

University of Michigan Ann Arbor Campus Annual Environmental Metrics - FY21

Energy	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Total Energy Consumption (MMBtu)	6,855,207	6,330,317	6,338,547	6,509,271	6,903,207	7,168,086	7,414,679	7,218,097	7,636,595	7,703,849	6,904,072	7,077,255	6,975,104	6,924,524	6,708,722	6,688,920
Total Energy Consumption (Btu/person)	91,244,604	83,128,476	81,173,920	82,214,756	85,725,366	87,921,775	89,252,831	84,634,023	88,811,044	88,623,333	78,499,076	78,111,086	74,450,349	72,254,651	68,089,502	68,621,199
Total Energy Consumption (Btu/person/ft2)	3.19	2.71	2.60	2.62	2.52	2.55	2.51	2.38	2.50	2.42	2.13	2.11	1.99	1.91	1.79	1.79
Building Energy (MMBtu)	6,751,526	6,226,435	6,231,890	6,400,287	6,802,596	7,057,766	7,305,703	7,110,782	7,526,583	7,599,158	6,802,866	6,973,424	6,872,729	6,822,849	6,621,275	6,621,752
Building Energy (Btu/ft2)	235,906	202,984	199,930	203,812	200,088	205,055	205,795	200,267	212,183	207,798	184,906	188,742	183,367	180,237	173,866	172,568
Building Energy (Btu/person)	89,864,583	81,764,318	79,808,027	80,838,240	84,475,959	86,568,615	87,941,047	83,375,719	87,531,637	87,418,986	77,348,368	76,965,115	73,357,625	71,193,710	67,201,966	67,932,123
Building Energy (Btu/ft2/person)	3.14	2.67	2.56	2.57	2.48	2.52	2.48	2.35	2.47	2.39	2.10	2.08	1.96	1.88	1.76	1.77
Transportation Energy Consumption (MMBtu)	103,681	103,882	106,657	108,984	100,611	110,320	108,976	107,316	110,012	104,692	101,206	103,831	102,375	101,675	87,447	67,168
Transportation Energy Consumption (Btu/person)	1,380,021	1,364,158	1,365,893	1,376,516	1,249,408	1,353,160	1,311,783	1,258,304	1,279,406	1,204,348	1,150,709	1,145,971	1,092,724	1,060,941	887,536	689,076
Bus Energy Consumption (MMBtu)	39,121	38,599	40,748	41,445	42,033	43,595	44,481	43,591	44,261	42,641	41,098	41,471	42,725	44,574	21,978	41,264
Bus Energy Consumption (Btu/passenger)	6,991	6,598	6,859	6,896	6,459	6,336	5,996	5,894	5,976	5,795	5,853	5,558	5,425	5,964	3,744	35,225
Fleet Vehicles Energy Consumption (MMBtu)	64,560	65,283	65,910	67,539	58,579	66,726	64,495	63,725	65,751	62,050	60,108	62,356	59,651	57,101	65,469	25,904
Renewable Percentage for Transportation Energy (%)	19.6	19.0	18.7	18.5	18.3	18.0	17.3	16.5	10.1	9.9	9.3	9.0	7.7	7.0	6.4	8.7
Campus Bus Ridership (Total passengers)	5,596,054	5,850,234	5,940,576	6,010,276	6,507,915	6,880,323	7,418,841	7,395,131	7,406,088	7,358,251	7,022,036	7,461,222	7,876,102	7,473,296	5,869,892	1,171,447
Van Pooling (Vehicle miles)	1,291,409	1,436,915	1,396,910	1,576,298	1,715,952	1,430,065	1,792,914	1,654,942	1,511,835	1,857,209	1,864,961	1,833,582	1,778,571	1,537,912	Not Available	Not Available
Van Pooling (Passenger miles)	7,824,153	8,659,109	7,467,618	8,085,266	10,464,984	8,996,422	11,160,495	10,213,106	9,300,804	11,904,911	11,175,396	9,955,009	10,650,877	9,316,207	Not Available	Not Available
Van Pool (Number of passengers)	424	476	498	527	532	569	624	612	644	677	630	464	608	770	604	420
M-Ride Bus Ridership	2,014,753	2,091,564	2,212,941	2,430,501	2,300,718	2,387,588	2,543,124	2,737,718	2,701,905	2,523,203	2,343,361	2,485,373	2,650,807	2,544,931	1,871,292	352,690
