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 (2018 - 2021). The symbols represent either progressing toward sustainability (“+”) or no significant progress or trending in the wrong direction (“-“).

	Unit	2021	+ / -	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Net Greenhouse Gas (GHG) Emissions	**MTCO2e**	**149,033**	+	**123,459**	**136,546**	**155,417**	**168,031**	**238,559**	**236,807**	**245,497**	**262,304**	**258,305**	**268,314**	**233,881**	**257,846**	**291,384**	**300,921**	**319,191**	**329,730**
Year-to-Baseline (2005) Change	%	-55%	+	-63%	-59%	-53%	-49%	-28%	-28%	-26%	-20%	-22%	-19%	-29%	-22%	-12%	-9%	-3%	0%
Year-to-Year Change	%	21%	-	-10%	-12%	-8%	-30%	1%	-4%	-6%	2%	-4%	15%	-9%	-12%	-3%	-6%	-3%	0%
Total GHG Emissions	**MTCO2e**	**169,993**	+	**145,419**	**196,681**	**216,719**	**216,281**	**238,982**	**237,273**	**245,884**	**262,773**	**258,620**	**268,624**	**234,119**	**257,846**	**291,384**	**300,921**	**319,191**	**329,730**
Power Net Emissions	**MTCO2e**	**123,930**	-	**105,322**	**103,997**	**123,944**	**124,008**	**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	2,151,441	-	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	339,773	-	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**	**4,608**	+	**4,024**	**7,497**	**7,931**	**7,744**	**7,719**	**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	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**	**13,604**	+	**9,916**	**18,084**	**18,586**	**29,014**	**33,905**	**33,542**	**31,097**	**31,474**	**30,494**	**34,233**	**38,248**	**38,822**	**41,359**	**50,371**	**54,332**	**56,706**
Commuters Parking at UMD	permits	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	15.3725	-	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**	**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	11.42	+	29.36	88.99	85.48	85.51	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**	**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	%	12%	+	15%	30%	28%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Electricity Consumption	**MWh**	**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	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	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	%	62%	-	68%	73%	63%	53%	34%	32%	24%	10%	5%	4%	28%	2%	2%	1%	0%	
Population	**FTE**	**47,301**	+	**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**	**39,331**
Building Space	**gsf**	**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	9.47	-	8.06	8.90	10.31	11.11	16.11	16.07	16.63	18.01	17.95	18.73	16.60	19.19	21.80	22.73	24.11	24.91
LEED Certified Space (Cumulative)	gsf	1,787,852	+	1,518,866	1,518,866	1,272,679	827,326	827,326	640,266	626,746	424,928	376,570	76,506						
Green-Rated Buildings (of Total)	%	11.36%	+	9.91%	9.91%	8.44%	5.47%	5.59%	4.35%	4.25%	2.92%	2.62%	0.53%						
Food-Related GHG Emissions per plate	**tCO2e/plate**	**13.48**	+	**15.10**	**16.13**	**16.06**													
Year-to-Baseline (2017) Change	%	-34%	+	-16%	-6%	0.5%													
Water Consumption	**million gal**	**405**	+	**490**	**607**	**572**	**608**	**527**	**472**	**510**	**475**	**479**	**515**	**514**	**500**	**522**	**569**	**529**	
Stormwater Facilities	count	163	-	168	155	123	115	113	110	129									
Institutional Diversion Rate	**%**	**68%**	+	**68%**	**81%**	**79%**	**81%**	**84%**	**83%**	**89%**	**78%**	**76%**	**64%**	**63%**	**57%**	**46%**	**55%**	**46%**	**25%**
Composted Waste	tons	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	%	12%	+	12%	7%	10%	4%	5%	5%	5%	9%	10%	14%	8%	7%	9%	16%	14%	2%
Recycled Waste	tons	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	3,212	-	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	**%**	**50%**	+	**45%**	**47%**	**50%**	**53%**	**51%**	**47%**	**54%**	**55%**	**52%**	**48%**	**41%**	**35%**	**41%**	**41%**	**36%**	**23%**
Total Paper Consumption	**reams**	**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	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	%	86%	+	84%	90%	85%	88%	92%	90%	87%	75%	55%	37%	35%	32%	38%	33%		
Total Paper Year-to-2007 Change	%	-90%	+	-91%	-68%	-69%	-67%	-62%	-63%	-56%	-57%	-53%	-48%	-50%	-42%	-14%	0%		

This table was last updated **October 11, 2022**. Contact **sustainabilitydata@umd.edu** with any comments, questions or concerns.

LEGEND: (*) This data is still under analysis