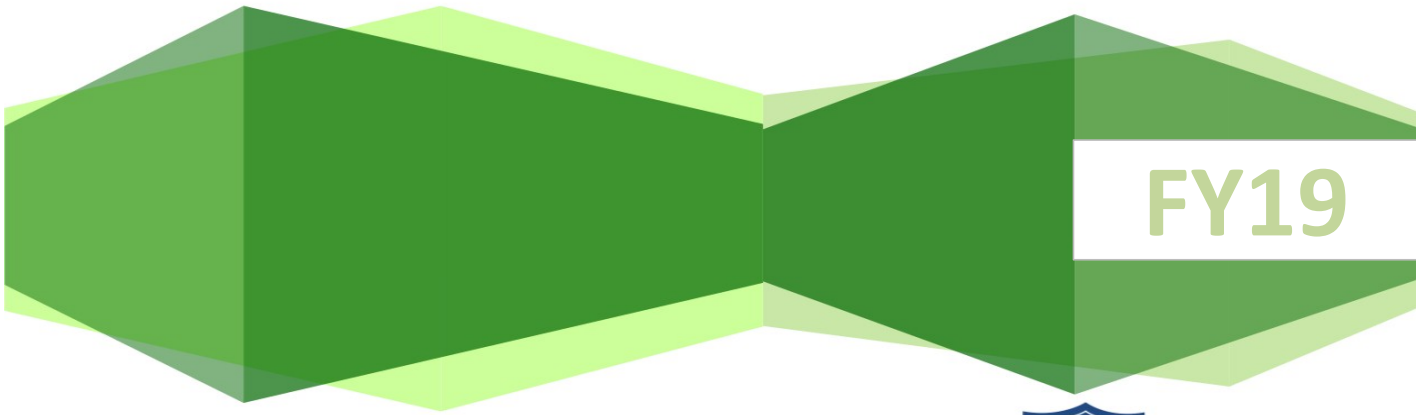
Energy Summary

The University of Toledo

Michael Green, P.E. | Director, Energy Management



THE UNIVERSITY OF TOLEDO
1872

ENERGY SUMMARY

FISCAL YEAR 2019

Main Campus | Health Science Campus | Scott Park Campus for Energy and Innovation

PREPARED BY
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Director, Energy Management

TABLE OF CONTENTS

Building Energy Usage

Building Utility Cost

Energy Utilization by Building

Main Campus

Main Campus (cont.)

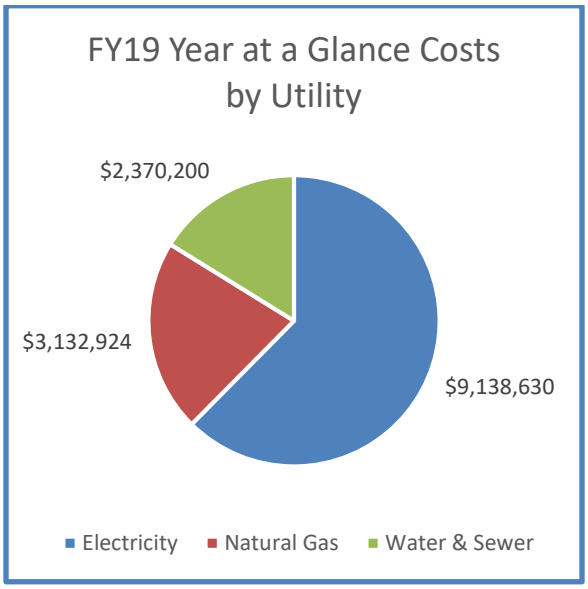
Health Science Campus

Scott Park Campus

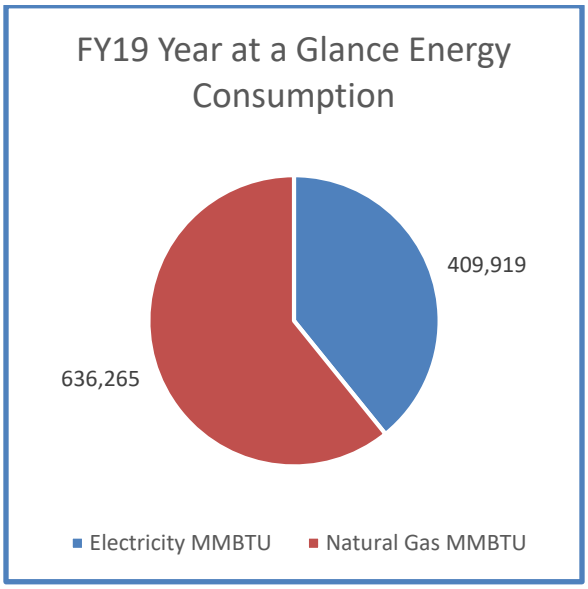
UNIVERSITY OF TOLEDO

FISCAL 2019 ENERGY SUMMARY

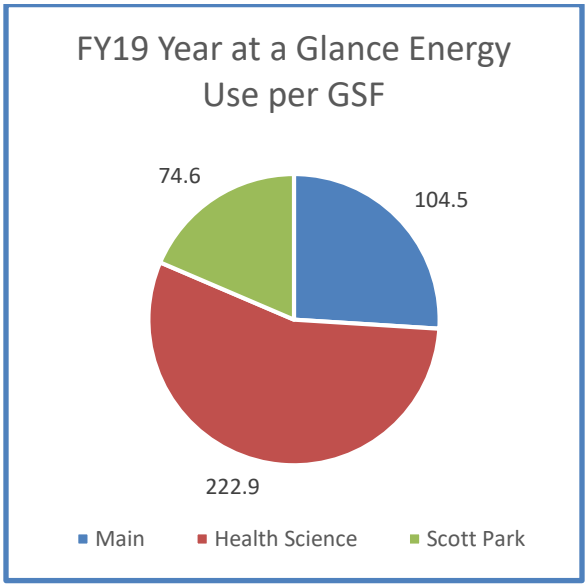
This report summarizes the energy and water consumption from July 2018 through June 2019 for the entire University. The University utilizes electricity for systems and lighting and natural gas for heating. Scott Park campus is the exception with electricity for heating. The next 4 graphs give the campus accumulative fiscal data and summary. The graphs following the summary give the historical data and are followed by the individual building data. Overall, UToledo Facilities have a low usage and cost per square footage.



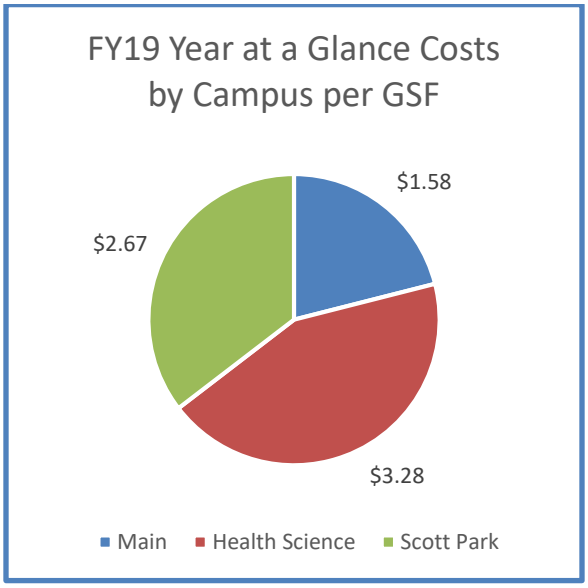
Overall University Cost: Electricity is more than half of the UToledo costs and Water will exceed Natural Gas in the next few years. The electric rates will be over $1 million dollars lower in FY20 through FY22 however the regulated rates will continue to go up yearly by approximately $125k/year. In sum, UToledo spent approximately $14.6 million dollars for energy and water in FY19.



Overall University Use: Natural Gas is more than half of the UToledo energy demonstrating how much energy it takes to heat and reheat and humidify in Northwest Ohio. While electricity appears to be more efficient for heating, it would cost $11 million dollars more to do. An important take away is that the total consumption per square foot is approximately 133 kBTUH which is 13% lower than expected by weather adjusted values.

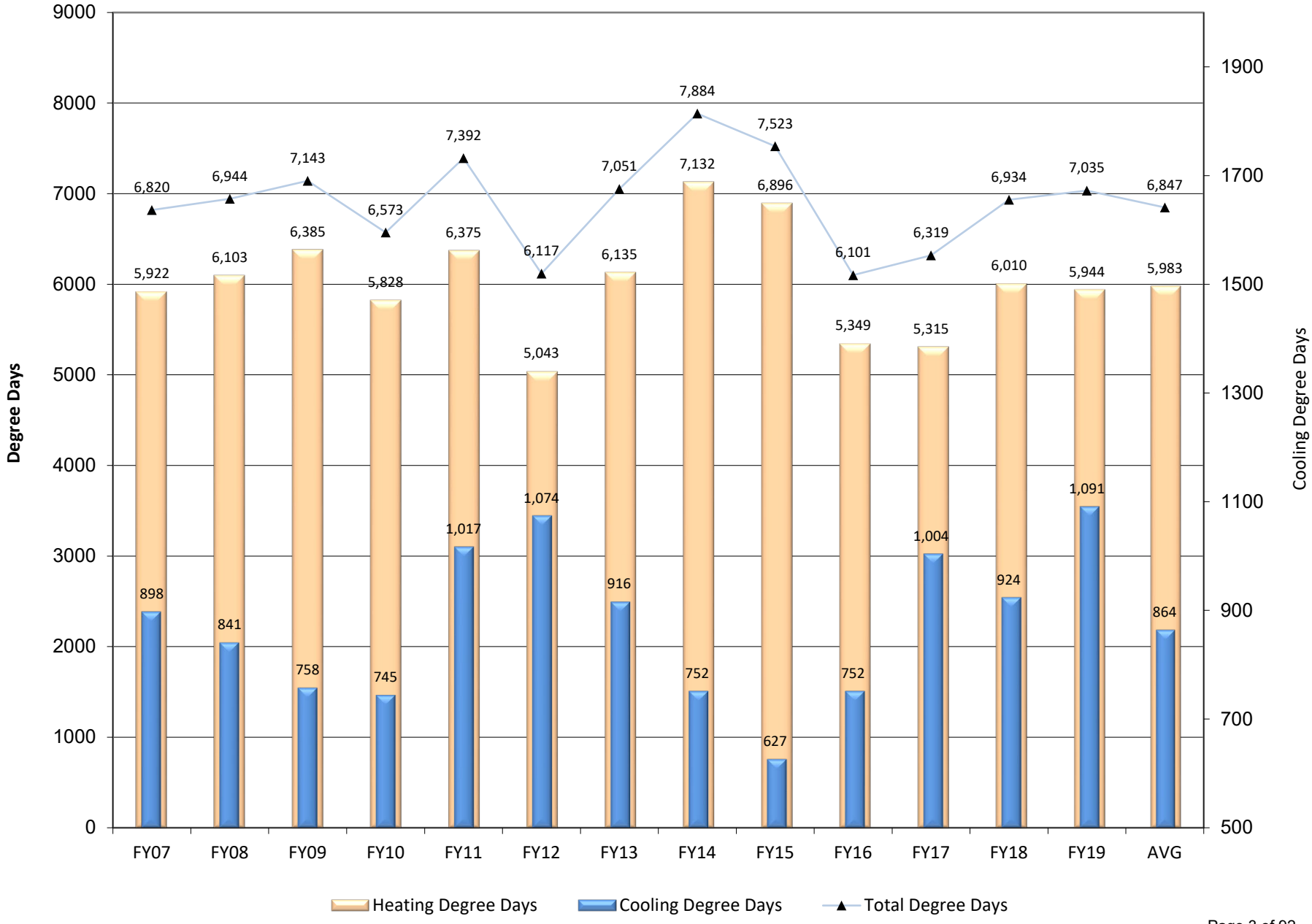


Individual Campus Use: Health Science Campus is more than half of the UToledo energy per square foot usage demonstrating how much energy hospital, clinical, and lab space use. Scott Park is all electric and uses twice its summer energy to heat in the winter thus has a low kBTUH due to the electric efficiency noted above. Main Campus is approximately 6% or more below other Ohio university peers in use. Health Science Campus is 21.5% lower use than it was in FY07.

