

Appendix A – 2014 Tompkins County Government Operations GHG Emissions Inventory Facilities Utility Use

Department		MTCO2e	MTCO2e (%)	Energy (MMBtu)	Energy (%)	Cost	Cost (%)
TC Public Library	Electricity	130		2,391		\$81,165.67	
	Natural Gas	113		2,115		\$18,476.59	
Subtotal TC Public Library		243	8.8%	4,506	8.8%	\$99,642.26	11.0%
Human Services	Electricity	137		2,511		\$81,777.91	
	Natural Gas	146		2,746		\$23,859.31	
Subtotal Human Services		283	10.2%	5,257	10.2%	\$105,637.22	11.7%
Public Safety Building	Electricity	115		2,117		\$58,267.96	
	Natural Gas	139		2,619		\$23,360.12	
Subtotal Public Safety Building		255	9.2%	4,736	9.2%	\$81,628.08	9.0%
Courthouse Complex	Electricity	108		1,986		\$55,909.51	
	Natural Gas	174		3,274		\$27,709.86	
Subtotal Courthouse Complex		282	10.2%	5,261	10.3%	\$83,619.37	9.3%
Mental Health	Electricity	100		1,834		\$56,756.38	
	Natural Gas	81		1,523		\$13,322.43	
Subtotal Mental Health		181	6.6%	3,356	6.5%	\$70,078.81	7.8%
Emergency Response	Electricity	76		1,396		\$37,394.10	
	Natural Gas	37		694		\$6,628.13	
Subtotal Emergency Response		113	4.1%	2,090	4.1%	\$44,022.23	4.9%
Health Department	Electricity	54		988		\$29,582.27	
	Natural Gas	93		1,740		\$15,277.48	
Subtotal Health Department		146	5.3%	2,728	5.3%	\$44,859.75	5.0%
Old Library Building	Electricity	42		777		\$23,426.69	
	Natural Gas	154		2,896		\$24,111.46	
Subtotal Old Library Building		196	7.1%	3,673	7.2%	\$47,538.15	5.3%
Public Works Facility	Electricity	45		826		\$24,152.89	
	Natural Gas	169		3,172		\$27,222.74	
	Waste Oil	8		105		\$0.00	
	Propane	1		9		\$154.00	
Subtotal Public Works Facility		222	8.0%	4,112	8.0%	\$51,529.63	5.7%
Building C	Electricity	36		662		\$18,113.72	
	Natural Gas	39		731		\$6,771.75	
Subtotal Building C		75	2.7%	1,393	2.7%	\$24,885.47	2.8%
DMV	Electricity	8		150		\$5,188.67	
	Natural Gas	14		262		\$2,742.07	
Subtotal DMV		22	0.8%	412	0.8%	\$7,930.74	0.9%
Board of Elections	Electricity	4		65		\$2,567.24	
	Natural Gas	15		289		\$2,877.37	
Subtotal Board of Elections		19	0.7%	353	0.7%	\$5,444.61	0.6%
Highway Sallite	Electricity	3		48		\$3,673.09	
	Natural Gas	0		0		\$0.00	
Subtotal Highway Sallite		3	0.1%	48	0.1%	\$3,673.09	0.4%
Human Services Annex	Electricity	3		59		\$1,949.65	
	Natural Gas	14		272		\$3,028.70	
Subtotal Human Services Annex		18	0.6%	330	0.6%	\$4,978.35	0.6%
Airport Facilities	Electricity	258		4,731		\$119,960.56	
	Natural Gas	339		6,381		\$52,991.07	
Subtotal Airport Facilities		597	21.6%	11,112	21.7%	\$172,951.63	19.1%
Street Lights & Traffic Signals	Electricity	7		132		\$5,493.49	
	Natural Gas	0		0		\$0.00	
total Street Lights & Traffic Signals		7	0.3%	132	0.3%	\$5,493.49	0.6%
Solid Waste Facilities	Electricity	52		948		\$40,495.38	
	Natural Gas	46		874		\$9,290.11	
Subtotal Solid Waste Facilities		98	3.6%	1,822	3.6%	\$49,785.49	5.5%
Total		2,761	100.0%	51,322	100.0%	\$903,698.37	100.0%

