

# Texas A&M University GHG Emissions Inventory

FY19 (August 31, 2018 to September 30, 2019)



Fiscal Year	Scope	Source	CO2 (kg)	CO2 (MTCDE)	CH4 (kg)	CH4 (MTCDE)	N2O (kg)	N2O (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	CO2 (kg)	CH4 (kg)	N2O (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	CO2 (kg)	CH4 (kg)	N2O (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