus	0.107	0.0006	0.0005
EFN20= N2O emissions factor	Short haul airline (domestic)	0.185	0.0104	0.0085
0.021= conversion factor	Medium haul airline (continental)	0.229	0.0104	0.0085
0.310= conversion factor	Long haul airline (intercontinental)	0.277	0.0104	0.0085
	Itercity rail	0.185		0.001
*used for individual car, carpool and vanpool	Commuter rail	0.172		0.001
	Transit rail	0.163	0.004	0.002
E=PMT*(EFco2 + EFCH4*0.021 + EFN20*0.310)				
E= total CO2e	Estimating Fuel Use			
PMT= passenger miles travelled per year	Fuel use= DT x FE			
EFc02= CO2 emissions factor	DT= Distance travelled activity fact	or		
EFCH4= CH4 emissions factor	FE= Fuel economy factor (ie. kgCC	02/mile, gCH4/mile, gN2O/mile) *see	emissions factors chart above	
EFN20= N2O emissions factor				
0.021= conversion factor	*used to detrmine the breakdown o	f CO2, CH4, N20 within total CO2e.		
0.310= conversion factor				
*used for bus, air and rail travel				

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

Assumptions
Assumptions
Assumptions
Stable Schedule - all employees commute nine days every two weeks
2 weeks of vacation
12 holdays
For a tatal of 213 work days per employee per year
Valkena and bise index all put into to to 5 miles
Carpotales and Varipotales all put into to to 5 miles
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Car

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	02 Emissions	lbs					N20 Emissions			
	EPA Standard Heating Value (HHV): custom heating values	Carbon content coefficient (kg C/MMBtu)	Fraction	EPA emission factor (kg CO2/MMBtu	EPA emission factor (kg CO2/mass or	EPA emission factor (kg CO2/mass or	EPA emission factor (lbs CO2/MMBtu	EPA emission factor (lbs CO2/mass or	EPA emission factor (lbs CO2/mass or	EPA emission factor	EPA emission factor (kg CO2e/MMBtu)	EPA emission factor (Ibs CO2e/MMBtu	emissions factor (Ibs CO2e CH4/Ib	EPA emission factor	EPA emission factor (kg CO2e/MMBtu)	EPA emission factor (lbs CO2e/MMBtu	
Fuel type	should be used if	(based on HHV)	oxidized	(HHV)*	volume unit)	volume unit)	(HHV)*	volume unit)	volume unit)	(g CH4/MMBtu)	GWP=25)	CO2)	(g N20/MMBtu)	GWP=298)	CO2)
Liquid fossil	MMBtu/bbl 5,253	10.04	0.99	70.95	kg CO2/gallon 8,79	kg CO2/bbl 369.18	156.44	Ibs CO2/gallon	lbs CO2/bbl 814.04								
Gasoline / petrol	5.253		0.99		9.66	405.88	156.44	19.38 21.31	814.04 894.97								
Kerosene Jet Fuel	5.670		0.99		9.66	397.74	157.84	21.31	894.97	Note: CH4/N2O	emissions fact	ors for all mob		dependent on many nce Protocol	variables; for	mobile source	s consult the
	5.048		0.99		9.47	397.74	154.72	20.88	762.18	-			EPA Guida	nce Protocol			
Aviation gasoline Distillate fuel	5.046	10.07	0.99	06.50	8.23	345.00	151.04	18.15	/62.18	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	000 54	2.7 (elect gen)	0.045		0.0006	.54 (Ind) .54 (elect gen)	0.16092	0.355	
(# 1,2,4, diesel)	5.825	19.95	0.99	72.42	10.08	423.36	159.68	22.23	933.51	2.7 (elect gen) 1.8 (ind)	0.068		0.0009	.54 (elect gen) 1.8 (ind)		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)	0.045		0.0006	2.7 (elect gen)	0.16092	0.355	
LPG	6.287		0.99		5.65	237.45	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
	3.824		0.99		5.05	237.45	138.07	12.47	523.58								
Propane Ethane	2.916		0.99		4.12	172.91	137.07	9.08	320.90								
n-Butane	4.326		0.99		4.12	279.80	141.83	9.08	616.96	-	Noto		niona factora f	or all mobile sources	oro dopondop		richlos
Isobutane	4.162		0.99		6.42	269.52	141.83	14.09	594.29	-	note.			s consult the EPA G			lables,
E85	e EPA Guidance	17.75	0.99	04.43	0.42	0.00	0.00	14.13	0.00	-		101	mobile source		uluance r lotot	,01	
CNG	1,027	14.47	0.995	52.79	.054 /cf	0.00	0.00	.12 /cf	0.00	-							
LNG	1,027	14.47	0.995	52.79	5.91 /gal			13.01 /gal									
Petroleum coke	6.024	27.85	0.99	101.10	5.91/gai		0.00	0.00									
Gaseous fossil	MMBtu/mcf	27.03	0.99	101.10	cu. ft.		0.00	cu. ft.									
Natural gas (dry)										4.75 (ind)	0.119		0.00225	0.095 (ind)			
0 ())	1.027		0.995	52.79	0.0542		116.41			0.95 (elect gen)	0.025	0.055	0.00047	0.095 (elect gen)	0.030	0.066	0.0006
Solid fossil	MMBtu/short tor	n			short ton			short ton		1	r						
Anthracite										10.0 (ind)	0.250		0.00265	1.4 (ind)			
	25.09		0.99		2,573.83		226.20	5,675.30		1.0 (elect gen)	0.025		0.00027	(5)	0.48		
Bituminous coal	24.93		0.99		2,306.74		204.03	5,086.36					% of "unspecified of			% 0	of "unspecified coal"
Sub-bituminous coal	17.25		0.99		1,658.11		211.95	3,656.13				Use the CH4/N	I2O emissions	factors above for all	coal types		
Lignite	14.21		0.99		1,356.61		210.51	2,991.33									
Coke	24.80		0.99		2,507.17		222.92	5,528.31									
Unspecified (elec gen)	20.63		0.99		1,945.56		207.95	4,289.96									
Unspecified (indus)	23.03	25.75	0.99	93.47	2,151.84		206.11	4,744.81									
Biofuels										30.1 (ind/clost						1	
Wood and wood waste	15.38 MMBtu /shor		0.995				204.91			30.1 (ind/elect gen)	0.753			4.01 (ind/elect gen)	1.19		
Landfill gas (50/50)	502.5 Btu/cu ft	. 14.2	0.995	51.81	.0260 /cf		114.24	.05733 /cf						fuels are less than 1			
Biodiesel					9.29 /gal			20.48 /gal		Note: CH4/N2O e	missions facto	rs for all mobile	e sources are d	lependent on many v	ariables; for m	obile sources	consult the
Ethanol (100)	3.539 MMBtu/bb	17.99	0.99	65.30	5.5 /gal		143.99	12.13 /gal	509.46 /bbl								

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

Note: it is assume the combustion of biomass and biotuels does not motivate and biotuels does not not biotuce and biotuels does not biotuce and biotuce and

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		
1metric ton N ₂ O	310 metric tons CO ₂ equivalent		
1 metric ton carbon	3.664 metric tons CO ₂		

Global Warming Potentials and Atmospheric Lifetimes (years)						
Gas Atmospheric Lifetime GWP ^a						
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 [°]	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 [°]	3,200	22,800				

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

a using a 100 year time horizon

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

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

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

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.