



Texas A&M University Greenhouse Gases (GHG) Emissions Inventory

Fiscal Year 2019 (August 31, 2018 to September 30, 2019)

Fiscal Year	Scope	Source	CO ₂ (kg)	CO ₂ (MTCDE)	CH ₄ (kg)	CH ₄ (MTCDE)	N ₂ O (kg)	N ₂ O (MTCDE)	GHG MTCDE
2019	1	Co-gen Electricity	89,107,784	89,108	8,866	248	177	47	89,403
2019	1	Co-gen Steam	48,803,015	48,803	4,856	136	97	26	48,965
2019	1	Other On-Campus Stationary	14,075,007	14,075	1,400	39	28	7	14,122
2019	1	Direct Transportation	8,724,754	8,725	164	5	113	30	8,759
2019	1	Refrigerants & Chemicals	-	-	-	-	-	-	3,245
2019	1	Fertilizer & Animals	-	-	26,697	748	492	130	878
2019	2	Purchased Electricity	133,733,070	133,733	9,474	265	1,292	342	134,341
2019	3	Faculty Commuting	2,749,840	2,750	146	4	95	25	2,779
2019	3	Staff Commuting	9,000,637	9,001	484	14	311	82	9,097
2019	3	Student Commuting	23,089,390	23,089	841	24	555	147	23,260
2019	3	Directly Financed Air Travel	12,577,401	12,577	137	4	141	37	12,618
2019	3	Other Directly Financed Travel	4,688,577	4,689	252	7	164	44	4,739
2019	3	Study Abroad Air Travel	34,937,815	34,938	379	11	390	103	35,052
2019	3	Solid Waste	-	-	857,460	24,009	-	-	24,009
2019	3	Wastewater	-	-	808	23	1,079	286	309
2019	3	Paper Purchasing	-	-	-	-	-	-	927
2019	3	T&D Losses	6,847,775	6,848	485	14	66	18	6,879

Scopes

Fiscal Year	Scope	CO ₂ (kg)	CH ₄ (kg)	N ₂ O (kg)	GHG MTCDE
2019	1	160,710,561	41,983	907	165,371.93
2019	2	133,733,070	9,474	1,292	134,340.68
2019	3	93,891,434	860,992	2,801	119,668.15

Totals

Fiscal Year	CO ₂ (kg)	CH ₄ (kg)	N ₂ O (kg)	Gross MTCDE	Offsets (MTCDE)	Compost (MTCDE)	Non-Additional Sequestration (MTCDE)	Biogenic (MTCDE)	Net MTCDE
2019	#####	912,450	5,000	419,380.76	0	-722.65	0	0	418,658.10