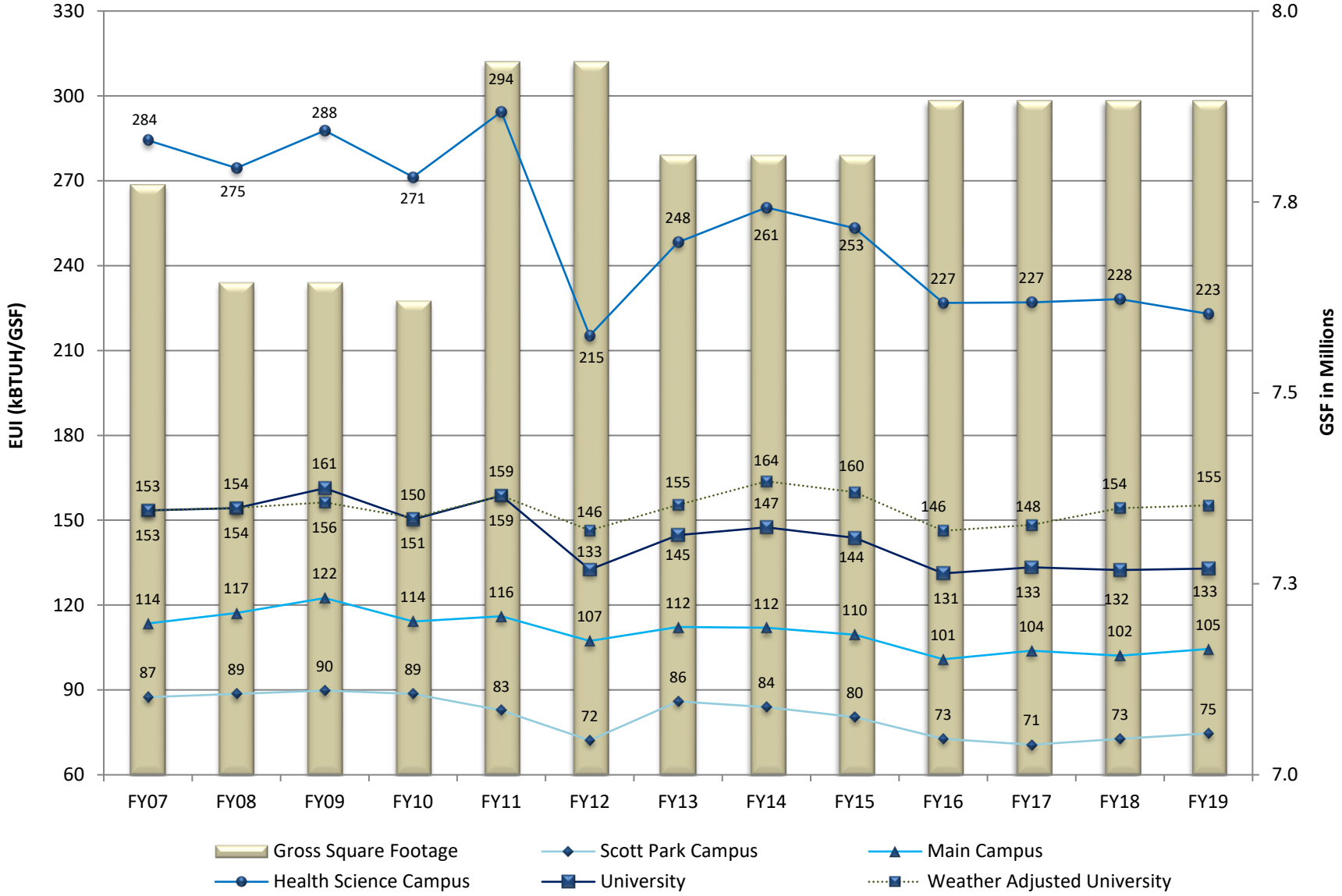


Individual Campus Cost: Health Science and Scott Park cost more per square foot due to the intensive clinical/lab use and electric heating. Scott Park is electric heat due to the 1971 natural gas curtailment. Campuses cost per square foot will be lower over the next few fiscals with the exception of water cost that are expected to increase by 10% yearly for the next 5 years. As seen in the following graphs, UToledo water usage is going lower even though the costs are escalating.

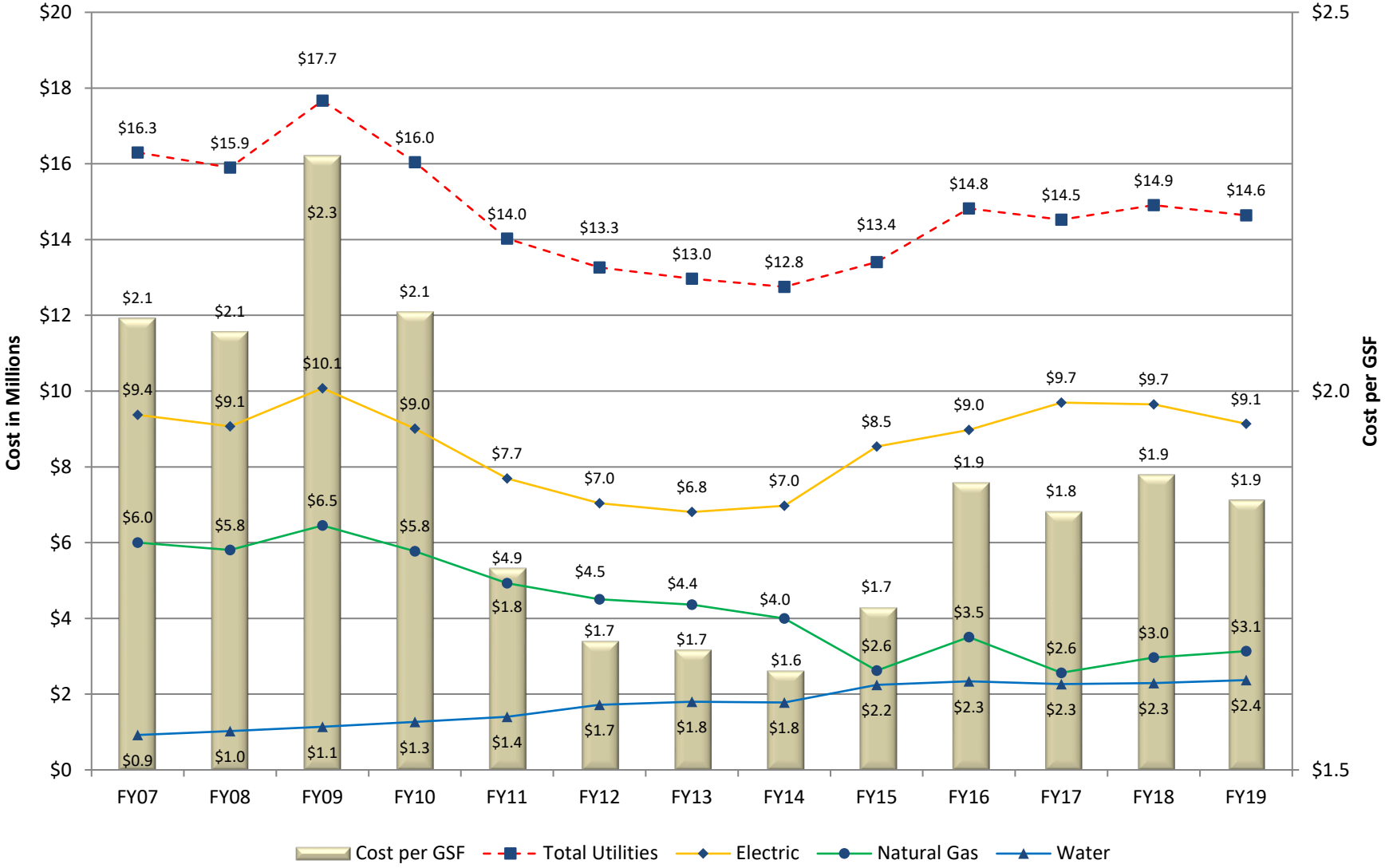
Weather Impact
Heating and Cooling Degree Days



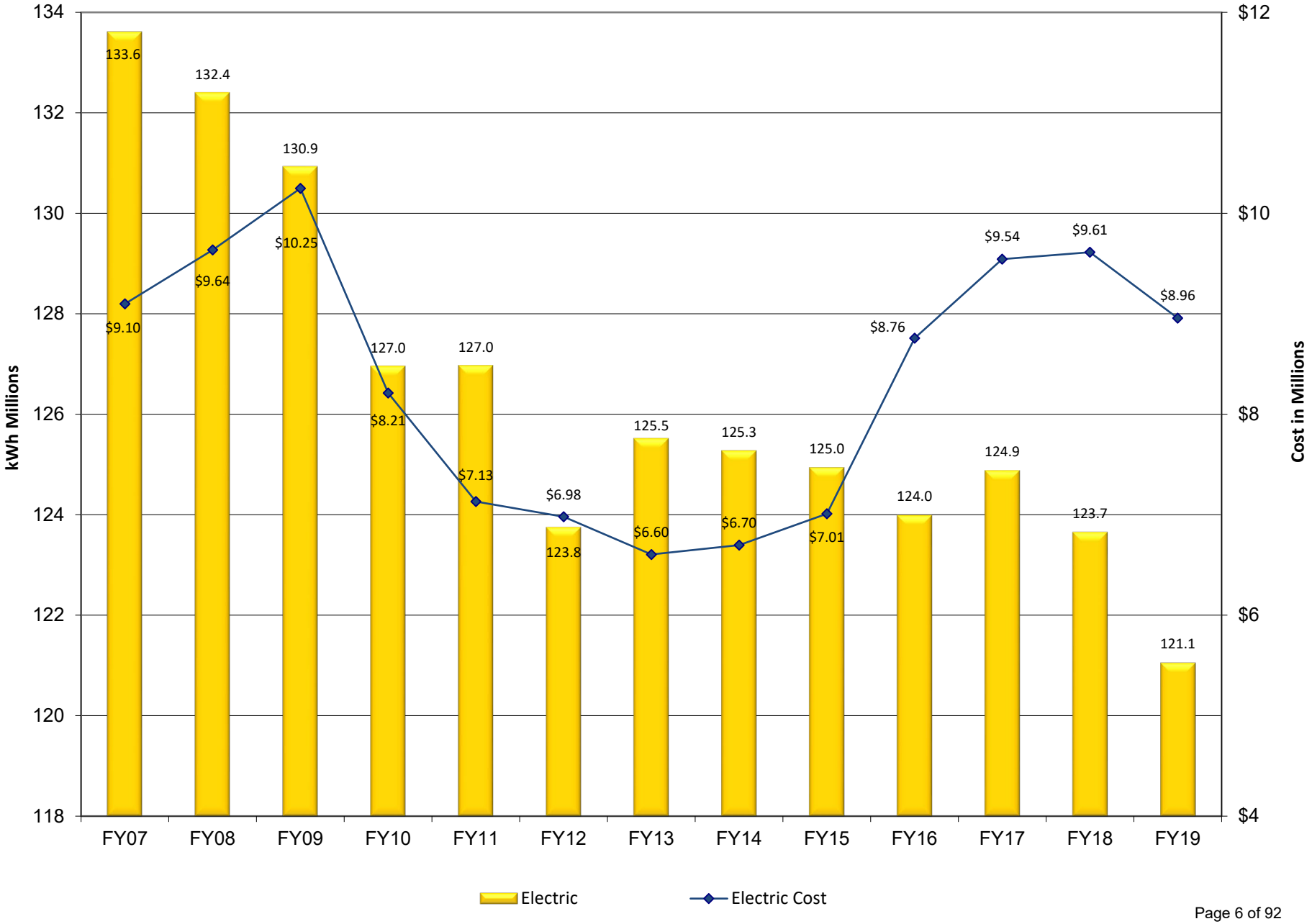
Campus Energy Utilization Index (EUI)
Energy use compared to Gross Square Footage (GSF)



