

University of Michigan-FY2018 Annual Environmental Metrics Report

Raw Data Overview

Land Use	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019
Total Impervious Surface Area (acres)	427	530	534	584	584	643	648	649	658	629	645	630	675	672
Total Impervious Surface Area (% of campus area)	14	17	17	19	18	20	20	20	20	19	20	19	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
Total Green Space (% of campus area)	86	83	83	81	82	80	80	80	80	81	80	81	78	78
Maintained Green Space (acres)	699	699	758	733	732	781	856	862	865	862	909	913	913	1,022
Maintained Green Space (% of campus area)	23	23	25	24	23	24	26	27	26	26	28	28	30	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
Unmaintained (Natural) Green Space (% of campus area)	63	60	58	57	59	56	54	53	53	54	52	53	47	43
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	0
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
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
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
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
Deck Parking (% of parking spaces that are parking decks)	43	45	45	45	44	42	44	44	44	45	45	44	44	43
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
Total Building Area (ft2/person)	381	403	399	397	422	422	427	416	413	421	418	408	400	395
Total Number of Buildings	393	389	380	377	384	387	387	387	398	376	382	382	371	379

Waste	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019
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
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
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
% Diverted from Landfill	26	25	27	29	28	28	27	32	29	30	29	34	38	37
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
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
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
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
Campus Compost (tons)	49	34	41	68	63	109	143	318	351	460	622	779	1,025	1,144
Campus Mulch (tons)	204	226	200	581	281	295	108	486	393	706	544	530	564	642
Regulated Recycling- Batteries (tons)	24	18	20	17	18	18	18	28	24	33	25	33	31	30
Regulated Recycling- Lamp Ballasts (tons)	23	24	22	19	16	20	20	17	13	15	20	15	16	23
Regulated Recycling- Consumer Electronics (tons)	70	53	74	149	143	139	155	123	137	150	169	149	167	183
Regulated Recycling- Fluorescent Bulbs (tons)	46	46	39	58	53	139	59	41	48	62	59	57	78	70
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
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
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
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
MI Med 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
MI Med 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
MI Med 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
MI Med Paper Recycled (tons)	963	912	967	797	741	767	693	624	630	719	601	689	991	616
MI Med Cardboard Recycled (tons)	507	535	485	476	437	431	523	446	442	435	461	455	483	503
MI Med Recycled Wood (tons)	0	0	64	63	63	63	63	63	63	66	63	63	63	20
MI Med Scrap Metal Recycled (tons)	74	111	448	787	485	158	191	570	23	21	232	324	249	248
MI Med Plastic Recycled (tons)	35	51	55	76	64	54	47	65	18	52	62	15	15	8
MI Med Yellow Kitchen Grease Recycled (tons)	36	32	20	12	9	6	6	8	1	0	0	0	0	0
MI Med Linens (tons)	0	0	0	47	45	42	41	47	61	52	69	50	53	57
MI Med Medical Equipment (tons)	0	0	0	21	23	26	21	20	19	51	54	39	27	28
MI Med Toner Cartridges(tons)	0	0	0	1	6	11	1	4	5	8	8	10	6	8
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
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
Salt Use (pounds/person)	44	50	79	49	39	81	38	50	92	51	41	45	68	70

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Procurement	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019
Total Paper Purchases (Reams)	NA	NA	621,360	607,385	593,963	589,356	587,255	546,208	514,752	472,298	544,002	377,106	421,799	397,158
Paper Purchase-30% Post Consumer Recycled (Reams)	NA	NA	129,346	79,331	140,207	155,628	174,593	174,821	139,151	129,065	185,278	57,972	100,681	92,269
Paper Purchase-50% Post Consumer Recycled (Reams)	NA	NA	3,997	7,617	13,060	13,733	12,074	18,560	16,330	16,647	13,306	2,057	8,028	4,270
Paper Purchase-100% Post Consumer Recycled (Reams)	NA	0	12,276	11,139	24,886	18,635	18,317	13,591	10,649	8,237	7,112	56,527	4,410	4,200
Paper Purchase-% Post Consumer Recycled Content	NA	0	9	6	12	12	13	14	12	12	13	20	9	9
Bottled Water Purchases-Individual Sized	NA	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

Cross-Cutting & Emerging	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019
LEED Certification (# of LEED certified buildings)	1	1	1	1	2	2	4	5	6	7	12	12	14	15
LEED Certification (% of all buildings)	0	0	0	0	1	1	1	1	2	2	3	3	4	4
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
Courses Offered (sustainability related)	393	488	570	488	339	644	525	575	654	635	677	714	883	830
Enrollment per Course (sustainability related)	42	25	24	29	56	30	38	38	33	34	32	52	62	66

Population	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019
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
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
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
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