Bicycle Ridership (Number of bike racks)	3,412	3,412	3,412	4,250	4,250	4,300	4,300	4,385	4,390	4,390	4,381	4,381	4,417	4,425	4,497	4,497
Total Purchased Electricity (MWh)	433,064	437,583	460,275	436,861	506,720	577,942	498,725	527,964	487,255	488,283	503,674	525,215	504,845	530,862	491,626	467,363
Purchased Electricity from Renewable Sources (MWh)	866	4,813	5,063	5,242	6,587	7,513	8,977	18,004	23,193	34,424	38,984	42,542	43,164	42,787	42,624	53,980
Purchased Electricity from Non-Renewable Sources (MWh)	432,198	432,770	455,212	431,619	500,132	570,429	489,748	509,961	464,062	453,859	464,690	482,673	461,681	488,074	449,002	413,382
Purchased Natural Gas (CCF)	51,770,377	46,460,401	45,675,423	48,189,300	50,042,555	50,320,452	54,829,329	52,533,478	57,935,946	58,708,083	50,308,475	51,271,081	50,961,343	49,575,879	48,937,477	49,764,123
Purchased LP Gas (Gal)	35,517	35,954	34,620	39,406	29,710	33,688	29,008	34,594	35,644	36,731	31,345	29,366	30,566	13,799	9,464	7,263
Purchased Fuel Oil (gal)	0	0	57,992	0	119,992	0	456,807	0	65,011	0	0	0	0	20,111	0	0
Gallons E85 Total	146,779	143,582	140,769	140,074	121,549	135,621	118,056	105,271	33,581	26,788	31,634	15,372	21,968	16,161	9,839	5,841
Gallons E70 Total	0	0	0	0	0	0	0	0	54,327	41,766	32,883	26,915	23,245	20,329	13,054	0
Gallons E75 Total	0	0	0	0	0	0	0	0	0	0	0	13,528	0	0	0	0
Gallons ULSD/20%Biodiesel Total	288,777	347,074	363,648	370,702	283,408	373,047	382,342	373,516	203,530	220,708	193,116	213,818	183,450	176,419	151,046	199,824
Gallons ULSD/5%Biodiesel Total	0	0	0	0	0	0	0	0	0	147,155	167,783	155,965	192,731	206,277	182,151	152,164
Gallons Ultra-Low Sulfur Diesel Total	0	0	0	0	57,500	0	0	0	180,248	0	0	0	0	0	0	0
Gallons Unleaded Gas Total	326,802	345,035	351,025	362,374	341,396	373,696	365,417	371,088	390,649	380,447	363,540	380,922	370,437	364,087	315,019	145,247
Gallons E85 Buses	648	627	1,567	1,805	1,308	1,268	2,410	2,766	655	1,773	460	164	282	730	80	499
Gallons E70 Buses	0	0	0	0	0	0	0	0	1,039	1,317	343	103	328	43	214	0
Gallons E75 Buses	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0
Gallons ULSD/20%Biodiesel Buses	248,966	279,275	294,708	299,932	258,077	315,352	320,271	310,706	167,439	178,249	154,113	164,740	142,805	144,057	124,137	168,124
Gallons ULSD/5%Biodiesel Buses	0	0	0	0	0	0	0	0	0	122,582	137,220	126,675	157,267	168,649	26,901	127,096
Gallons Ultra-Low Sulfur Diesel Buses	0	0	0	0	45,982	0	0	0	147,928	0	0	0	0	0	0	0
Gallons Unleaded Gas Buses	1,136	952	479	138	500	750	1,603	4,744	5,208	7,412	7,185	10,432	10,668	11,427	9,292	4,498
Gallons E85 Fleet	146,131	142,956	139,202	138,269	120,242	134,353	115,647	102,505	32,925	25,015	31,174	15,209	21,686	15,431	9,759	5,342
Gallons E70 Fleet	0	0	0	0	0	0	0	0	53,289	40,449	32,540	26,812	22,916	20,286	12,840	0
Gallons E75 Fleet	0	0	0	0	0	0	0	0	0	0	0	13,429	0	0	0	0
Gallons ULSD/20%Biodiesel Fleet	39,811	67,798	68,941	70,771	25,330	57,695	62,071	62,810	36,091	42,459	39,003	49,078	40,645	32,362	26,909	31,700
Gallons ULSD/5%Biodiesel Fleet	0	0	0	0	0	0	0	0	0	24,573	30,563	29,290	35,465	37,628	155,250	25,068
Gallons Ultra-Low Sulfur Diesel Fleet	0	0	0	0	11,519	0	0	0	32,320	0	0	0	0	0	0	0