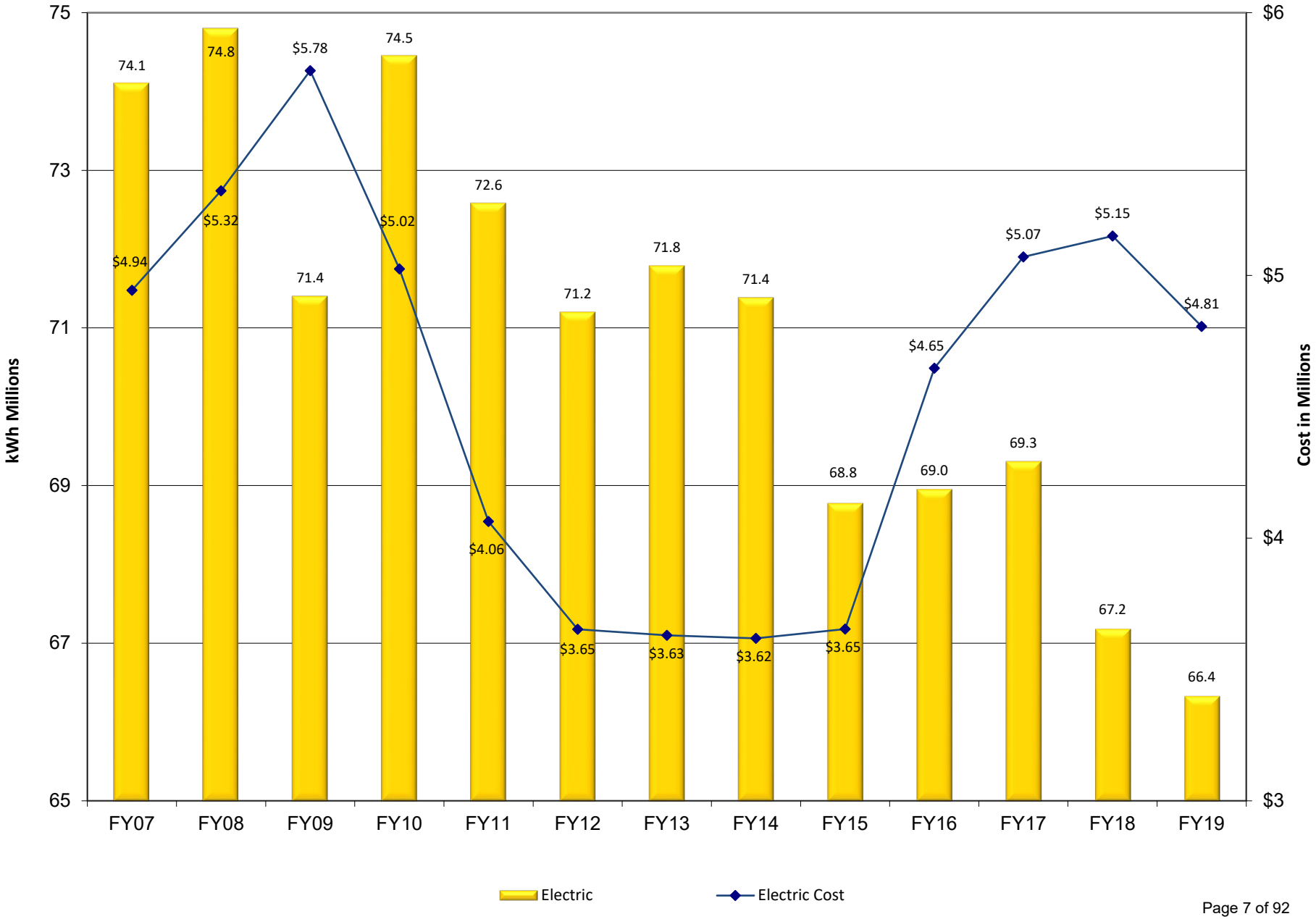
Campus Utility Cost
Cost compared to Gross Square Footage (GSF)



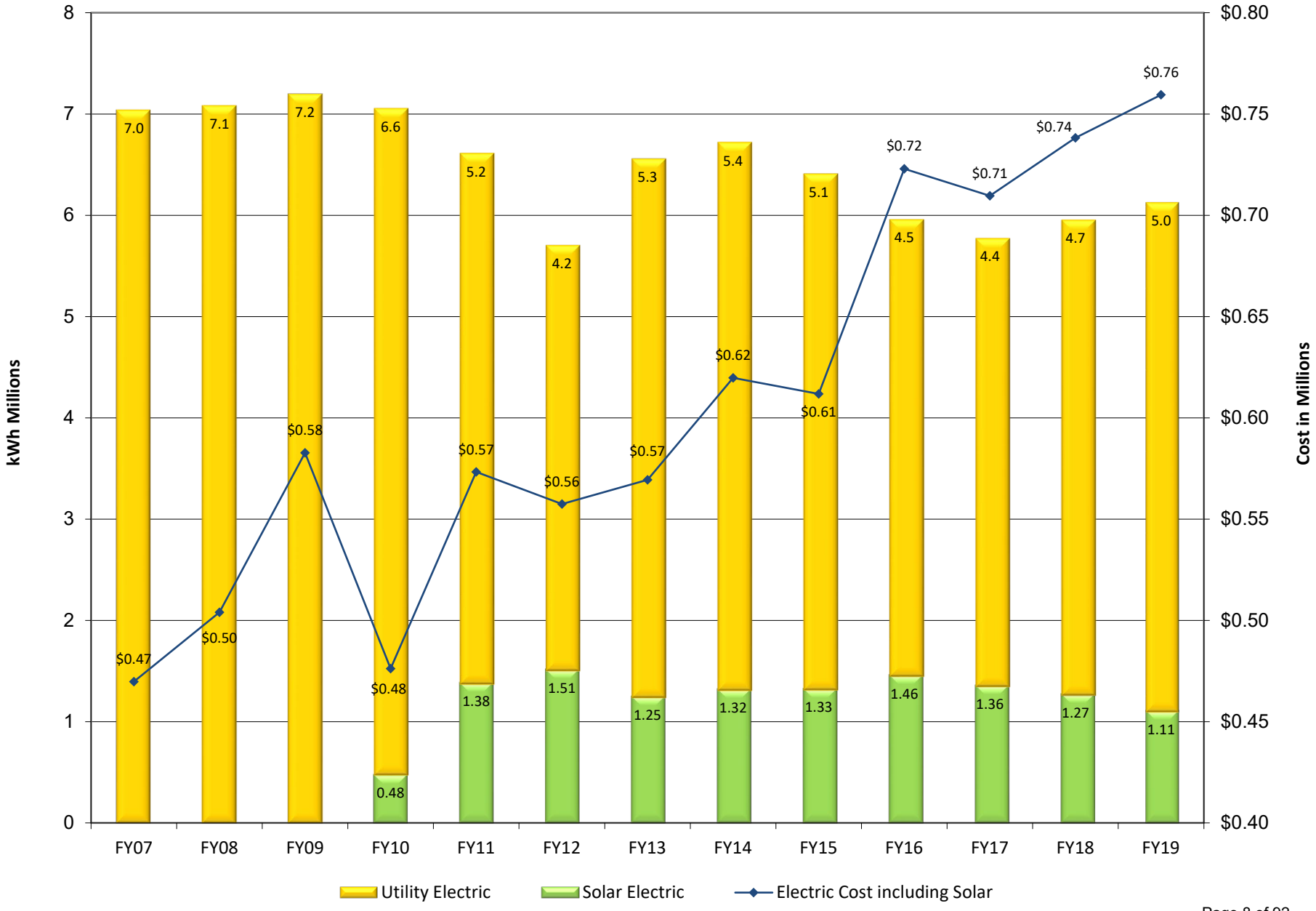
Campus Combined Substations
Electrical use compared to Cost



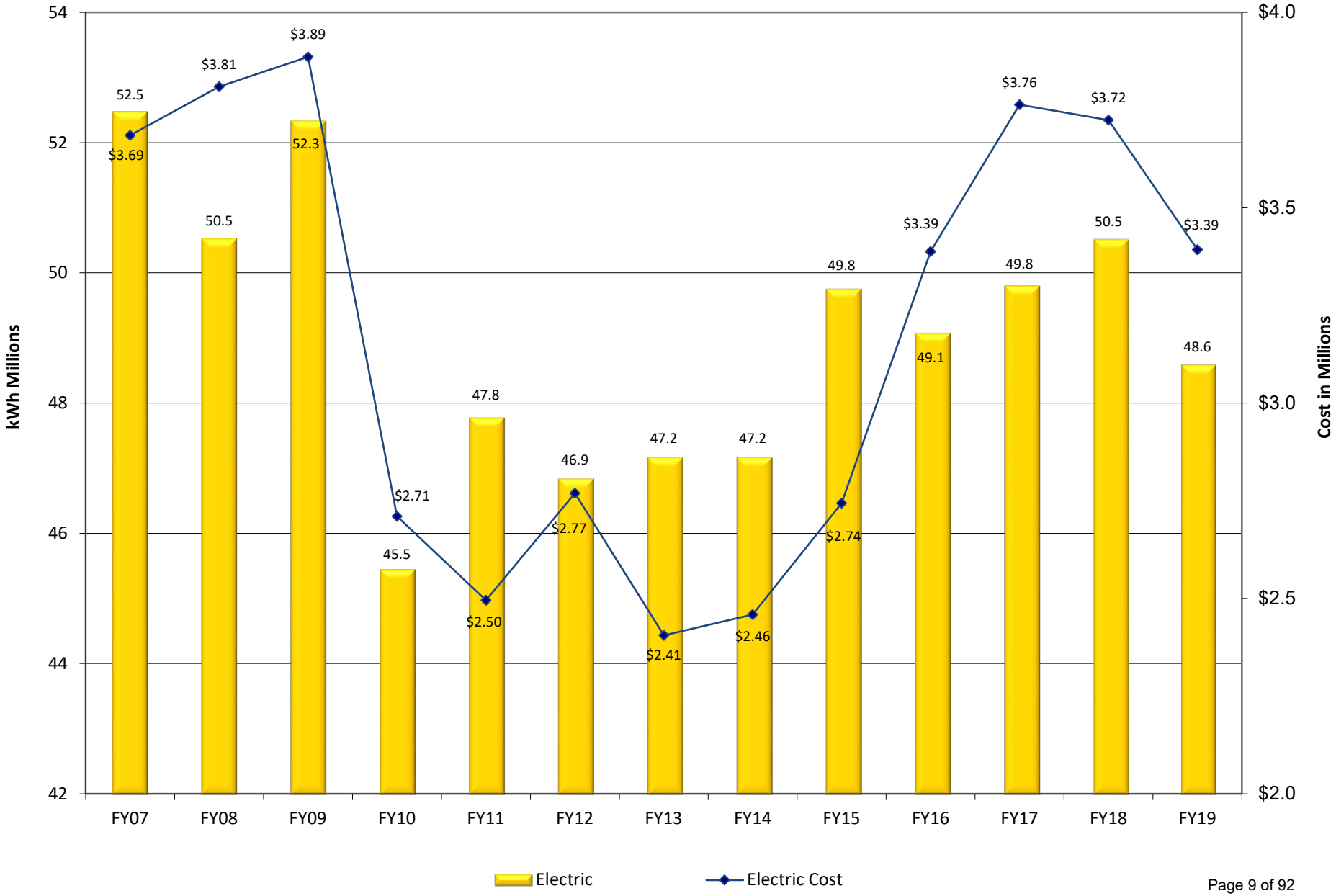
MAIN CAMPUS Substation
Electrical use compared to Cost



