

SustainableUMD Progress Hub Metrics Summary

The following table presents a snapshot of the indicators used to create the SustainableUMD Progress Hub Dashboards. The column farthest to the right provides a quick view of how each indicator trended over the past four years (2019 - 2022). The symbols represent either progressing toward sustainability (“+”) or no significant progress or trending in the wrong direction (“-“).

	Unit	2022	+ / -	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Net Greenhouse Gas (GHG) Emissions	MTCO2e	147,115	+	146,760	122,033	135,315	153,831	167,494	237,507	235,882	245,450	262,271	258,270	268,278	233,823	257,800	291,316	300,858	319,143	329,670
Year-to-Baseline (2005) Change	%	-55%	+	-55%	-63%	-59%	-53%	-49%	-28%	-28%	-26%	-20%	-22%	-19%	-29%	-22%	-12%	-9%	-3%	0%
Year-to-Year Change	%	0%	+	20%	-10%	-12%	-8%	-29%	1%	-4%	-6%	2%	-4%	15%	-9%	-12%	-3%	-6%	-3%	0%
Total GHG Emissions	MTCO2e	179,695	-	167,721	143,993	195,450	215,133	215,743	237,931	236,348	245,837	262,739	258,585	268,589	234,061	257,800	291,316	300,858	319,143	329,670
Power Net Emissions	MTCO2e	120,773	+	122,631	104,595	103,433	123,212	121,145	140,355	143,643	157,464	172,289	170,438	177,254	145,824	171,593	191,035	188,812	194,626	198,978
CHP Fuel Consumption	MMBtu	2,040,372	+	2,152,388	1,750,635	1,704,617	2,020,689	1,930,379	2,338,775	2,289,970	2,356,827	2,350,912	2,211,613	2,191,485	2,248,679	2,297,965	2,402,422	2,459,821	2,434,940	2,331,131
Other Stationary Fuel Consumption	MMBtu	349,925	-	341,523	304,273	426,711	402,101	347,377	310,627	339,351	406,406	414,789	338,578	357,948	307,663	310,102	208,088	86,122	74,828	76,454
Campus Fleet Net Emissions	MTCO2e	4,905	-	4,608	4,024	7,497	7,931	7,744	7,717	7,499	7,630	7,854	7,062	6,938	6,926	6,678	4,324	6,955	6,530	6,364
Transportation Fuel Consumption	gallons	548,880	-	511,742	439,886	820,530	865,558	850,548	852,019	830,021	850,850	857,032	794,367	783,083	774,726	741,579	764,372	716,893	670,061	651,029
Commuting Net Emissions	MTCO2e	14,868	-	12,628	9,159	17,443	17,751	31,377	32,891	32,657	31,090	31,477	30,496	34,245	38,236	38,827	41,351	50,358	54,333	56,690
Commuters Parking at UMD	permits	13,063	+	14,547	6,292	14,873	14,954	15,136	14,481	14,585	14,024	14,939	14,828	15,014	17,906	18,403	20,144	26,381	24,751	29,420
Commuting Distance	miles	15.9557	-	15.3725	15.1503	15.218	15.0787	16.505	17.895	17.6	16.665	15.86	15.525	16.705	16.16	16.045	16.29	16.6	16.6	16.6
Air Travel Net Emissions	MTCO2e	0	+	0	0	0	0	0	51,170	46,807	44,370	45,573	45,083	44,401	37,766	33,086	34,647	33,665	33,783	32,320
Air Travel Passenger Miles	million miles	39.81	-	11.63	29.36	88.99	85.48	86.83	106.80	87.38	81.53	79.93	77.26	75.30	62.37	53.81	54.69	54.68	53.29	49.53
Carbon Offsets	MTCO2e	31,935	-	20,558	21,772	59,781	60,926	47,847	0	0	0	0	0	0	0	0	0	0	0	0
Percent Offset of Total GHG Emissions	%	18%	-	12%	15%	31%	28%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Electricity Consumption	MWh	274,187	-	244,271	254,152	280,476	295,798	275,678	281,149	276,044	272,400	267,313	268,632	267,779	259,092	252,536	261,978	266,417	257,199	122,472