Gallons Unleaded Gas Fleet	325,666	344,083	350,546	362,236	340,896	372,946	363,815	366,344	385,441	373,035	356,355	370,461	359,769	352,661	305,728	140,749
Number Vehicles	1,124	1,094	1,100	1,121	1,079	1,059	1,080	1,070	1,079	1,047	1,029	1,032	1,074	1,051	1,056	1,012
Electric Vehicles	0	0	0	0	3	15	15	15	15	8	6	5	3	0	0	1
Hybrid Vehicles	5	5	5	14	14	27	56	56	53	53	54	37	29	30	28	17
E85 Fueled Vehicles	471	483	491	501	545	524	526	562	612	630	623	620	623	501	485	429
Unleaded Gas Cars	72	65	58	72	67	52	51	50	44	43	40	43	70	109	110	132
Unleaded Gas Trucks	472	445	446	436	352	343	334	300	268	226	224	247	265	323	346	342
Biodiesel Buses	54	58	61	61	62	62	60	49	49	37	28	25	21	25	24	27
Biodiesel Hybrid Buses	0	0	0	0	0	0	4	7	7	20	25	25	30	29	29	29
Unleaded Hybrid Buses	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Biodiesel Trucks	48	36	37	35	34	34	32	29	29	28	27	28	31	32	32	33

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Air Emissions	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Net Greenhouse Gas Emissions (MTCO2E)	619,869	599,533	615,416	591,698	669,100	713,866	680,389	702,856	676,828	677,307	636,075	636,918	624,399	640,207	592,737	515,202
Gross Greenhouse Gas Emissions (MTCO2E)	619,869	599,533	615,416	591,698	671,605	721,839	684,398	709,982	683,847	682,965	641,931	643,932	630,405	645,485	592,737	523,227
Gross Greenhouse Gas Emissions (MTCO2E/person)	8.25	7.87	7.88	7.47	8.34	8.85	8.24	8.32	7.95	7.86	7.30	7.11	6.73	6.74	6.02	5.37
UM Generated Greenhouse Gas Emissions (MTCO2E)	290,164	261,207	257,714	271,031	281,730	282,727	311,906	294,601	324,981	328,144	282,030	287,463	285,681	278,190	273,447	276,488
UM Generated Greenhouse Gas Emissions (MTCO2E/person)	3.86	3.43	3.30	3.42	3.50	3.47	3.75	3.45	3.78	3.77	3.21	3.17	3.05	2.90	2.78	2.84
Stationary Sources: Greenhouse Gas Emissions (MTCO2E)	282,702	253,728	250,032	263,181	274,474	274,780	304,049	286,861	317,015	320,567	274,702	279,944	278,260	270,815	267,101	271,600
Stationary Sources: CO2 (MTCO2)	281,935	253,040	249,352	262,467	273,725	274,035	303,209	286,083	316,153	319,698	273,957	279,185	277,506	270,080	266,377	270,864
Stationary Sources: CO2 (MTCO2/person)	3.75	3.32	3.19	3.32	3.40	3.36	3.65	3.35	3.68	3.68	3.11	3.08	2.96	2.82	2.70	2.78
Stationary Sources: CH4 (kg)	28,144	25,261	24,925	26,203	27,390	27,355	30,522	28,557	31,595	31,912	27,346	27,867	27,700	26,964	26,582	27,029
Stationary Sources: CH4 (kg/person)	0.37	0.33	0.32	0.33	0.34	0.34	0.37	0.33	0.37	0.37	0.31	0.31	0.30	0.28	0.27	0.28
Stationary Sources: N2O (kg)	566	508	505	527	558	550	643	575	640	642	550	560	557	543	534	543
Stationary Sources: N2O (kg/person)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Stationary Sources: CO (lbs)	434,871	390,267	383,964	404,790	420,957	422,692	462,850	441,281	486,987	493,148	422,591	430,677	428,075	416,538	411,075	418,019
Stationary Sources: CO (lbs/person)	5.79	5.12	4.92	5.11	5.23	5.18	5.57	5.17	5.66	5.67	4.80	4.75	4.57	4.35	4.17	4.29
Stationary Sources: NOx (lbs)	684,042	613,881	604,429	636,725	663,114	664,884	731,700	694,125	766,538	775,710	664,726	677,445	673,352	655,365	646,611	657,533
