

	A	B	C	D	E	F	G	H	I	J	K
1											
2	Oberlin 2020 Project						Summary				
3	Greenhouse Gas Emissions Inventory, 2000						Rick Heede, RMI				
4											
5					Physical Units	GHG Emissions		CO2 Equivalent		Percent of Total	
6	Buildings										
7	Electricity				21,292,434 kWh	47,405,475 lbs CO2		23,702.7 tons CO2		47.01%	
8	Natural Gas				68,619 MCF, 24 tons CH4	9,289,540 lbs CO2		4,644.8 tons CO2		9.21%	
9	Central Heating Plant / Coal				6,912 tons 59%C coal	29,610,030 lbs CO2		14,805.0 tons CO2		29.37%	
10	Coal mining: methane emissions				19.94 tons CH4	837,480 lbs CO2-e		418.7 tons CO2-e		0.83%	
11	Powerplants: nitrous oxide emissions				621 lbs N2O	192,510 lbs CO2-e		96.3 tons CO2-e		0.19%	
12	Refrigerants				600 lb R12, 270 lb R22	5,714,040 lbs CO2-e		2,857.0 tons CO2-e		5.67%	
13	Total buildings					93,049,075 lbs CO2-e		46,524.5 tons CO2-e		92.28%	
14											
15	Transportation										
16	Campus vehicles: gasoline				9,849 gallons	192,686 lbs CO2		96.3 tons CO2		0.19%	
17	Campus vehicles: diesel				3,286 gallons	73,554 lbs CO2		36.8 tons CO2		0.07%	
18	Gasoline purchased at MickeyMart				20,573 gallons	403,107 lbs CO2		201.6 tons CO2		0.40%	
19	Mileage on Controllers Office invoices				7,454 gallons	146,098 lbs CO2		73.0 tons CO2		0.14%	
20	Garbage trucks: diesel				105 gallons	2,350 lbs CO2		1.2 tons CO2		0.00%	
21	Commuting: faculty and staff				148,742 gallons	2,914,443 lbs CO2		1,457.2 tons CO2		2.89%	
22	Commuting: students				22,436 gallons	439,611 lbs CO2		219.8 tons CO2		0.44%	
23	Coal transportation PA to Oberlin rt				19,296 gallons	431,922 lbs CO2		216.0 tons CO2		0.43%	
24	Public Transportation				regional buses only	0 lbs CO2		0.0 tons CO2		0.00%	
25	Air Travel				1,464,368 psngr-mis	934,267 lbs CO2		467.1 tons CO2		0.93%	
26	Team, club & orchestra travel				1,040 gallons	20,378 lbs CO2		150.2 tons CO2		0.30%	
27	Total transportation					5,558,416 lbs CO2		2,919.3 tons CO2		5.79%	
28											
29	Landfill										
30	Landfill & recycling energy use				2,320 kWh	5,165 lbs CO2		2.6 tons CO2		0.01%	
31	Captured and passthrough CO2				1,189,170 ft^3 CO2	133,472 lbs CO2		66.7 tons CO2		0.13%	
32	Uncaptured and released CO2				297,293 ft^3 CO2	33,368 lbs CO2		16.7 tons CO2		0.03%	
33	Captured and burned methane				1,189,170 ft^3 CH4	138,391 lbs CO2		69.2 tons CO2		0.14%	
34	Uncaptured and released methane				297,293 ft^3 CH4	12,136 lbs CH4		127.4 tons CO2-e		0.25%	
35	Total landfill					na		282.6 tons CO2-e		0.56%	
36											
37	Water & wastewater										
38	Wastewater plant: methane released				114,039 ft^3 CH4	4,656 lbs CH4		48.9 tons CO2-e		0.10%	
39	Wastewater plant: methane flared				456,157 ft^3 CH4	53,088 lbs CO2		26.5 tons CO2-e		0.05%	
40	Wastewater plant: electricity				241,477 kWh	537,624 lbs CO2		268.8 tons CO2		0.53%	
41	Water supply plant: electricity				181,165 kWh	403,346 lbs CO2		201.7 tons CO2		0.40%	
42	Total water & wastewater					na		545.9 tons CO2-e		1.08%	
43											
44	Food supply										
45	Beef cattle: methane eructation				7,300 lbs beef	8,629 lbs CH4		90.6 tons CO2-e		0.18%	
46	Total food supply					8,629 lbs CH4		90.6 tons CO2-e		0.18%	
47											
48	Oberlin lands										
49	Clark Farm				1,002 lbs CH4	21,038 lbs CO2-e		10.5 tons CO2-e		0.02%	
50	Camden Bog				2,207 lbs CH4	46,347 lbs CO2-e		23.2 tons CO2-e		0.05%	
51	Campus lands				not measured	na		tons CO2-e		0.00%	
52	Fertilizer application				10 tons 20% N fertilizer	132 lbs N2O		20.4 tons CO2-e		0.04%	
53	Total Oberlin lands					na		54.1 tons CO2-e		0.11%	
54											
55	Total				various	various		50,417 tons CO2-e		100%	
56											