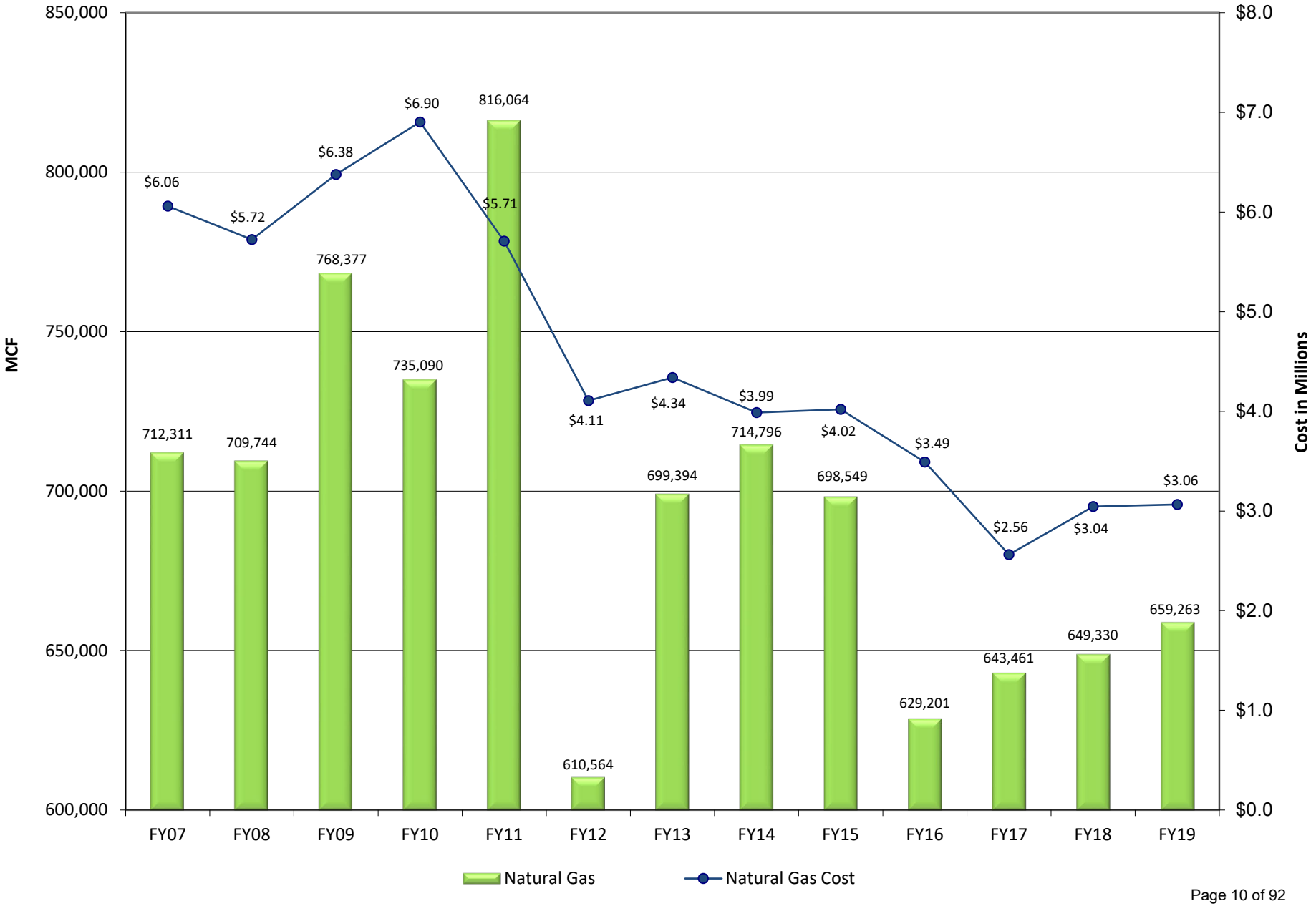
SCOTT PARK CAMPUS Substation
Electrical use compared to Cost



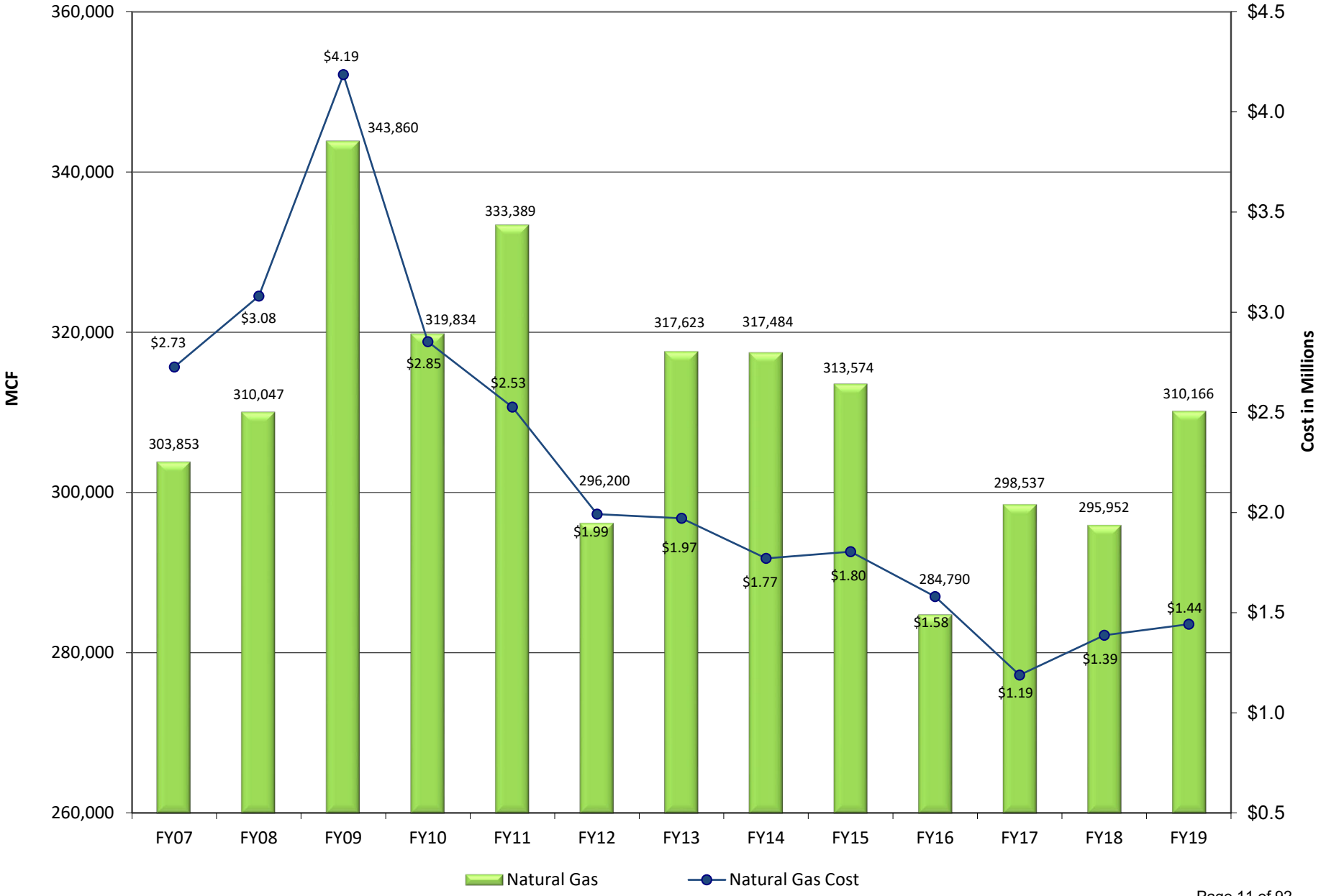
HEALTH SCIENCE CAMPUS Substation
Electrical use compared to Cost



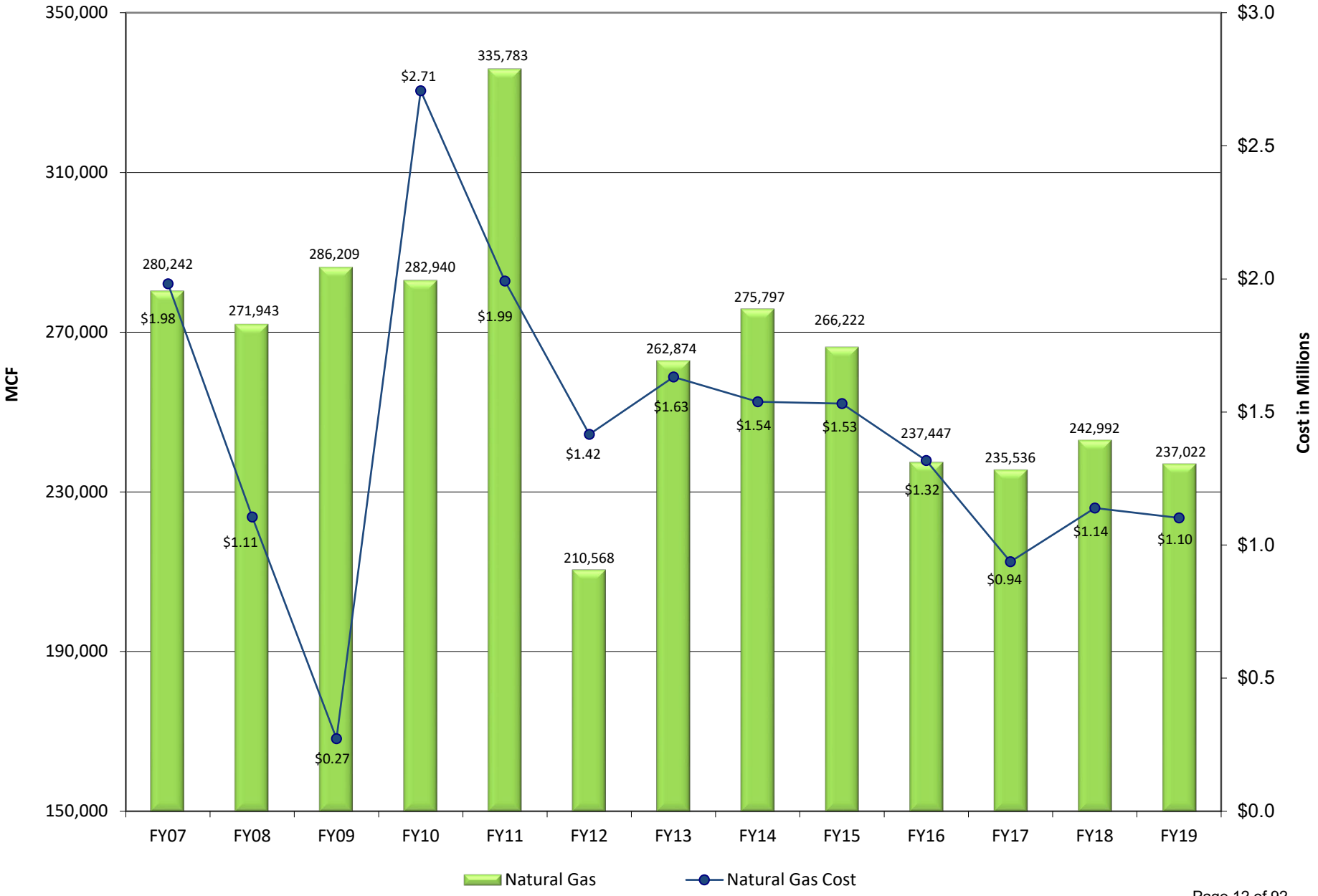
Campus Combined Natural Gas
Natural Gas use compared to Cost