Stationary Sources: NOx (lbs/person)	9.10	8.06	7.74	8.04	8.23	8.16	8.81	8.14	8.91	8.92	7.56	7.48	7.19	6.84	6.56	6.75
Stationary Sources: Volatile Organic Compounds (lbs)	28,474	25,553	25,133	26,504	27,547	27,676	30,247	28,893	31,878	32,289	27,670	28,199	28,029	27,271	26,916	27,370
Stationary Sources: Volatile Organic Compounds (lbs/person)	0.38	0.34	0.32	0.33	0.34	0.34	0.36	0.34	0.37	0.37	0.31	0.31	0.30	0.28	0.27	0.28
Stationary Sources: PM-10 (lbs)	29,509	26,482	26,093	27,468	28,644	28,683	31,710	29,944	33,089	33,464	28,676	29,225	29,048	28,278	27,894	28,366
Stationary Sources: PM-10 (lbs/person)	0.39	0.35	0.33	0.35	0.36	0.35	0.38	0.35	0.38	0.38	0.33	0.32	0.31	0.30	0.28	0.29
Stationary Sources: PM-2.5 (lbs)	29,509	26,482	26,049	27,468	28,554	28,683	31,367	29,944	33,040	33,464	28,676	29,225	29,048	28,263	27,894	28,366
Stationary Sources: PM-2.5 (lbs/person)	0.39	0.35	0.33	0.35	0.35	0.35	0.38	0.35	0.38	0.38	0.33	0.32	0.31	0.29	0.28	0.29
Stationary Sources: SO2 (lbs)	3,106	2,788	3,159	2,891	3,868	3,019	6,583	3,152	3,945	3,522	3,019	3,076	3,058	3,120	2,936	2,986
Stationary Sources: SO2 (lbs/person)	0.04	0.04	0.04	0.04	0.05	0.04	0.08	0.04	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Stationary Sources: Pb (lbs)	2.59	2.32	2.37	2.41	2.68	2.52	3.43	2.63	2.99	2.94	2.52	2.56	2.55	2.51	2.45	2.49
Stationary Sources: Pb (lbs/person)	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00004	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00002	0.00003
Mobile Sources: Renewable GHG Emissions (MTCO2E)	1,390	1,351	1,368	1,378	1,124	1,361	1,293	1,214	764	781	727	715	635	588	469	475
Mobile Sources: Renewable CO2 (MTCO2)	1,355	1,316	1,334	1,344	1,095	1,327	1,262	1,186	744	764	711	701	623	577	462	469
Mobile Sources: Renewable CH4 (kg)	276	269	266	266	227	259	232	211	148	127	121	108	92	78	55	36
Mobile Sources: Renewable N2O (kg)	97	94	94	94	79	91	83	75	52	46	43	39	34	29	21	15
Mobile Sources: Fossil GHG Emissions (MTCO2E)	6,071	6,128	6,313	6,472	6,132	6,587	6,564	6,526	7,203	6,796	6,601	6,804	6,786	6,787	5,877	4,413
Mobile Sources: Fossil CO2 (MTCO2)	5,968	6,021	6,204	6,359	6,026	6,472	6,451	6,413	7,080	6,679	6,488	6,687	6,671	6,673	5,779	4,353
Mobile Sources: Fossil CH4 (kg)	771	796	813	836	788	856	841	843	912	871	837	869	850	840	725	427
Mobile Sources: Fossil N2O (kg)	283	291	298	306	289	313	308	309	335	319	307	319	313	310	268	166
Purchased Electricity GHG Emission (MTCO2E)	329,705	338,326	357,703	320,667	389,875	439,112	372,492	415,381	358,866	354,821	359,902	356,468	344,724	367,295	319,290	246,738
Purchased Electricity CO2 Emission (MTCO2)	327,983	336,586	355,872	318,930	387,860	436,813	370,509	413,282	356,928	352,879	357,899	354,380	342,716	365,184	317,335	244,880
Purchased Electricity CH4 (kg)	3,122	3,155	3,319	3,150	3,653	4,167	3,596	3,807	3,513	3,521	3,631	3,787	3,640	3,828	3,545	3,370
Purchased Electricity N2O (kg)	5,344	5,400	5,680	5,391	6,253	7,132	6,154	6,515	6,013	6,025	6,215	6,481	6,230	6,551	6,067	5,767
REC Purchases (MWH)	0	0	0	0	3,255	10,494	5,367	9,058	9,531	7,786	8,195	10,334	8,795	7,628	0	15,199
REC Purchases (MTCO2e)	0	0	0	0	2,504	7,973	4,009	7,126	7,020	5,658	5,856	7,014	6,005	5,278	0	8,024