- Fuel use of the vehicle fleet and off-road vehicles

Department		Annual Fuel Use (U.S. Gallon)	Annual Fuel Use (%)	MTCO2e	MTCO2e (%)	Energy (MMBtu)	Energy (%)	Cost	Cost (%)
Sheriff	Diesel	136	0.1%	1	0.1%	19	0.1%	\$131.89	0.0%
	Ethanol (5.7% blend)	1,592	1.0%	13	1.0%	195	1.0%	\$693.26	0.1%
	Ethanol (10% blend)	244.27	0.2%	2	0.1%	30	0.1%	\$582.20	0.1%
	Gas	49,990	32.6%	443	32.7%	6,246	31.4%	\$149,466.36	26.9%
Subtotal Sheriff		51,962	33.9%	459	33.9%	6,490	32.6%	\$150,873.71	27.2%
DSS	Ethanol (5.7% blend)	12	0.0%	0	0.0%	1	0.0%	\$2,460.99	0.4%
	Ethanol (10% blend)	679	0.4%	5	0.4%	82	0.4%	\$91.45	0.0%
	Gas	5,681	3.7%	50	3.7%	710	3.6%	\$20,591.71	3.7%
Subtotal DSS		6,373	4.2%	56	4.1%	793	4.0%	\$23,144.15	4.2%
Health	Ethanol (5.7% blend)	17	0.0%	0	0.0%	2	0.0%	\$231.84	0.0%
	Ethanol (10% blend)	90	0.1%	1	0.1%	11	0.1%	\$52.58	0.0%
	Gas	2,867	1.9%	25	1.9%	358	1.8%	\$2,833.04	0.5%
Subtotal Health		2,974	1.9%	26	1.9%	371	1.9%	\$3,117.46	0.6%
Highway	Diesel	4,715	3.1%	48	3.6%	651	3.3%	\$21,265.50	3.8%
	B10	23,574	15.4%	217	16.0%	3,232	16.3%	\$106,661.40	19.2%
	B20	28,522	18.6%	233	17.2%	3,881	19.5%	\$129,046.75	23.3%
	Ethanol (5.7% blend)	72	0.0%	1	0.0%	9	0.0%	\$857.87	0.2%
	Gas	18,119	11.8%	159	11.8%	2,264	11.4%	\$70,737.00	12.8%
Subtotal Highway		75,003	48.9%	657	48.5%	10,037	50.5%	\$328,568.52	59.2%
Probation	Ethanol (10% blend)	196	0.1%	2	0.1%	24	0.1%	\$13.15	0.0%
	Gas	1,192	0.8%	11	0.8%	149	0.7%	\$3,611.21	0.7%
Subtotal Probation		1,388	0.9%	12	0.9%	173	0.9%	\$3,624.36	0.7%
Emergency Response	Diesel	278	0.2%	3	0.2%	38	0.2%	\$950.67	0.2%
	Gas	973	0.6%	9	0.6%	122	0.6%	\$2,196.53	0.4%
Subtotal Emergency Response		1,252	0.8%	11	0.8%	160	0.8%	\$3,147.20	0.6%
Mental Health	Ethanol (5.7% blend)	16	0.0%	0	0.0%	2	0.0%	\$1,531.06	0.3%
	Ethanol (10% blend)	518	0.3%	4	0.3%	63	0.3%	\$41.49	0.0%
	Gas	1,029	0.7%	9	0.7%	129	0.6%	\$3,120.84	0.6%
Subtotal Mental Health		1,563	1.0%	13	1.0%	193	1.0%	\$4,693.39	0.8%
Solid Waste	Gas	1,224	0.8%	11	0.8%	153	0.8%	\$3,683.21	0.7%
Subtotal Solid Waste		1,224	0.8%	11	0.8%	153	0.8%	\$3,683.21	0.7%
Assessment	Ethanol (5.7% blend)	13	0.0%	0	0.0%	2	0.0%	\$176.73	0.0%
	Ethanol (10% blend)	60	0.0%	0	0.0%	7	0.0%	\$82.98	0.0%
	Gas	831	0.5%	7	0.5%	104	0.5%	\$2,514.68	0.5%
Subtotal Assessment		905	0.6%	8	0.6%	113	0.6%	\$2,774.39	0.5%
Clerk	Ethanol (10% blend)	27	0.0%	0	0.0%	3	0.0%	\$223.72	0.0%
	Gas	736	0.5%	7	0.5%	92	0.5%	\$4,862.08	0.9%
Subtotal Clerk		763	0.5%	7	0.5%	95	0.5%	\$5,085.80	0.9%
Weights & Measures	Gas	396	0.3%	3	0.3%	49	0.2%	\$1,201.57	0.2%
Subtotal Weights & Measures		396	0.3%	3	0.3%	49	0.2%	\$1,201.57	0.2%
Planning	Ethanol (5.7% blend)	5	0.0%	0	0.0%	1	0.0%	\$71.88	0.0%
	Ethanol (10% blend)	24	0.0%	0	0.0%	3	0.0%	\$45.00	0.0%
	Gas	102	0.1%	1	0.1%	13	0.1%	\$318.17	0.1%
Subtotal Planning		131	0.1%	1	0.1%	16	0.1%	\$435.05	0.1%
ITS	Gas	86	0.1%	1	0.1%	11	0.1%	\$255.21	0.0%
Subtotal ITS		86	0.1%	1	0.1%	11	0.1%	\$255.21	0.0%
Airport	Diesel	3,293	2.1%	34	2.5%	455	2.3%	\$2,702.94	0.5%
	Gas	1,519	1.0%	13	1.0%	190	1.0%	\$1,701.11	0.3%
Subtotal Airport		4,811	3.1%	47	3.5%	644	3.2%	\$4,404.05	0.8%
Facilities	Diesel	19	0.0%	0	0.0%	3	0.0%	\$944.10	0.2%
	B20	230	0.1%	2	0.1%	31	0.2%	\$66.35	0.0%
	Gas	4,385	2.9%	39	2.8%	548	2.8%	\$18,744.38	3.4%
Subtotal Facilities		4,633	3.0%	41	3.0%	582	2.9%	\$19,754.83	3.6%
Board of Elections	Gas	5	0.0%	0	0.0%	1	0.0%	\$15.38	0.0%
Subtotal Board of Elections		5	0.0%	0	0.0%	1	0.0%	\$15.38	0.0%
Total		153,467	100.0%	1,354	100.0%	19,881	100.0%	\$554,778.28	100.0%