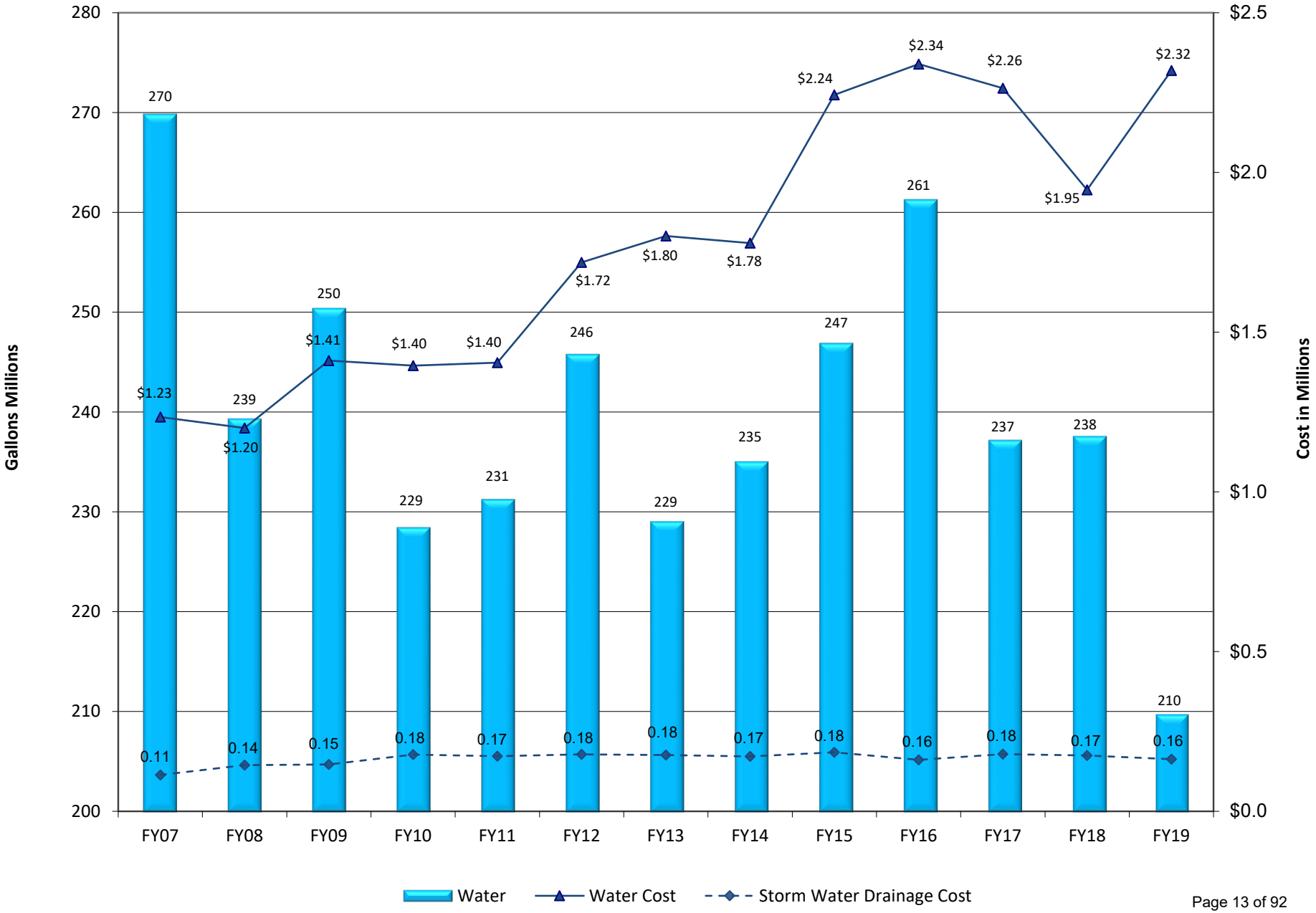
MAIN CAMPUS Natural Gas
Natural Gas use compared to Cost



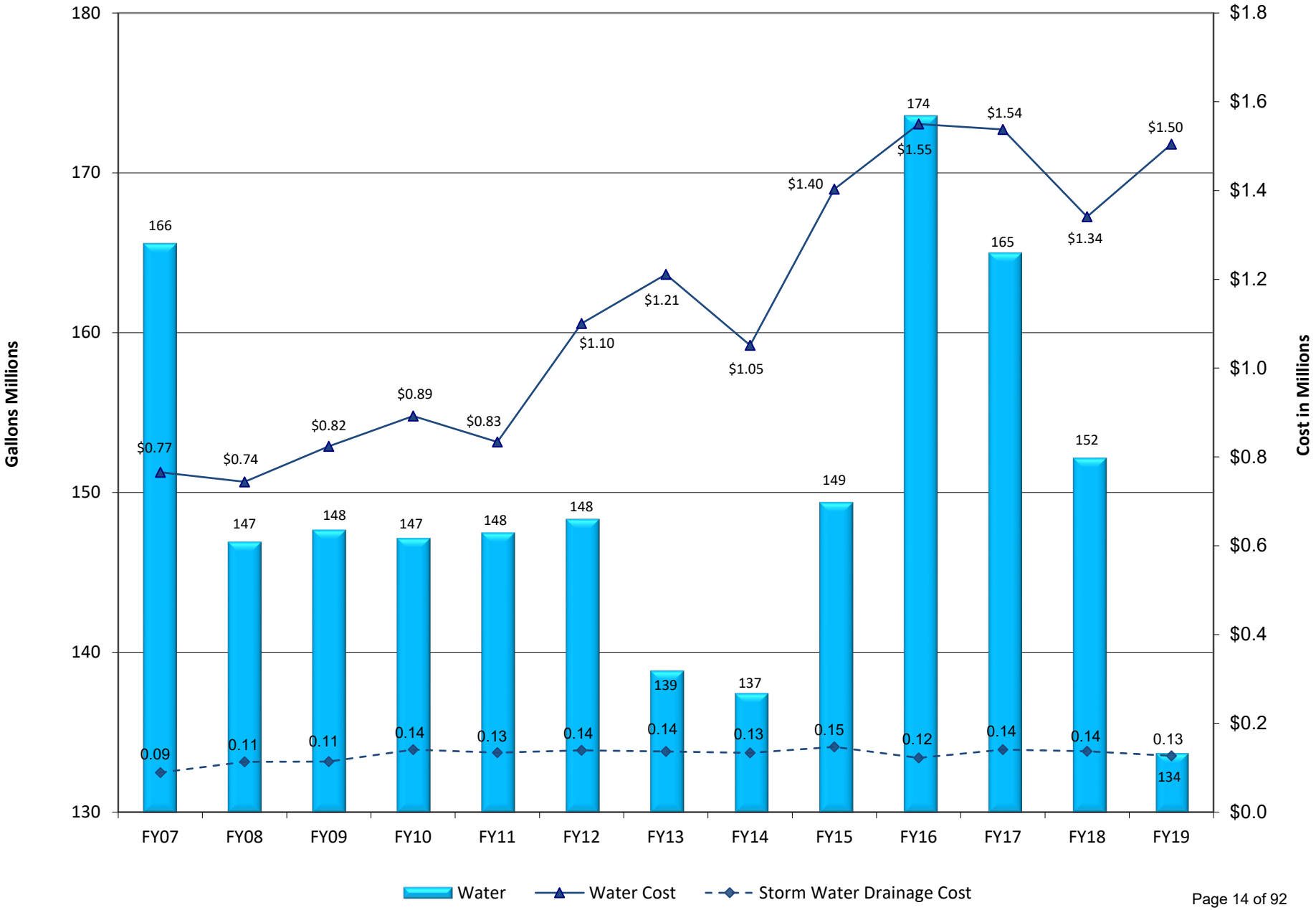
HEALTH SCIENCE CAMPUS Natural Gas
Natural Gas use compared to Cost



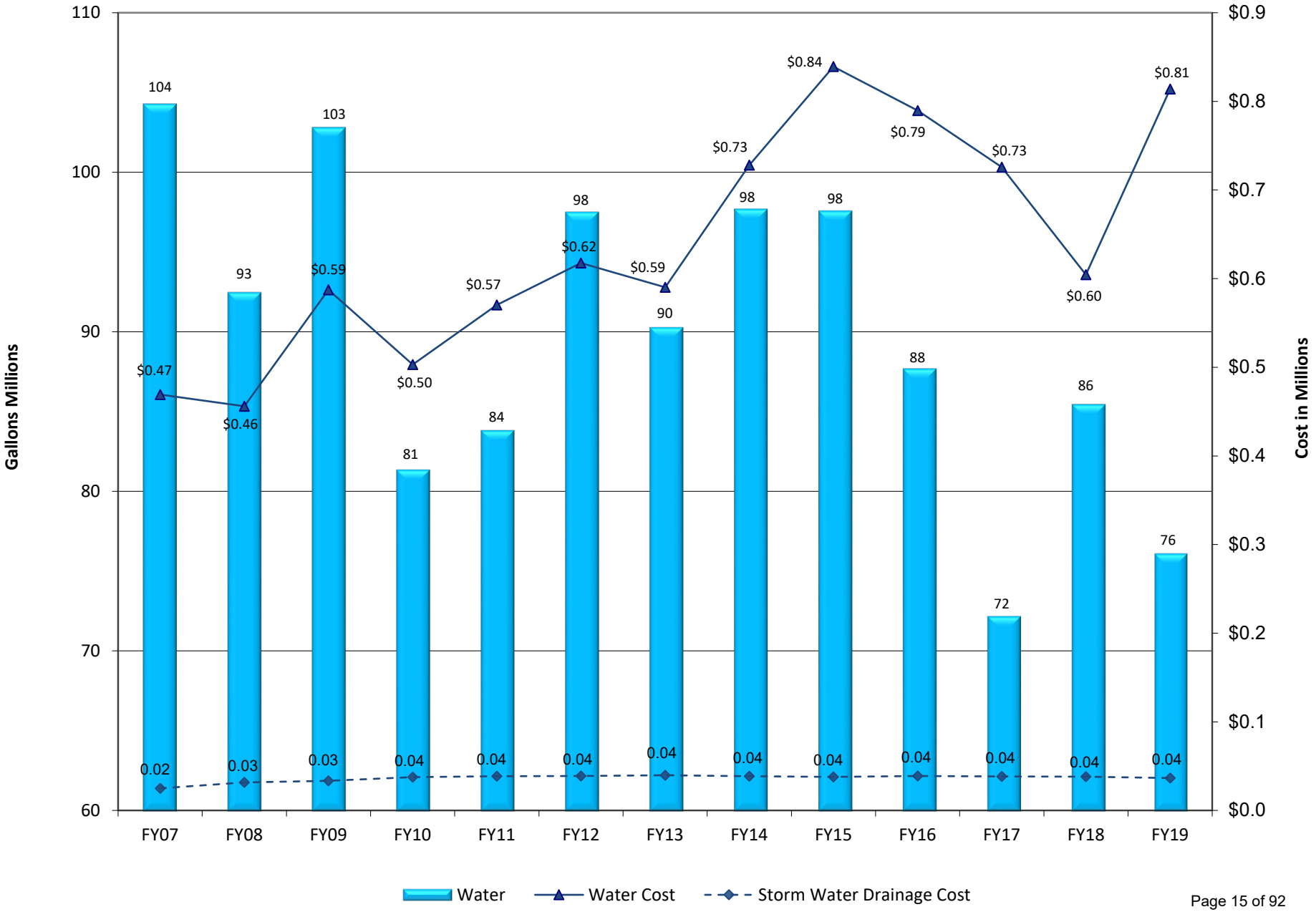
Campus Combined Water and Storm Water use compared to Cost



