

# 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 three years (2018 - 2020). The symbols represent either progressing toward sustainability (“+”) or no significant progress or trending in the wrong direction (“-“).

	Unit	2020	Trend	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
<b>Net Greenhouse Gas (GHG) Emissions</b>	<b>MTCO2e</b>	<b>124,258</b>	<b>+</b>	<b>137,754</b>	<b>156,416</b>	<b>169,305</b>	<b>239,778</b>	<b>238,331</b>	<b>245,867</b>	<b>262,623</b>	<b>258,509</b>	<b>268,483</b>	<b>234,046</b>	<b>257,915</b>	<b>291,881</b>	<b>300,635</b>	<b>318,917</b>	<b>329,994</b>
Year-to-Baseline (2005) Change	%	-62%	+	-58%	-53%	-49%	-27%	-28%	-25%	-20%	-22%	-19%	-29%	-22%	-12%	-9%	-3%	0%
Year-to-Year Change	%	-10%	-	-12%	-8%	-29%	1%	-3%	-6%	2%	-4%	15%	-9%	-12%	-3%	-6%	-3%	0%
<b>Total GHG Emissions</b>	<b>MTCO2e</b>	<b>146,205</b>	<b>+</b>	<b>197,889</b>	<b>217,718</b>	<b>217,555</b>	<b>240,201</b>	<b>238,797</b>	<b>246,254</b>	<b>263,091</b>	<b>258,824</b>	<b>268,793</b>	<b>234,284</b>	<b>257,915</b>	<b>291,881</b>	<b>300,635</b>	<b>318,917</b>	<b>329,994</b>
<b>Power Net Emissions</b>	<b>MTCO2e</b>	<b>105,930</b>	<b>-</b>	<b>105,684</b>	<b>129,292</b>	<b>124,921</b>	<b>141,190</b>	<b>144,316</b>	<b>157,454</b>	<b>172,279</b>	<b>170,431</b>	<b>177,182</b>	<b>145,751</b>	<b>171,584</b>	<b>191,026</b>	<b>188,808</b>	<b>194,623</b>	<b>198,974</b>
CHP Fuel Consumption	MMBtu	1,750,548	-	1,704,597	2,020,652	1,930,309	2,338,449	2,289,653	2,356,563	2,350,912	2,211,613	2,191,485	2,248,679	2,297,870	2,402,422	2,459,821	2,434,940	2,331,131
Other Stationary Fuel Consumption	MMBtu	183,434	+	182,274	194,161	171,531	158,510	163,320	171,810	159,333	144,743	151,597	125,323	100,777	92,368	86,122	74,828	76,454
<b>Campus Fleet Net Emissions</b>	<b>MTCO2e</b>	<b>4,043</b>	<b>+</b>	<b>7,531</b>	<b>7,966</b>	<b>7,776</b>	<b>7,752</b>	<b>7,538</b>	<b>7,668</b>	<b>7,890</b>	<b>7,083</b>	<b>6,817</b>	<b>6,803</b>	<b>6,670</b>	<b>4,367</b>	<b>6,931</b>	<b>6,510</b>	<b>6,375</b>
Transportation Fuel Consumption	gallons	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
<b>Commuting Net Emissions</b>	<b>MTCO2e</b>	<b>10,013</b>	<b>+</b>	<b>18,260</b>	<b>18,768</b>	<b>16,224</b>	<b>34,236</b>	<b>33,904</b>	<b>31,414</b>	<b>31,768</b>	<b>30,665</b>	<b>34,372</b>	<b>38,384</b>	<b>38,862</b>	<b>41,799</b>	<b>50,070</b>	<b>54,033</b>	<b>56,877</b>
Commuters Parking at UMD	permits	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	15.1503	+	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
<b>Air Travel Net Emissions</b>	<b>MTCO2e</b>	<b>0</b>	<b>+</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51,170</b>	<b>46,807</b>	<b>44,370</b>	<b>45,573</b>	<b>45,083</b>	<b>44,401</b>	<b>37,766</b>	<b>33,086</b>	<b>34,647</b>	<b>33,665</b>	<b>33,783</b>	<b>32,320</b>
Air Travel Passenger Miles	million miles	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
<b>Carbon Offsets</b>	<b>MTCO2e</b>	<b>21,772</b>	<b>+</b>	<b>59,781</b>	<b>60,926</b>	<b>47,847</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Percent Offset of Total GHG Emissions	%	15%	+	30%	28%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Electricity Consumption</b>	<b>MWh</b>	<b>254,152</b>	<b>+</b>	<b>280,476</b>	<b>295,798</b>	<b>275,678</b>	<b>281,149</b>	<b>276,044</b>	<b>272,400</b>	<b>267,313</b>	<b>268,632</b>	<b>267,779</b>	<b>259,092</b>	<b>252,536</b>	<b>261,978</b>	<b>266,417</b>	<b>257,199</b>	<b>122,472</b>
