

KENT COUNTY LEVY COURT PUBLIC WORKS  
 GREENHOUSE GAS REPORT  
 2016

Table 3. GHG Inventory

	2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons	Usage	GHG Emissions Metric Tons
<b>Natural Gas</b>																		
Usage (cubic feet)	21687	1307.7	44727	2697.0	41209	2484.9	37540	2263.7	38407	2315.9	41616	2509.4	36060	2174.4	44640	2691.8	45691	2755.2
<b>Diesel Fuel</b>																		
All Uses (gallons)	8364.4	99.5	10000.1	119.0	9493.4	113.0	11582	137.8	6500	77.4	6424	76.4	6424	76.4	7511.2	89.4	8049.9	8049.9
Transportation (miles)	80	1.0	100	1.2	100	1.2	100	1.2	100	1.2	100	1.2	100	1.2	100	1.2	100	1.2
<b>Gasoline</b>																		
Usage (gallons)	300	2.7	300	2.7	500	4.5	1300	11.7	1000	9	100	0.9	30	0.27	0	0	0	0
Transportation (miles)	20	0.2	20	0.2	20	0.2	20	0.2	20	0.2	20	0.2	20	0.2	0	0.0	0	0
<b>Electricity</b>																		
Usage (kwh)	12768480	8810.3	12288960	8479.4	11810800	8149.5	11001600.00	7591.10	10498320.00	7243.84	9715024.00	6703.37	11625264.00	8021.43	10945000.00	7552.1	11493600	7930.6
Solar Offset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Chlorine</b>																		
Manufacture (pounds)	130750	156.9	132823	159.4	94520	113.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0
Transportation (miles)	2096	24.9	2227	26.5	1441	17.1	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sulfur Dioxide</b>																		
Manufacture (pounds)	77945	10795.4	96460	13359.7	97167	13457.6	0	0	0	0	0	0	0	0	0	0	0	0
Transportation (miles)	1310	15.6	1572	18.7	1572	18.7	0	0	0	0	0	0	0	0	0	0	0	0
<b>Ferric Chloride</b>																		
Manufacture (tons)	1008	366.9	1128	410.6	1056	384.4	738	268.6	2185	795.3	1112	404.8	1050	382.2	1,002	364.7	1,092	397.5
Transportation (miles)	14070	167.4	15745	187.4	14740	175.4	10300	122.6	30495	362.9	15520	184.7	10300	122.6	9829	117.0	10712	127.5
<b>Lime</b>																		
Manufacture (tons)	1175	427.7	1125	409.5	1025	373.1	1075	391.3	1,034	376.4	950	345.8	781	284.3	1557	566.7	1477	537.6
Transportation (miles)	8836	105.1	8500	101.2	8000	95.2	8200	97.6	8000	95.2	7000	83.3	6800	80.9	13556	161.3	12860	153.0
<b>Polymer</b>																		
Usage (tons)	60	101.4	126	212.9	78	131.8	11.1	18.8	18.3	30.9	20.9	35.3	25.3	42.8	34.1	57.6	19.8	33.5
Transportation (miles)	900	10.7	1890	22.5	1170	13.9	170	2.0	275	3.3	315	3.7	370	4.4	499	5.9	290	3.5
<b>Total GHG</b>																		
Tons		22393.5		26207.9		25534.0		10906.6		11311.6		10349.2		11191.1		11607.7		19989.4
Year to Year Change				17.0		-2.6		-57.3		3.7		-8.5		8.1		3.7		72.2
Million Gals. Treated	4059.69		4462.91		5163.85		4405.41		4184.21		4593		4865.86		4598.27		4633.05	
Tons/MG Treated		5.516066734		5.872377863		4.94475931		2.47572503		2.70339369		2.25325723		2.29992802		2.5243711		4.31451789