MAIN and SCOTT PARK CAMPUSES Water and Storm
Water use compared to Cost



HEALTH SCIENCE CAMPUS Water and Storm Water use compared to Cost



UNIVERSITY OF TOLEDO
BUILDING Energy USAGE FISCAL YEAR 2019

Main Campus	GSF	Electric kWh	Steam Mlbs	Natural Gas MCF	EUI
Academic House	80,603	293,786	4,233	187	0.6519
Bowman-Oddy Laboratories	178,727	3,493,690	9,386	343	1.1943
Carlson Library	256,547	2,582,823	13,472		0.8688
Carter Hall East and West	124,889	351,822		5,571	0.1419
Center for Administrative Support	15,941	72,410		336	0.1766
Center for Performing Arts	64,983	728,049	3,413		0.9075
Center for Visual Arts	51,899	1,482,950		4,982	1.0736
Driscoll Alumni Center	38,675	491,487	2,031		0.9589
Gillham Hall	92,347	602,669	4,850		0.7479
Glass Bowl Stadium	103,578	1,275,772		2,777	0.4479
Grounds and Fleet Services	13,009	115,046		1,097	0.3883
Health and Human Services (All)	163,006	1,393,920	8,560		0.8170
Health Education Center	79,016	638,552	4,149		0.8010
International House	138,904	1,134,244	7,294	230	0.8055
Lake Erie Center	34,054	519,363		4,287	0.6495
Larimer Athletic Complex	32,139	1,262,495	1,688	565	1.8839
Law Center	125,392	3,229,936	6,585	41	1.4046
Libbey Hall	16,767	128,038	881	111	0.7926
MacKinnon Hall	41,787	192,589	2,194		0.6824
Main Campus Medical Center	12,574	160,170	660		0.9599
McComas Village (All)	124,533	522,470		2,674	0.1652
McMaster Hall	67,194	867,616	3,529		0.9658
Memorial Field House	156,074	1,058,419	8,196		0.7566
Nitschke Hall-Nitschke Aud	132,159	1,452,290	6,940		0.9002
Nitschke Tech Commercialization Cplx	39,961	465,486			0.3976
North Engineering	252,894	3,359,047	13,281		0.9785
Ottawa House East & West	271,293	2,629,250	14,247	5,185	0.8755
Palmer Hall	67,040	1,094,516	3,521		1.0824
Parks Tower	166,213	2,169,939	8,729	348	0.9729
Peterson House	4,316	22,648		144	0.2133
Plant Operations	30,861	290,722		2,602	0.4079
Presidents Hall (The Crossings)	228,990	2,573,710	12,025	185	0.9096
Research & Technology Complex 1 (R1)	55,209	1,385,743		4,262	0.9358
Ritter Astrophysical Research Center	15,317	143,087	804		0.8440
Rocket Hall	109,552	901,730		2,858	0.3077
Savage Hall (John F. Savage Hall)	199,380	2,414,728	10,470		0.9385
Scott Tucker Hall	42,710	648,325	2,243		1.0432
Sculptural Studies	7,502	85,800		2,344	0.7106
Snyder Memorial	47,947	402,856	2,518		0.8119
Stranahan Arboretum	7,386	13,170		200	0.0886
Stranahan Hall	121,135	1,352,982	6,361		0.9063
Student Recreation Center	157,446	2,728,667	8,268	23	1.1168
Student Union (All)	221,225	2,326,724	11,617	2,586	0.8961
Sullivan Hall	13,401	125,867	704		0.8457
Transportation Center	19,826	244,017		1,307	0.4876
University Computer Center	32,872	1,844,981	1,726	1,807	2.4971
University Hall	292,633	3,540,697	15,367	484	0.9398
Westwood Building (All)	271,332	453,700		5,859	0.0792
Wolfe Hall	188,501	4,972,294	9,899	25	1.4256
SUB TOTALS	**5,009,739**	**60,241,293**	**209,841**	**53,419**	

UNIVERSITY OF TOLEDO
BUILDING Energy USAGE FISCAL YEAR 2019

Health Science Campus	GSF	Electric kWh	Steam Mlbs	Natural Gas MCF	EUI
Center Creative Education	88,810	1,061,021	7,827		1.2891
Collier Allied Health	111,363	903,234	9,815		1.1581
Dana Cancer Center	43,975	1,303,943	3,876	200	1.8980
Dowling Hall	247,616	5,967,511	21,823		1.7038
Facility Support	26,932	234,678	2,374		1.1787
Glendale Medical Center	40,516	427,249		876	0.3821
Glendale Medical East (VA)	40,447	374,788		1,417	0.3522
Health Education Bldg	254,875	17,730,348	22,462		3.2556
Health Science Bldg. (Block)	168,764	4,718,119	14,873		1.8355
Heatherdowns Educare Center	36,400	176,607		3,930	0.2763
Kobacker	41,140	101,611	3,626		0.9656
Lab Incubator (Records Retention)	20,533	72,313		1,291	0.1846
Mulford Library Bldg	137,930	1,600,286	12,156		1.2773
Northwest Medical Tech Center	38,614	1,134,107		3,098	1.0846
Records Retention	32,086	149,042		1,291	0.1998
Ruppert Center	114,126	1,059,142	10,058		1.1981
University Medical Ctr (Hospital)	378,123	14,341,476	33,324		2.1758
SUB TOTALS	**1,822,250**	**51,355,475**	**142,213**	**12,103**	
Scott Park Campus					
Basic Science-Allied Health-Classrm Ctr	77,096	1,500,900			0.6644
Engineering Technology Laboratory Center	24,812	584,600			0.8041
Faculty Annex	8,895	142,270			0.5459
Findlay Athletic Complex	6,593	105,758		1,257	0.7430
Learning Resource Ctr-Acad Services Ctr	127,430	1,789,640			0.4793
Non-Academic Services Center	14,881	965,419			2.2142
Scott Park Student Center	30,601	736,080			0.8210
SUB TOTALS	**290,308**	**5,824,667**		**1,257**	
GRAND TOTALS	**7,122,297**	**117,421,434**	**352,054**	**66,780**	

UNIVERSITY OF TOLEDO
BUILDING Utility COST FISCAL YEAR 2019

Main Campus	Electric	Steam	Natural Gas	Water	Total
Academic House	$22,516	$37,366	$605	$42,825	$103,313
Bowman-Oddy Laboratories	$266,983	$82,855	$1,372	$57,335	$408,545
Carlson Library	$197,619	$118,931		$28,226	$344,776
Carter Hall East and West	$26,790		$17,710	$6,190	$50,690
Center for Administrative Support	$5,562		$3,322	$3,639	$12,523
Center for Performing Arts	$55,545	$30,125		$5,008	$90,678
Center for Visual Arts	$113,704		$19,626	$16,625	$149,954
Driscoll Alumni Center	$37,478	$17,929		$5,241	$60,649
Gillham Hall	$46,009	$42,811		$3,004	$91,823
Glass Bowl Stadium	$96,346		$8,761	$41,935	$147,042
Grounds and Fleet Services	$8,746		$5,089	$3,584	$17,419
Health and Human Services (All)	$106,627	$75,567		$30,297	$212,491
Health Education Center	$48,713	$36,631		$17,228	$102,572
International House	$86,481	$64,394	$1,428	$45,529	$197,832
Lake Erie Center	$49,859		$16,194	$2,817	$68,871
Larimer Athletic Complex	$96,764	$14,899	$1,849	$17,353	$130,864
Law Center	$247,327	$58,130	$382	$9,766	$315,604
Libbey Hall	$9,814	$7,773	$902	$2,804	$21,293
MacKinnon Hall	$14,699	$19,372		$9,438	$43,509
Main Campus Medical Center	$12,328	$5,829		$5,748	$23,905
McComas Village (All)	$39,786		$18,757	$50,799	$109,341
McMaster Hall	$66,360	$31,150		$2,185	$99,695
Memorial Field House	$80,921	$72,353		$56,223	$209,497
Nitschke Hall-Nitschke Aud	$111,461	$61,267		$38,978	$211,706
Nitschke Tech Commercialization Cplx	$35,547		$350	$5,354	$41,251
North Engineering	$258,163	$117,238		$74,587	$449,988
Ottawa House East & West	$200,631	$125,767	$39,206	$108,073	$473,678
Palmer Hall	$83,812	$31,079		$19,772	$134,664
Parks Tower	$165,584	$77,054	$1,124	$74,051	$317,813
Peterson House	$2,740		$1,024	$513	$4,277
Plant Operations	$22,120		$12,072	$8,502	$42,694
Presidents Hall (The Crossings)	$197,210	$106,156	$591	$84,567	$388,524
Research & Technology Complex 1 (R1)	$106,272		$13,451	$6,585	$126,308
Ritter Astrophysical Research Center	$10,938	$7,101		$498	$18,537
Rocket Hall	$68,959		$13,045	$15,890	$97,895
Savage Hall (John F. Savage Hall)	$184,198	$92,429		$16,777	$293,405
Scott Tucker Hall	$50,089	$19,800		$7,143	$77,031
Sculptural Studies	$11,069		$11,583	$7,687	$30,339
Snyder Memorial	$30,965	$22,227		$1,559	$54,752
Stranahan Arboretum	$1,844		$1,288	$983	$4,115
Stranahan Hall	$103,399	$56,156		$3,940	$163,495
Student Recreation Center	$208,923	$72,989	$77	$43,237	$325,226
Student Union (All)	$177,762	$102,556	$8,316	$133,771	$422,405
Sullivan Hall	$9,604	$6,212		$7,120	$22,936
Transportation Center	$18,674		$4,111	$3,320	$26,106
University Computer Center	$141,186	$15,239	$8,752	$11,697	$176,873
University Hall	$270,038	$135,660	$1,565	$9,518	$416,780
Westwood Building (All)	$41,740		$28,420	$5,793	$75,954
Wolfe Hall	$379,546	$87,386	$419	$58,314	$525,665
SUB TOTALS	**$4,629,453**	**$1,852,430**	**$241,390**	**$1,212,031**	**$7,935,303**

UNIVERSITY OF TOLEDO
BUILDING Utility COST FISCAL YEAR 2019

Health Science Campus	Electric	Steam	Natural Gas	Water	Total
Center Creative Education	$81,152	$69,094		$10,304	$160,551
Collier Allied Health	$68,986	$86,641		$10,409	$166,036
Dana Cancer Center	$99,630	$34,213	$1,287	$6,992	$142,122
Dowling Hall	$457,123	$192,646		$45,698	$695,467
Facility Support	$17,962	$20,953		$5,367	$44,282
Glendale Medical Center	$32,717		$3,912	$6,740	$43,369
Glendale Medical East (VA)	$28,709		$6,757	$5,456	$40,921
Health Education Bldg	$1,359,020	$198,293		$143,201	$1,700,514
Health Science Bldg. (Block)	$360,807	$131,299		$143,201	$635,306
Heatherdowns Educare Center	$23,465		$15,696	$8,987	$48,148
Kobacker	$7,765	$32,007		$6,818	$46,590
Lab Incubator (Records Retention)	$5,522		$5,147	$1,810	$12,478
Mulford Library Bldg	$122,373	$107,310		$4,313	$233,996
Northwest Medical Tech Center	$86,969		$13,758	$7,742	$108,468
Records Retention	$11,362		$5,147	$1,254	$17,763
Ruppert Center	$80,936	$88,790		$28,677	$198,403
University Medical Ctr (Hospital)	$1,098,343	$294,181		$288,197	$1,680,720
SUB TOTALS	**$3,942,840**	**$1,255,427**	**$51,703**	**$725,166**	**$5,975,136**

Scott Park Campus					
Basic Science-Allied Health-Classrm Ctr	$180,893			$7,629	$188,522
Engineering Technology Laboratory Center	$71,133			$2,455	$73,588
Faculty Annex	$17,429			$880	$18,309
Findlay Athletic Complex	$13,611		$8,630	$4,055	$26,295
Learning Resource Ctr-Acad Services Ctr	$213,153			$12,610	$225,763
Non-Academic Services Center	$128,684			$17,085	$145,769
Scott Park Student Center	$88,689			$7,017	$95,706
SUB TOTALS	**$713,593**		**$8,630**	**$51,730**	**$773,953**

