

University of Hawaii - West Oahu
 Estimated Utility Cost by Building

N1

	Main/Mech	Campus Cntr	Bldg D/Classroom	Bldg E/Laboratory	Library	Administration Allied Helath	Creative Media
Annualized Pre-COVID (N2):							
Electricity	22,403	245,226	91,978	178,144	176,611	180,974	180,974
Water/Sewer	30,980	155,174	100,571	102,191	146,852	107,204	107,204
Gas	-	55,681	-	-	-	-	-
Total	53,383	456,080	192,549	280,335	323,463	288,177	288,177
Annualized Post-COVID (N3):							
Electricity	17,681	175,676	65,840	132,993	130,464	145,441	145,441
Water/Sewer	29,522	147,878	95,842	97,386	139,948	102,164	102,164
Gas	-	31,885	-	-	-	-	-
Total	47,203	355,439	161,682	230,379	270,412	247,605	247,605

Tickmark Legend

- N1** For purposes of estimation of electricity and water/sewer costs, used the Admin/Allied Health building.
- N2** Based on an estimation of annualized cost based on an average of actual cost incurred for July 2019 - February 2020.
- N3** Based on an estimated of annualized cost based on an average of actual cost incurred for April 2020 - September 2020.

University of Hawaii - West Oahu
 Electricity Summary
 July 2019 - September 2020

	N1	N1	N1	N1	N1	N2	N2			Kualakai Pkwy (440 water tank on mauka lands)	
	Main/Mech	Campus Cntr	Bldg D/Classroom	Bldg E/Laboratory	Library	Administration Allied Helath	Creative Media	Road A (entryway)	Road B (to rail station)		Total
	202014955399	202014955373	202014955381	201010254591	201010254567	201015595600	201016880571	201010805012	202014955407	201010604779	
July 2019	\$ 37,336.75	\$ 10,912.07	\$ 775.02	\$ 8,891.31	\$ 5,099.37	\$ 8,441.20		\$ 675.32	\$ 432.12	\$ 55.67	\$ 72,618.83
August 2019	\$ 46,769.15	\$ 11,525.30	\$ 1,481.99	\$ 9,803.13	\$ 6,021.24	\$ 9,181.87		\$ 731.96	\$ 468.61	\$ 56.29	\$ 86,039.54
September 2019	\$ 46,169.80	\$ 10,211.42	\$ 2,168.31	\$ 9,569.97	\$ 6,569.01	\$ 8,515.56		\$ 685.81	\$ 420.80	\$ 53.72	\$ 84,364.40
October 2019	\$ 44,682.58	\$ 12,152.43	\$ 2,046.92	\$ 8,882.46	\$ 6,747.76	\$ 9,160.54		\$ 784.63	\$ 436.78	\$ 55.94	\$ 84,950.04
November 2019	\$ 36,558.03	\$ 11,201.70	\$ 1,983.25	\$ 7,826.11	\$ 5,582.83	\$ 8,211.85		\$ 753.75	\$ 411.98	\$ 54.86	\$ 72,584.36
December 2019	\$ 33,624.81	\$ 10,300.12	\$ 1,456.64	\$ 7,961.74	\$ 4,687.04	\$ 7,958.05		\$ 937.33	\$ 519.81	\$ 53.43	\$ 67,498.97
January 2020	\$ 34,673.94	\$ 11,136.30	\$ 1,712.25	\$ 9,655.49	\$ 5,926.16	\$ 8,466.47		\$ 1,034.39	\$ 601.95	\$ 55.20	\$ 73,262.15
February 2020	\$ 30,169.22	\$ 11,233.43	\$ 1,207.17	\$ 6,905.03	\$ 6,308.63	\$ 9,029.68		\$ 977.79	\$ 605.13	\$ 55.14	\$ 66,491.22
March 2020	\$ 29,728.19	\$ 10,017.85	\$ 1,626.26	\$ 5,155.59	\$ 5,692.36	\$ 8,786.66		\$ 905.13	\$ 591.24	\$ 53.51	\$ 62,556.79
April 2020	\$ 30,990.98	\$ 9,188.54	\$ 682.81	\$ 5,950.08	\$ 3,307.97	\$ 8,179.47		\$ 914.98	\$ 638.54	\$ 54.59	\$ 59,907.96
May 2020	\$ 29,198.97	\$ 7,697.15	\$ 682.81	\$ 6,627.91	\$ 3,779.73	\$ 7,262.36		\$ 779.88	\$ 565.35	\$ 54.84	\$ 56,649.00
June 2020	\$ 29,912.21	\$ 6,381.32	\$ 682.72	\$ 6,246.49	\$ 3,395.25	\$ 6,658.58		\$ 700.97	\$ 541.86	\$ 53.27	\$ 54,572.67
July 2020	\$ 30,791.58	\$ 6,136.48	\$ 633.47	\$ 5,906.26	\$ 3,609.65	\$ 7,107.98	\$ 312.38	\$ 753.97	\$ 589.33	\$ 53.19	\$ 55,894.29
August 2020	\$ 30,232.07	\$ 6,448.16	\$ 868.54	\$ 5,422.72	\$ 4,130.41	\$ 7,063.72	\$ 1,821.53	\$ 751.53	\$ 581.42	\$ 52.31	\$ 57,372.41
September 2020	\$ 32,355.66	\$ 7,705.32	\$ 669.86	\$ 7,181.38	\$ 5,102.71	\$ 5,856.37	\$ 6,484.60	\$ 808.62	\$ 628.97	\$ 52.91	\$ 66,846.40
Annualized pre-COVID	\$ 464,976	\$ 133,009	\$ 19,247	\$ 104,243	\$ 70,413	\$ 103,448	\$ -	\$ 9,871	\$ 5,846	\$ 660	\$ 911,714
Annualized post-COVID	\$ 366,963	\$ 87,114	\$ 8,440	\$ 74,670	\$ 46,651	\$ 84,257	\$ -	\$ 9,420	\$ 7,091	\$ 642	\$ 685,248