CHP Generated	MWh	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	173,776	+	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	%	68%	-	73%	63%	53%	34%	32%	24%	10%	5%	4%	28%	2%	2%	1%	0%	
<b>Population</b>	<b>FTE</b>	<b>46,594</b>	<b>-</b>	<b>47,285</b>	<b>47,527</b>	<b>46,781</b>	<b>45,251</b>	<b>44,029</b>	<b>43,600</b>	<b>42,764</b>	<b>42,729</b>	<b>42,570</b>	<b>42,089</b>	<b>41,812</b>	<b>41,435</b>	<b>40,393</b>	<b>39,388</b>	<b>39,331</b>
<b>Building Space</b>	<b>gsf</b>	<b>15,326,492</b>	<b>+</b>	<b>15,334,335</b>	<b>15,079,517</b>	<b>15,129,960</b>	<b>14,804,781</b>	<b>14,735,323</b>	<b>14,763,254</b>	<b>14,564,284</b>	<b>14,391,025</b>	<b>14,324,687</b>	<b>14,092,946</b>	<b>13,436,383</b>	<b>13,367,415</b>	<b>13,236,841</b>	<b>13,236,841</b>	<b>13,236,841</b>
Emissions Intensity	kgCO2e/gsf	8.11	+	8.98	10.37	11.19	16.20	16.17	16.65	18.03	17.96	18.74	16.61	19.20	21.84	22.71	24.09	24.93
LEED Certified Space (Cumulative)	gsf	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)	%	9.91%	-	9.91%	8.44%	5.47%	5.59%	4.35%	4.25%	2.92%	2.62%	0.53%						
<b>Sustainable Food Purchases</b>	<b>%</b>	<b>32%</b>	<b>+</b>	<b>29%</b>	<b>28%</b>	<b>27%</b>	<b>26%</b>	<b>19%</b>	<b>20%</b>	<b>15%</b>	<b>13%</b>	<b>10%</b>						
<b>Water Consumption</b>	<b>million gal</b>	<b>485.8</b>	<b>+</b>	<b>606.8</b>	<b>571.7</b>	<b>608.2</b>	<b>527.4</b>	<b>472.3</b>	<b>509.8</b>	<b>474.5</b>	<b>479.0</b>	<b>515.5</b>	<b>514.0</b>	<b>499.6</b>	<b>522.1</b>	<b>568.5</b>	<b>529.2</b>	
Stormwater Facilities	count	TBD*		155	123	115	113	110	129									
<b>Institutional Diversion Rate</b>	<b>%</b>	<b>68%</b>	<b>-</b>	<b>81%</b>	<b>79%</b>	<b>81%</b>	<b>84%</b>	<b>83%</b>	<b>89%</b>	<b>78%</b>	<b>76%</b>	<b>64%</b>	<b>63%</b>	<b>57%</b>	<b>46%</b>	<b>55%</b>	<b>46%</b>	<b>25%</b>
Composted Waste	tons	868	-	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	%	11%	+	7%	10%	4%	5%	5%	5%	9%	10%	14%	8%	7%	9%	16%	14%	2%
Recycled Waste	tons	5,601	-	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	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
<b>Individual Recycling Rate</b>	<b>%</b>	<b>46%</b>	<b>-</b>	<b>47%</b>	<b>50%</b>	<b>53%</b>	<b>51%</b>	<b>47%</b>	<b>54%</b>	<b>55%</b>	<b>52%</b>	<b>48%</b>	<b>41%</b>	<b>35%</b>	<b>41%</b>	<b>41%</b>	<b>36%</b>	<b>23%</b>
<b>Total Paper Consumption</b>	<b>reams</b>	<b>23,977</b>	<b>+</b>	<b>82,616</b>	<b>78,851</b>	<b>84,617</b>	<b>95,662</b>	<b>92,982</b>	<b>110,932</b>	<b>109,194</b>	<b>119,617</b>	<b>132,448</b>	<b>127,361</b>	<b>148,349</b>	<b>220,051</b>	<b>254,520</b>		
Recycled Paper	reams	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	%	84%	+	90%	85%	88%	92%	90%	87%	75%	55%	37%	35%	32%	38%	33%		
Total Paper Year-to-2007 Change	%	-91%	+	-68%	-69%	-67%	-62%	-63%	-56%	-57%	-53%	-48%	-50%	-42%	-14%	0%		

This table was last updated **October 25, 2021**. Contact [sustainabilitydata@umd.edu](mailto:sustainabilitydata@umd.edu) with any comments, questions or concerns.

**LEGEND:** ( \* ) This data is still under analysis