GRAND TOTALS	**$9,285,886**	**$3,107,857**	**$301,722**	**$1,988,927**	**$14,684,393**

BUILDING: Academic House
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	40,991	131	$0.075	$3,055	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,055
August	0	319	100%	34,618	109	$0.075	$2,609	0	0.00	$8.83	$0	5	0.02	$3.72	$19	$2,628
September	60	191	100%	29,643	118	$0.079	$2,327	43	0.17	$8.83	$377	23	0.09	$3.45	$79	$2,784
October	391	57	100%	20,336	45	$0.078	$1,580	278	0.62	$8.83	$2,458	43	0.10	$3.34	$143	$4,181
November	841	1	100%	17,493	21	$0.073	$1,276	599	0.71	$8.83	$5,287	39	0.05	$3.18	$124	$6,687
December	922	0	100%	23,956	26	$0.073	$1,740	657	0.71	$8.83	$5,796	16	0.02	$3.13	$50	$7,586
1st half yr	2214	882		167,036	54	$0.075	$12,588	1,577	0.51	$8.83	$13,918	126	0.04	$3.30	$416	$26,921
January	1,242	0	100%	17,048	14	$0.073	$1,240	884	0.71	$8.83	$7,808	4	0.00	$3.38	$14	$9,062
February	963	0	100%	15,317	16	$0.074	$1,139	686	0.71	$8.83	$6,054	15	0.02	$3.25	$49	$7,242
March	911	0	100%	22,187	24	$0.074	$1,635	649	0.71	$8.83	$5,727	12	0.01	$2.86	$34	$7,397
April	421	0	100%	17,690	42	$0.081	$1,436	300	0.71	$8.83	$2,647	16	0.04	$3.24	$52	$4,134
May	170	46	100%	23,051	107	$0.082	$1,894	121	0.56	$8.83	$1,069	12	0.06	$2.94	$35	$2,998
June	23	163	100%	31,457	169	$0.082	$2,584	16	0.09	$8.83	$145	2	0.01	$2.88	$6	$2,734
2nd half yr	3730	209		126,750	32	$0.078	$9,928	2,656	0.67	$8.83	$23,448	61	0.02	$3.10	$189	$33,566
TOTAL/YEAR	5944	1091		293,786	42	$0.077	$22,516	4,233	0.60	$8.83	$37,366	187	0.03	$3.23	$605	$60,487

Building Data: 1991

Gross Area (ft)2 80,603

Gross Volume (ft)3 644,824

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,002,691
Steam = M (lbs) X 1,000,000	4,232,799
Natural Gas = MCF X 102,500	19,168
TOTAL BTU's x 1,000	5,254,658

Energy Utilization Index =

Total BTU Consumption/Yr	5,254,657,774
Gross Area (ft) 2	80,603
Divided by 100,000 =	0.6519 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$0.87	
WATER COST TOTAL/YEAR		$42,825
WATER / SQ. FT. / YEAR	$0.53	
UTILITY COST/YEAR		$113,107

BUILDING: Bowman Oddy
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	336,340	1,071	$0.075	$25,070	0	0.00	$8.83	$0	1	0.00	$4.05	$4	$25,074
August	0	319	100%	249,780	783	$0.075	$18,826	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$18,826
September	60	191	100%	242,450	966	$0.079	$19,034	95	0.38	$8.83	$836	0	0.00	$0.00	$0	$19,870
October	391	57	100%	308,490	689	$0.078	$23,967	617	1.38	$8.83	$5,450	1	0.00	$3.34	$3	$29,420
November	841	1	100%	289,450	344	$0.073	$21,120	1,328	1.58	$8.83	$11,723	13	0.02	$3.18	$41	$32,884
December	922	0	100%	368,480	400	$0.073	$26,761	1,456	1.58	$8.83	$12,852	30	0.03	$3.13	$94	$39,707
1st half yr	2214	882		1,794,990	580	$0.075	$134,778	3,496	1.13	$8.83	$30,862	45	0.01	$3.17	$143	$165,782
January	1242	0	100%	263,190	212	$0.073	$19,147	1,961	1.58	$8.83	$17,313	36	0.03	$3.38	$122	$36,582
February	963	0	100%	282,400	293	$0.074	$21,006	1,521	1.58	$8.83	$13,424	54	0.06	$3.25	$175	$34,605
March	911	0	100%	281,300	309	$0.074	$20,733	1,438	1.58	$8.83	$12,699	39	0.04	$2.86	$111	$33,543
April	421	0	100%	304,570	723	$0.081	$24,720	665	1.58	$8.83	$5,868	21	0.05	$3.24	$68	$30,657
May	170	46	100%	267,210	1,237	$0.082	$21,951	268	1.24	$8.83	$2,370	148	0.69	$5.09	$753	$25,073
June	23	163	100%	300,030	1,613	$0.082	$24,647	36	0.20	$8.83	$321	0	0.00	$0.00	$0	$24,968
2nd half yr	3730	209		1,698,700	431	$0.078	$132,205	5,890	1.50	$8.83	$51,993	298	0.08	$4.13	$1,229	$185,428
TOTAL/YEAR	5944	1091		3,493,690	497	$0.076	$266,983	9,386	1.33	$8.83	$82,855	343	0.05	$4.00	$1,372	$351,210

Building Data: 1966

Gross Area (ft)2 178,727

Gross Volume (ft)3 1,429,816

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	11,923,964
Steam = M (lbs) X 1,000,000	9,385,700
Natural Gas = MCF X 102,500	35,158
TOTAL BTU's x 1,000	21,344,821

Energy Utilization Index =

Total BTU Consumption/Yr	21,344,820,996	
Gross Area (ft) 2	178,727	
Divided by 100,000 =	1.1943	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.97	
WATER COST TOTAL/YEAR		$57,335
WATER / SQ. FT. / YEAR	$0.32	
UTILITY COST/YEAR		$408,545

BUILDING: Carlson Library
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	221,376	762	$0.075	$16,501	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$16,501
August	0	319	100%	184,669	872	$0.075	$13,919	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$13,919
September	60	191	100%	184,939	1,527	$0.079	$14,519	136	0.54	$8.83	$1,201	0	0.00	$0.00	$0	$15,720
October	391	57	100%	237,891	840	$0.078	$18,482	886	1.98	$8.83	$7,823	0	0.00	$0.00	$0	$26,305
November	841	1	100%	212,442	356	$0.073	$15,501	1,906	2.26	$8.83	$16,827	0	0.00	$0.00	$0	$32,328
December	922	0	100%	247,914	188	$0.073	$18,005	2,090	2.27	$8.83	$18,448	0	0.00	$0.00	$0	$36,453
1st half yr	2214	882		1,289,231	416	$0.075	$96,926	5,018	1.62	$8.83	$44,299	0	0.00	$0.00	$0	$141,225
January	1242	0	100%	211,355	174	$0.073	$15,376	2,815	2.27	$8.83	$24,851	0	0.00	$0.00	$0	$40,227
February	963	0	100%	210,411	232	$0.074	$15,651	2,183	2.27	$8.83	$19,268	0	0.00	$0.00	$0	$34,920
March	911	0	100%	204,266	302	$0.074	$15,056	2,065	2.27	$8.83	$18,228	0	0.00	$0.00	$0	$33,283
April	421	0	100%	233,561	560	$0.081	$18,957	954	2.27	$8.83	$8,424	0	0.00	$0.00	$0	$27,381
May	170	46	100%	217,000	939	$0.082	$17,826	385	1.78	$8.83	$3,401	0	0.00	$0.00	$0	$21,228
June	23	163	100%	217,000	1,197	$0.082	$17,826	52	0.28	$8.83	$460	0	0.00	$0.00	$0	$18,286
2nd half yr	3730	209		1,293,592	328	$0.078	$100,692	8,454	2.15	$8.83	$74,632	0	0.00	$0.00	$0	$175,324
TOTAL/YEAR	5944	1091		2,582,823	367	$0.077	$197,619	13,472	1.92	$8.83	$118,931	0	0.00	$0.00	$0	$316,550

Building Data: 1973

Gross Area (ft)2 256,547

Gross Volume (ft)3 2,052,376

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	8,815,175
Steam = M (lbs) X 1,000,000	13,472,352
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	22,287,527

Energy Utilization Index =

Total BTU Consumption/Yr	22,287,526,901
Gross Area (ft) 2	256,547
Divided by 100,000 =	0.8688 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.23	
WATER COST TOTAL/YEAR		$28,226
WATER / SQ. FT. / YEAR	$0.11	
UTILITY COST/YEAR		$344,776

BUILDING: Carter Hall East and West
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	14,098	45	$0.075	$1,051	0	0.00	$8.83	$0	25	0.08	$4.05	$101	$1,152
August	0	319	100%	16,611	52	$0.075	$1,252	0	0.00	$8.83	$0	24	0.08	$3.72	$89	$1,341
September	60	191	100%	17,742	71	$0.079	$1,393	0	0.00	$8.83	$0	38	0.15	$3.45	$131	$1,524
October	391	57	100%	19,179	43	$0.078	$1,490	0	0.00	$8.83	$0	40	0.09	$3.34	$133	$1,623
November	841	1	100%	24,580	29	$0.073	$1,794	0	0.00	$8.83	$0	713	0.85	$3.18	$2,266	$4,059
December	922	0	100%	38,773	42	$0.073	$2,816	0	0.00	$8.83	$0	758	0.82	$3.13	$2,373	$5,189
1st half yr	2214	882		130,983	42	$0.075	$9,795	0	0.00	$8.83	$0	1,598	0.52	$3.19	$5,094	$14,889
January	1242	0	100%	39,977	32	$0.073	$2,908	0	0.00	$8.83	$0	979	0.79	$3.38	$3,311	$6,220
February	963	0	100%	40,976	43	$0.074	$3,048	0	0.00	$8.83	$0	1,177	1.22	$3.25	$3,820	$6,868
March	911	0	100%	49,423	54	$0.074	$3,643	0	0.00	$8.83	$0	1,023	1.12	$2.86	$2,925	$6,567
April	421	0	100%	36,709	87	$0.081	$2,979	0	0.00	$8.83	$0	759	1.80	$3.24	$2,457	$5,437
May	170	46	100%	36,942	171	$0.082	$3,035	0	0.00	$8.83	$0	35	0.16	$2.94	$103	$3,138
June	23	163	100%	16,812	90	$0.082	$1,381	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,381
2nd half yr	3730	209		220,839	56	$0.077	$16,994	0	0.00	$8.83	$0	3,973	1.01	$3.18	$12,616	$29,611
TOTAL/YEAR	5944	1091		351,822	50	$0.076	$26,790	0	0.00	$8.83	$0	5,571	0.79	$3.18	$17,710	$44,500

Building Data: 1964

Gross Area (ft)2 124,889

Gross Volume (ft)3 999,112

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,200,767
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	571,028
TOTAL BTU's x 1,000	1,771,795

Energy Utilization Index =

Total BTU Consumption/Yr	1,771,794,692	
Gross Area (ft) 2	124,889	
Divided by 100,000 =	0.1419	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.36	
WATER COST TOTAL/YEAR		$6,190
WATER / SQ. FT. / YEAR	$0.05	
UTILITY COST/YEAR		$50,690

BUILDING: Center for Administrative Support
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	5,176	16	$0.075	$386	0	0.00	$8.83	$0	1	0.00	$31.47	$31	$417
August	0	319	100%	5,176	16	$0.075	$390	0	0.00	$8.83	$0	1	0.00	$31.47	$31	$422
September	60	191	100%	5,176	21	$0.079	$406	0	0.00	$8.83	$0	2	0.01	$70.75	$127	$534
October	391	57	100%	5,176	12	$0.078	$402	0	0.00	$8.83	$0	21	0.05	$11.61	$244	$646
November	841	1	100%	5,176	6	$0.073	$378	0	0.00	$8.83	$0	56	0.07	$8.26	$462	$840
December	922	0	100%	5,176	6	$0.073	$376	0	0.00	$8.83	$0	59	0.06	$8.16	$481	$857
1st half yr	2214	882		31,054	10	$0.075	$2,338	0	0.00	$8.83	$0	140	0.05	$9.86	$1,378	$3,716
January	1242	0	100%	5,176	4	$0.073	$377	0	0.00	$8.83	$0	86	0.07	$7.38	$635	$1,012
February	963	0	100%	7,236	8	$0.074	$538	0	0.00	$8.83	$0	71	0.07	$7.78	$552	$1,090
March	911	0	100%	7,236	8	$0.074	$533	0	0.00	$8.83	$0	27	0.03	$11.15	$300	$833
April	421	0	100%	7,236	17	$0.081	$587	0	0.00	$8.83	$0	9	0.02	$19.76	$186	$773
May	170	46	100%	7,236	34	$0.082	$594	0	0.00	$8.83	$0	2	0.01	$91.65	$137	$732
June	23	163	100%	7,236	39	$0.082	$594	0	0.00	$8.83	$0	1	0.00	$148.63	$134	$728
2nd half yr	3730	209		41,356	10	$0.078	$3,224	0	0.00	$8.83	$0	196	0.05	$9.93	$1,944	$5,168
TOTAL/YEAR	5944	1091		72,410	10	$0.077	$5,562	0	0.00	$8.83	$0	336	0.05	$9.90	$3,322	$8,884