CHP Generated	MWh	101,053	-	93,637	80,377	69,054	84,712	68,649	134,358	129,738	125,781	127,556	126,372	127,267	130,672	143,321	133,484	148,257	137,970	
Purchased	MWh	173,134	+	150,634	173,776	204,186	186,814	145,011	96,919	87,164	65,081	25,450	13,966	9,920	72,200	4,306	5,149	3,634		
Percent Renewable of Total	%	63%	+	62%	68%	73%	63%	53%	34%	32%	24%	10%	5%	4%	28%	2%	2%	1%	0%	
Population	FTE	47,151	+	47,301	46,594	47,285	47,527	46,781	45,251	44,029	43,600	42,764	42,729	42,570	42,089	41,812	41,435	40,393	39,388	39,331
Building Space	gsf	16,117,303	+	15,743,280	15,326,492	15,334,335	15,079,517	15,129,960	14,804,781	14,735,323	14,763,254	14,564,284	14,391,025	14,324,687	14,092,946	13,436,383	13,367,415	13,236,841	13,236,841	13,236,841
Emissions Intensity	kgCO2e/gsf	9.13	+	9.32	7.96	8.82	10.20	11.07	16.04	16.01	16.63	18.01	17.95	18.73	16.59	19.19	21.79	22.73	24.11	24.91
LEED Certified Space (Cumulative)	gsf	2,158,701	-	1,736,458	1,529,813	1,529,813	1,272,679	838,273	838,273	651,213	637,693	435,875	387,517	76,506	76,506					
Green-Rated Buildings (of Total)	%	13.39%	+	11.03%	9.98%	9.98%	8.51%	5.54%	5.66%	4.42%	4.32%	2.99%	2.69%	0.53%	0.53%					
Food-Related GHG Emissions per plate	tCO2e/plate	11.72	+	13.13	11.61	12.95	13.61	13.69												
Year-to-Baseline (2017) Change	%	-14%	+	-4%	-15%	-5%	-0.6%	0.0%												
Water Consumption	million gal	614*	-	423	486	607	572	608	527	472	510	475	479	515	514	500	522	569	529	
Stormwater Facilities	count	174	+	163	168	155	123	115	113	110	129									
Institutional Diversion Rate	%	58%	-	68%	68%	81%	79%	81%	84%	83%	89%	78%	76%	64%	63%	57%	46%	55%	46%	25%
Composted Waste	tons	1,430	+	1,247	956	1,846	1,762	1,500	1,546	1,188	1,763	1,582	1,738	1,801	1,076	888	1,108	2,049	1,694	185
Compost Rate	%	15%	+	12%	12%	7%	10%	4%	5%	5%	5%	9%	10%	14%	8%	7%	9%	16%	14%	2%
Recycled Waste	tons	5,532	-	6,879	5,501	20,148	14,131	30,604	26,734	20,151	30,272	14,026	12,990	8,229	8,939	7,431	5,578	7,156	5,709	3,100
Landfilled Waste	tons	3,937	-	3,212	2,609	4,838	3,705	7,131	5,267	4,174	3,770	3,927	4,106	4,577	5,290	5,519	6,576	5,897	6,579	9,206
Individual Recycling Rate	%	43%	-	50%	45%	47%	50%	53%	51%	47%	54%	55%	52%	48%	41%	35%	41%	41%	36%	23%
Total Paper Consumption	reams	31,997	-	26,193	23,977	82,616	78,851	84,617	95,662	92,982	110,932	109,194	119,617	132,448	127,361	148,349	220,051	254,520		
Recycled Paper	reams	29,717	-	22,536	20,245	74,596	67,071	74,076	87,762	83,220	96,077	81,307	65,864	48,668	44,368	48,122	83,805	84,314		
Recycled Content	%	93%	+	86%	84%	90%	85%	88%	92%	90%	87%	75%	55%	37%	35%	32%	38%	33%		
Total Paper Year-to-2007 Change	%	-87%	-	-90%	-91%	-68%	-69%	-67%	-62%	-63%	-56%	-57%	-53%	-48%	-50%	-42%	-14%	0%		

This table was last updated **October 16, 2023**. Contact sustainabilitydata@umd.edu with any comments, questions or concerns.

LEGEND: (*) This data is still under analysis