ESTIMATED ALLOCATION BY BUILDING FOR MAINT/MECH HVAC COST

	Main/Mech	Campus Cntr	Bldg D/Classroom	Bldg E/Laboratory	Library	Administration Allied Health	Total Main/Mech
Square Footage (N1)	12,671	63,469	41,136	41,798	60,065	43,848	262,987
July 2019	\$ 1,799	\$ 9,011	\$ 5,840	\$ 5,934	\$ 8,528	\$ 6,225	\$ 37,336.75
August 2019	\$ 2,253	\$ 11,287	\$ 7,316	\$ 7,433	\$ 10,682	\$ 7,798	\$ 46,769.15
September 2019	\$ 2,225	\$ 11,143	\$ 7,222	\$ 7,338	\$ 10,545	\$ 7,698	\$ 46,169.80
October 2019	\$ 2,153	\$ 10,784	\$ 6,989	\$ 7,102	\$ 10,205	\$ 7,450	\$ 44,682.58
November 2019	\$ 1,761	\$ 8,823	\$ 5,718	\$ 5,810	\$ 8,350	\$ 6,095	\$ 36,558.03
December 2019	\$ 1,620	\$ 8,115	\$ 5,260	\$ 5,344	\$ 7,680	\$ 5,606	\$ 33,624.81
January 2020	\$ 1,671	\$ 8,368	\$ 5,424	\$ 5,511	\$ 7,919	\$ 5,781	\$ 34,673.94
February 2020	\$ 1,454	\$ 7,281	\$ 4,719	\$ 4,795	\$ 6,891	\$ 5,030	\$ 30,169.22
March 2020	\$ 1,432	\$ 7,175	\$ 4,650	\$ 4,725	\$ 6,790	\$ 4,957	\$ 29,728.19
April 2020	\$ 1,493	\$ 7,479	\$ 4,848	\$ 4,926	\$ 7,078	\$ 5,167	\$ 30,990.98
May 2020	\$ 1,407	\$ 7,047	\$ 4,567	\$ 4,641	\$ 6,669	\$ 4,868	\$ 29,198.97
June 2020	\$ 1,441	\$ 7,219	\$ 4,679	\$ 4,754	\$ 6,832	\$ 4,987	\$ 29,912.21
July 2020	\$ 1,484	\$ 7,431	\$ 4,816	\$ 4,894	\$ 7,033	\$ 5,134	\$ 30,791.58
August 2020	\$ 1,457	\$ 7,296	\$ 4,729	\$ 4,805	\$ 6,905	\$ 5,041	\$ 30,232.07
September 2020	\$ 1,559	\$ 7,809	\$ 5,061	\$ 5,142	\$ 7,390	\$ 5,395	\$ 32,355.66
Annualized pre-COVID	\$ 22,403	\$ 112,217	\$ 72,731	\$ 73,901	\$ 106,198	\$ 77,526	
Annualized post-COVID	\$ 17,681	\$ 88,562	\$ 57,400	\$ 58,323	\$ 83,813	\$ 61,184	

Total by Building:							
Annualized pre-COVID	\$ 22,403	\$ 245,226	\$ 91,978	\$ 178,144	\$ 176,611	\$ 180,974	
Annualized post-COVID	\$ 17,681	\$ 175,676	\$ 65,840	\$ 132,993	\$ 130,464	\$ 145,441	

Tickmark Legend

- N1** Buildings have a net metering agreement (100 kwh/building) via the PV farm located on the UHWO campus.
- N2** Both the Admin Allied Health Building and the Creative Media Building have PV installed on the roof, which is estimated to provide ~100 kwh/month.