Water Use	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Total Water Use (gal)	1,348,911,444	1,283,496,878	1,294,872,532	1,244,617,847	1,206,818,521	1,280,954,419	1,310,561,016	1,332,744,060	1,218,723,316	1,160,683,892	1,232,532,318	1,331,910,633	1,216,188,610	1,210,297,948	1,105,778,795	955,522,490
Total Water Use (gal/person)	17,954	16,855	16,583	15,720	14,987	15,712	15,776	15,627	14,173	13,352	14,014	14,700	12,981	12,629	11,223	9,803
Total Purchased Water (gal)	1,315,767,904	1,251,443,195	1,260,189,260	1,206,163,778	1,176,390,072	1,244,714,636	1,267,897,894	1,285,915,972	1,184,843,968	1,136,099,097	1,184,270,641	1,283,544,917	1,162,402,068	1,177,533,487	1,065,361,305	907,812,579
Total Purchased Water (gal/person)	17,513	16,434	16,138	15,234	14,609	15,267	15,262	15,078	13,779	13,069	13,465	14,166	12,407	12,287	10,813	9,313
Total Discharge to Sewers (gal)	1,052,614,323	1,001,154,556	1,008,151,408	964,931,023	941,112,058	995,771,709	1,014,318,315	1,028,732,778	947,875,174	908,879,278	947,416,513	1,026,835,933	929,921,654	942,026,790	852,289,044	726,250,063
Total Discharge to Sewers (gal/person)	14,011	13,147	12,911	12,187	11,687	12,214	12,210	12,062	11,023	10,456	10,772	11,333	9,926	9,830	8,650	7,451
Total Irrigation (gallons)	33,143,540	32,053,683	34,683,272	38,454,069	30,428,449	36,239,783	42,663,122	46,828,088	33,879,348	24,584,795	48,261,677	48,365,716	53,786,542	32,764,461	40,417,490	47,709,911

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Land Use	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Total Impervious Surface Area (acres)	427	530	534	584	584	643	648	649	658	629	645	630	675	672	651	652
Total Impervious Surface Area (% of campus area)	14	17	17	19	18	20	20	20	20	19	20	19	22	22	22	22
Total Green Space (acres)	2,644	2,541	2,537	2,486	2,660	2,601	2,596	2,595	2,607	2,636	2,618	2,633	2,336	2,325	2,346	2,345
Total Green Space (% of campus area)	86	83	83	81	82	80	80	80	80	81	80	81	78	78	78	78
Maintained Green Space (acres)	699	699	758	733	732	781	856	862	865	862	909	913	913	1,022	1,030	1,030
Maintained Green Space (% of campus area)	23	23	25	24	23	24	26	27	26	26	28	28	30	34	34	34
Unmaintained (Natural) Green Space (acres)	1,945	1,842	1,779	1,754	1,928	1,820	1,740	1,733	1,742	1,774	1,709	1,720	1,423	1,303	1,316	1,315
Unmaintained (Natural) Green Space (% of campus area)	63	60	58	57	59	56	54	53	53	54	52	53	47	43	44	44
Land Maintenance Chemicals (pounds)	45,948	42,558	39,022	37,501	37,925	35,068	42,130	33,800	20,980	29,598	30,227	26,219	28,758	22,289	21,170	Not Available
Total Land Area (acres)	3,071	3,071	3,070	3,070	3,244	3,244	3,244	3,244	3,265	3,265	3,263	3,263	3,011	2,997	2,997	2,997
Tree Population	14,180	14,180	13,958	14,006	13,613	15,060	16,408	16,654	16,549	16,168	16,197	16,052	16,437	17,508	17,104	17,091
Deck Parking (# of deck parking spots)	10,058	10,824	10,777	10,759	10,717	11,310	11,957	11,996	11,977	12,663	12,626	12,624	12,624	12,624	12,630	13,739
Total Parking (# of parking spots)	23,591	23,808	23,905	23,773	24,612	26,936	27,228	27,563	27,320	28,013	28,180	28,801	28,717	29,069	29,231	30,369
Deck Parking (% of parking spaces that are parking decks)	43	45	45	45	44	42	44	44	44	45	45	44	44	43	43	45