University of Hawaii - West Oahu
 Water/Sewer Breakout
 July 2019 - September 2020

ESTIMATED ALLOCATION BY BUILDING								
	Main/Mech	Campus Cntr	Bldg D/Classroom	Bldg E/Laboratory	Library	Administration Allied Helath	Creative Media	Actual Total
Square Footage (N1)	12,671	63,469	41,136	41,798	60,065	43,848	n/a	262,987
July 2019	\$ 3,316	\$ 16,611	\$ 10,766	\$ 10,939	\$ 15,720	\$ 11,476		\$ 68,829
August 2019	\$ 2,238	\$ 11,210	\$ 7,265	\$ 7,382	\$ 10,608	\$ 7,744		\$ 46,448
September 2019	\$ 3,828	\$ 19,173	\$ 12,427	\$ 12,627	\$ 18,145	\$ 13,246		\$ 79,445
October 2019	\$ 2,321	\$ 11,628	\$ 7,536	\$ 7,658	\$ 11,004	\$ 8,033		\$ 48,181
November 2019	\$ 2,429	\$ 12,166	\$ 7,885	\$ 8,012	\$ 11,514	\$ 8,405		\$ 50,412
December 2019	\$ 2,674	\$ 13,394	\$ 8,681	\$ 8,821	\$ 12,676	\$ 9,254		\$ 55,501
January 2020	\$ 1,613	\$ 8,077	\$ 5,235	\$ 5,319	\$ 7,644	\$ 5,580		\$ 33,469
February 2020	\$ 2,234	\$ 11,190	\$ 7,252	\$ 7,369	\$ 10,590	\$ 7,731		\$ 46,365
March 2020	\$ 2,229	\$ 11,168	\$ 7,238	\$ 7,354	\$ 10,569	\$ 7,715		\$ 46,273
April 2020	\$ 1,912	\$ 9,577	\$ 6,207	\$ 6,307	\$ 9,064	\$ 6,617		\$ 39,685
May 2020	\$ 2,594	\$ 12,995	\$ 8,422	\$ 8,558	\$ 12,298	\$ 8,978		\$ 53,845
June 2020	\$ 2,812	\$ 14,084	\$ 9,128	\$ 9,275	\$ 13,328	\$ 9,730		\$ 58,357
July 2020	\$ 2,301	\$ 11,525	\$ 7,470	\$ 7,590	\$ 10,907	\$ 7,962		\$ 47,754
August 2020	\$ 2,297	\$ 11,506	\$ 7,457	\$ 7,577	\$ 10,889	\$ 7,949		\$ 47,676
September 2020	\$ 2,845	\$ 14,252	\$ 9,237	\$ 9,386	\$ 13,488	\$ 9,846		\$ 59,055
Annualized pre-COVID	\$ 30,980	\$ 155,174	\$ 100,571	\$ 102,191	\$ 146,852	\$ 107,204		\$ 642,969
Annualized post-COVID	\$ 29,522	\$ 147,878	\$ 95,842	\$ 97,386	\$ 139,948	\$ 102,164		\$ 612,740

N1 Square footage provided by the Director of Planning & Facilities. Square footage unavailable for the Creative Media building.

University of Hawaii - West Oahu
 Gas
 July 2019 - September 2020

	Main/Mech	Campus Cntr	Bldg D/Classroom	Bldg E/Laboratory	Library	Administration Allied Helath	Creative Media	
July 2019		\$ 3,255.25						\$ 3,255.25
August 2019		\$ 4,034.42						\$ 4,034.42
September 2019		\$ 5,617.75						\$ 5,617.75
October 2019		\$ 3,797.18						\$ 3,797.18
November 2019		\$ 4,602.12						\$ 4,602.12
December 2019		\$ 5,466.05						\$ 5,466.05
January 2020		\$ 4,593.31						\$ 4,593.31
February 2020		\$ 5,754.44						\$ 5,754.44
March 2020		\$ 6,158.42						\$ 6,158.42
April 2020		\$ 5,587.90						\$ 5,587.90
May 2020		\$ 4,753.07						\$ 4,753.07
June 2020		\$ 1,204.45						\$ 1,204.45
July 2020		\$ 708.59						\$ 708.59
August 2020		\$ 1,280.06						\$ 1,280.06
September 2020		\$ 2,408.45						\$ 2,408.45

Annualized pre-COVID	\$	-	\$	55,681	\$	-	\$	-	\$	-	\$	-	\$	55,681
Annualized post-COVID	\$	-	\$	31,885	\$	-	\$	-	\$	-	\$	-	\$	31,885