Total Building Area (ft2)	28,619,505	30,674,494	31,170,301	31,402,904	33,998,091	34,418,892	35,499,892	35,506,582	35,472,141	36,569,894	36,790,966	36,946,938	37,480,794	37,854,937	38,082,716	38,371,759
Total Building Area (ft2/person)	381	403	399	397	422	422	427	416	413	421	418	408	400	395	387	394
Total Number of Buildings	393	389	380	377	384	387	387	387	398	376	382	382	371	379	388	382

Waste	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Total Waste (tons)	17,867	18,542	19,182	19,284	17,682	17,181	17,867	17,534	16,962	18,404	19,777	19,311	19,922	20,166	16,622	15,305
Total Landfill (tons)	13,170	13,920	14,053	13,626	12,647	12,335	13,061	11,892	12,060	12,940	14,079	12,780	12,396	12,801	10,973	8,891
Total Diverted from Landfill (tons)	4,697	4,622	5,129	5,657	5,035	4,847	4,806	5,642	4,902	5,464	5,698	6,531	7,526	7,365	5,649	6,414
% Diverted from Landfill	26	25	27	29	28	28	27	32	29	30	29	34	38	37	34	42
Campus Waste (tons)	10,368	10,497	10,435	10,574	10,086	10,389	10,378	10,892	10,436	11,195	11,114	12,165	13,081	13,283	10,349	8,784
Campus Landfill (tons)	7,285	7,516	7,343	7,196	6,924	7,101	7,158	7,097	6,797	7,137	6,967	7,278	7,441	7,405	5,859	3,958
Campus Diverted from Landfill (tons)	3,083	2,981	3,091	3,378	3,162	3,288	3,220	3,794	3,639	4,058	4,147	4,887	5,639	5,878	4,490	4,826
Campus Recycling (tons)	2,830	2,722	2,850	2,729	2,818	2,885	2,969	2,990	2,895	2,892	2,981	3,579	4,051	4,093	3,182	2,646
Campus Compost (tons)	49	34	41	68	63	109	143	318	351	460	622	779	1,025	1,144	1,135	1,129
Campus Mulch (tons)	204	226	200	581	281	295	108	486	393	706	544	530	564	642	173	1,051
Regulated Recycling- Batteries (tons)	24	18	20	17	18	18	18	28	24	33	25	33	31	30	32	27
Regulated Recycling- Lamp Ballasts (tons)	23	24	22	19	16	20	20	17	13	15	20	15	16	23	12	9
Regulated Recycling- Consumer Electronics (tons)	70	53	74	149	143	139	155	123	137	150	169	149	167	183	214	101
Regulated Recycling- Fluorescent Bulbs (tons)	46	46	39	58	53	139	59	41	48	62	59	57	78	70	41	47
Regulated Recycling- Transportation Oil (gallons)	0	5,536	4,816	8,354	10,327	8,226	9,097	6,779	8,142	6,204	5,680	7,471	7,149	9,475	7,278	5,937
Regulated Recycling- Latex Paint (gallons)	312	153	739	925	1,735	881	972	1,673	978	777	1,157	1,319	1,483	1,713	1,973	824
Regulated Recycling- Coolants (gallons)	500	3,146	1,116	921	1,252	921	1,176	1,465	921	475	3,130	1,985	4,870	770	840	2,222
Regulated Recycling- Oil Filters (pounds)	0	0	0	0	0	6,682	7,799	9,200	6,325	8,430	6,750	6,520	6,273	4,811	6,151	2,935
UMHS Waste (tons)	7,499	8,045	8,747	8,709	7,596	6,792	7,489	6,642	6,526	7,208	8,663	7,146	6,841	6,882	6,273	6,521
UMHS Landfill (tons)	5,885	6,405	6,710	6,430	5,723	5,234	5,903	4,794	5,263	5,803	7,112	5,502	4,955	5,396	5,114	4,933
UMHS Diverted from Landfill (tons)	1,614	1,641	2,037	2,279	1,873	1,559	1,586	1,847	1,263	1,406	1,551	1,644	1,886	1,487	1,159	1,588
UMHS Paper Recycled (tons)	963	912	967	797	741	767	693	624	630	719	601	689	991	616	593	532
UMHS Cardboard Recycled (tons)	507	535	485	476	437	431	523	446	442	435	461	455	483	503	272	828
UMHS Recycled Wood (tons)	0	0	64	63	63	63	63	63	63	66	63	63	63	20	14	32
UMHS Scrap Metal Recycled (tons)	74	111	448	787	485	158	191	570	23	21	232	324	249	248	209	176
UMHS Plastic Recycled (tons)	35	51	55	76	64	54	47	65	18	52	62	15	15	8	5	5
UMHS Yellow Kitchen Grease Recycled (tons)	36	32	20	12	9	6	6	8	1	0	0	0	0	0	1	2
UMHS Linens (tons)	0	0	0	47	45	42	41	47	61	52	69	50	53	57	49	0
UMHS Medical Equipment (tons)	0	0	0	21	23	26	21	20	19	51	54	39	27	28	12	8
UMHS Toner Cartridges(tons)	0	0	0	1	6	11	1	4	5	8	8	10	6	8	4	5
Reuse-PD (\$)	1,251,000	1,872,000	2,390,576	1,415,442	1,953,804	1,761,374	2,316,776	2,454,259	3,061,205	3,180,000	2,353,056	3,689,583	3,061,860	5,354,740	3,184,777	4,147,760
Salt Use (tons)	1,638	1,886	3,080	1,927	1,551	3,290	1,579	2,140	3,934	2,227	1,800	2,052	3,162	3,368	2,100	2,550
Salt Use (pounds/person)	44	50	79	49	39	81	38	50	92	51	41	45	68	70	43	52

University of Michigan Ann Arbor Campus Annual Environmental Metrics - FY21

Procurement	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Total Paper Purchases (Reams)	Not Available	Not Available	621,360	607,385	593,963	589,356	587,255	546,208	514,752	472,298	544,002	377,106	421,799	397,158	302,382	106,428
Paper Purchase-30% Post Consumer Recycled (Reams)	Not Available	Not Available	129,346	79,331	140,207	155,628	174,593	174,821	139,151	129,065	185,278	57,972	100,681	92,269	62,145	8,009
Paper Purchase-50% Post Consumer Recycled (Reams)	Not Available	Not Available	3,997	7,617	13,060	13,733	12,074	18,560	16,330	16,647	13,306	2,057	8,028	4,270	1,800	1,831
Paper Purchase-100% Post Consumer Recycled (Reams)	Not Available	Not Available	12,276	11,139	24,886	18,635	18,317	13,591	10,649	8,237	7,112	56,527	4,410	4,200	3,495	589
Paper Purchase-% Post Consumer Recycled Content	Not Available	Not Available	9	6	12	12	13	14	12	12	13	20	9	9	8	4
Bottled Water Purchases- Individual Sized	Not Available	584,368	536,755	385,187	599,406	547,207	628,116	829,967	645,114	330,859	578,428	619,857	624,887	573,910	415,800	868,972

Cross-Cutting & Emerging	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
LEED Certification (# of LEED certified buildings)	1	1	1	1	2	2	4	5	6	7	12	12	14	15	16	18
LEED Certification (% of all buildings)	0	0	0	0	1	1	1	1	2	2	3	3	4	4	4	5
Enrollment Data (sustainability related)	16,334	12,221	13,576	14,241	18,888	19,598	19,696	21,642	21,814	21,726	21,726	36,970	54,412	54,962	53,868	81,602
Courses Offered (sustainability related)	393	488	570	488	339	644	525	575	654	635	677	714	883	830	879	612
Enrollment per Course (sustainability related)	42	25	24	29	56	30	38	38	33	34	32	52	62	66	61	133

Population	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Total Ann Arbor Student Enrollment	39,993	40,025	41,042	41,028	41,674	41,924	42,716	43,426	43,710	43,625	43,651	44,718	46,002	46,716	48,090	47,907
Ann Arbor Campus Staff	22,739	23,016	23,316	23,909	24,639	24,900	24,845	25,139	25,448	25,757	26,255	27,066	27,595	28,498	29,326	29,004
UM Hospital Staff	12,398	13,110	13,728	14,237	14,214	14,704	15,514	16,721	16,829	17,546	18,045	18,821	20,091	20,621	21,112	20,565
Total Campus Population	75,130	76,151	78,086	79,174	80,527	81,528	83,075	85,286	85,987	86,928	87,951	90,605	93,688	95,835	98,528	97,476