Building Data: 1996

Gross Area (ft)2 15,941

Gross Volume (ft)3 127,528

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	247,135
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	34,389
TOTAL BTU's x 1,000	281,523

Energy Utilization Index =

Total BTU Consumption/Yr	281,523,439	
Gross Area (ft) 2	15,941	
Divided by 100,000 =	0.1766	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.56	
WATER COST TOTAL/YEAR		$3,639
WATER / SQ. FT. / YEAR	$0.23	
UTILITY COST/YEAR		$12,523

BUILDING: Center for Performing Arts
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	50,604	161	$0.075	$3,772	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,772
August	0	319	100%	46,643	146	$0.075	$3,516	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,516
September	60	191	100%	58,375	233	$0.079	$4,583	34	0.14	$8.83	$304	0	0.00	$0.00	$0	$4,887
October	391	57	100%	55,001	123	$0.078	$4,273	224	0.50	$8.83	$1,982	0	0.00	$0.00	$0	$6,255
November	841	1	100%	67,129	80	$0.073	$4,898	483	0.57	$8.83	$4,262	0	0.00	$0.00	$0	$9,160
December	922	0	100%	64,278	70	$0.073	$4,668	529	0.57	$8.83	$4,673	0	0.00	$0.00	$0	$9,341
1st half yr	2214	882		342,031	110	$0.075	$25,710	1,271	0.41	$8.83	$11,221	0	0.00	$0.00	$0	$36,931
January	1242	0	100%	73,941	60	$0.073	$5,379	713	0.57	$8.83	$6,295	0	0.00	$0.00	$0	$11,674
February	963	0	100%	71,987	75	$0.074	$5,355	553	0.57	$8.83	$4,881	0	0.00	$0.00	$0	$10,235
March	911	0	100%	66,297	73	$0.074	$4,886	523	0.57	$8.83	$4,617	0	0.00	$0.00	$0	$9,504
April	421	0	100%	62,701	149	$0.081	$5,089	242	0.57	$8.83	$2,134	0	0.00	$0.00	$0	$7,223
May	170	46	100%	60,851	282	$0.082	$4,999	98	0.45	$8.83	$862	0	0.00	$0.00	$0	$5,860
June	23	163	100%	50,242	270	$0.082	$4,127	13	0.07	$8.83	$117	0	0.00	$0.00	$0	$4,244
2nd half yr	3730	209		386,019	98	$0.077	$29,836	2,141	0.54	$8.83	$18,904	0	0.00	$0.00	$0	$48,740
TOTAL/YEAR	5944	1091		728,049	103	$0.076	$55,545	3,413	0.49	$8.83	$30,125	0	0.00	$0.00	$0	$85,670

Building Data: 1976

Gross Area (ft)2 64,983

Gross Volume (ft)3 519,864

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	2,484,832
Steam = M (lbs) X 1,000,000	3,412,528
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	5,897,360

Energy Utilization Index =

Total BTU Consumption/Yr	5,897,360,127
Gross Area (ft) 2	64,983
Divided by 100,000 =	0.9075 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.32	
WATER COST TOTAL/YEAR		$5,008
WATER / SQ. FT. / YEAR	$0.08	
UTILITY COST/YEAR		$90,678

BUILDING: Center for Visual Arts
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	119,850	382	$0.077	$9,189	0	0.00	$8.83	$0	68	0.22	$8.46	$575	$9,765
August	0	319	100%	198,492	622	$0.077	$15,219	0	0.00	$8.83	$0	721	2.26	$3.39	$2,444	$17,663
September	60	191	100%	219,708	875	$0.077	$16,846	0	0.00	$8.83	$0	552	2.20	$3.68	$2,032	$18,878
October	391	57	100%	129,100	288	$0.077	$9,899	0	0.00	$8.83	$0	356	0.79	$4.11	$1,464	$11,363
November	841	1	100%	83,900	100	$0.077	$6,433	0	0.00	$8.83	$0	294	0.35	$4.36	$1,283	$7,715
December	922	0	100%	103,900	113	$0.077	$7,966	0	0.00	$8.83	$0	387	0.42	$4.06	$1,573	$9,539
1st half yr	2214	882		854,950	276	$0.077	$65,552	0	0.00	$8.83	$0	2,378	0.77	$3.94	$9,371	$74,923
January	1242	0	100%	80,900	65	$0.077	$6,203	0	0.00	$8.83	$0	437	0.35	$4.25	$1,856	$8,059
February	963	0	100%	112,100	116	$0.077	$8,595	0	0.00	$8.83	$0	559	0.58	$3.96	$2,214	$10,810
March	911	0	100%	91,300	100	$0.077	$7,000	0	0.00	$8.83	$0	575	0.63	$3.62	$2,084	$9,085
April	421	0	100%	105,800	251	$0.077	$8,112	0	0.00	$8.83	$0	347	0.82	$4.35	$1,510	$9,622
May	170	46	100%	109,300	506	$0.077	$8,380	0	0.00	$8.83	$0	355	1.64	$3.91	$1,389	$9,769
June	23	163	100%	128,600	691	$0.077	$9,860	0	0.00	$8.83	$0	331	1.78	$3.63	$1,202	$11,062
2nd half yr	3730	209		628,000	159	$0.077	$48,151	0	0.00	$8.83	$0	2,604	0.66	$3.94	$10,255	$58,406
TOTAL/YEAR	5944	1091		1,482,950	211	$0.077	$113,704	0	0.00	$8.83	$0	4,982	0.71	$3.94	$19,626	$133,329

Building Data: 1991

Gross Area (ft)2 51,899

Gross Volume (ft)3 415,192

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	5,061,308
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	510,655
TOTAL BTU's x 1,000	5,571,963

Energy Utilization Index =

Total BTU Consumption/Yr	5,571,963,350
Gross Area (ft) 2	51,899
Divided by 100,000 =	1.0736 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.57	
WATER COST TOTAL/YEAR		$16,625
WATER / SQ. FT. / YEAR	$0.32	
UTILITY COST/YEAR		$149,954

BUILDING: Driscoll Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	36,265	115	$0.075	$2,703	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,703
August	0	319	100%	38,046	119	$0.075	$2,868	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,868
September	60	191	100%	36,238	144	$0.079	$2,845	21	0.08	$8.83	$181	0	0.00	$0.00	$0	$3,026
October	391	57	100%	36,865	82	$0.078	$2,864	134	0.30	$8.83	$1,179	0	0.00	$0.00	$0	$4,043
November	841	1	100%	41,553	49	$0.073	$3,032	287	0.34	$8.83	$2,537	0	0.00	$0.00	$0	$5,569
December	922	0	100%	44,323	48	$0.073	$3,219	315	0.34	$8.83	$2,781	0	0.00	$0.00	$0	$6,000
1st half yr	2214	882		233,289	75	$0.075	$17,531	756	0.24	$8.83	$6,678	0	0.00	$0.00	$0	$24,209
January	1242	0	100%	45,790	37	$0.073	$3,331	424	0.34	$8.83	$3,746	0	0.00	$0.00	$0	$7,078
February	963	0	100%	51,299	53	$0.074	$3,816	329	0.34	$8.83	$2,905	0	0.00	$0.00	$0	$6,721
March	911	0	100%	46,692	51	$0.074	$3,441	311	0.34	$8.83	$2,748	0	0.00	$0.00	$0	$6,189
April	421	0	100%	40,816	97	$0.081	$3,313	144	0.34	$8.83	$1,270	0	0.00	$0.00	$0	$4,583
May	170	46	100%	38,361	178	$0.082	$3,151	58	0.27	$8.83	$513	0	0.00	$0.00	$0	$3,664
June	23	163	100%	35,240	189	$0.082	$2,895	8	0.04	$8.83	$69	0	0.00	$0.00	$0	$2,964
2nd half yr	3730	209		258,198	66	$0.077	$19,948	1,274	0.32	$8.83	$11,251	0	0.00	$0.00	$0	$31,199
TOTAL/YEAR	5944	1091		491,487	70	$0.076	$37,478	2,031	0.29	$8.83	$17,929	0	0.00	$0.00	$0	$55,407

Building Data: 1977

Gross Area (ft)2 38,675

Gross Volume (ft)3 309,400

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,677,445
Steam = M (lbs) X 1,000,000	2,030,985
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	3,708,431

Energy Utilization Index =

Total BTU Consumption/Yr	3,708,430,853
Gross Area (ft) 2	38,675
Divided by 100,000 =	0.9589 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$5,241
WATER / SQ. FT. / YEAR	$0.14	
UTILITY COST/YEAR		$60,649

BUILDING: Gilham Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	45,945	146	$0.075	$3,425	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,425
August	0	319	100%	52,647	165	$0.075	$3,968	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,968
September	60	191	100%	52,827	210	$0.079	$4,147	49	0.20	$8.83	$432	0	0.00	$0.00	$0	$4,579
October	391	57	100%	55,155	123	$0.078	$4,285	319	0.71	$8.83	$2,816	0	0.00	$0.00	$0	$7,101
November	841	1	100%	52,305	62	$0.073	$3,816	686	0.81	$8.83	$6,057	0	0.00	$0.00	$0	$9,874
December	922	0	100%	51,669	56	$0.073	$3,753	752	0.82	$8.83	$6,641	0	0.00	$0.00	$0	$10,393
1st half yr	2214	882		310,547	100	$0.075	$23,394	1,806	0.58	$8.83	$15,946	0	0.00	$0.00	$0	$39,340
January	1242	0	100%	55,123	44	$0.073	$4,010	1,013	0.82	$8.83	$8,945	0	0.00	$0.00	$0	$12,956
February	963	0	100%	46,235	48	$0.074	$3,439	786	0.82	$8.83	$6,936	0	0.00	$0.00	$0	$10,375
March	911	0	100%	54,729	60	$0.074	$4,034	743	0.82	$8.83	$6,561	0	0.00	$0.00	$0	$10,595
April	421	0	100%	43,685	104	$0.081	$3,546	343	0.82	$8.83	$3,032	0	0.00	$0.00	$0	$6,578
May	170	46	100%	41,215	158	$0.082	$3,386	139	0.64	$8.83	$1,224	0	0.00	$0.00	$0	$4,610
June	23	163	100%	51,135	196	$0.082	$4,201	19	0.10	$8.83	$166	0	0.00	$0.00	$0	$4,366
2nd half yr	3730	209		292,122	74	$0.077	$22,615	3,043	0.77	$8.83	$26,865	0	0.00	$0.00	$0	$49,480
TOTAL/YEAR	5944	1091		602,669	86	$0.076	$46,009	4,850	0.69	$8.83	$42,811	0	0.00	$0.00	$0	$88,820

Building Data: 1953

Gross Area (ft)2 92,347

Gross Volume (ft)3 738,776

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	2,056,910
Steam = M (lbs) X 1,000,000	4,849,526
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	6,906,436

Energy Utilization Index =

Total BTU Consumption/Yr	6,906,435,651
Gross Area (ft) 2	92,347
Divided by 100,000 =	0.7479 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$3,004
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$91,823

BUILDING: Glass Bowl Stadium
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	95,301	304	$0.075	$7,103	0	0.00	$8.83	$0	7	0.02	$4.05	$28	$7,132
August	0	319	100%	97,766	306	$0.075	$7,369	0	0.00	$8.83	$0	8	0.03	$3.72	$30	$7,399
September	60	191	100%	77,420	308	$0.079	$6,078	0	0.00	$8.83	$0	9	0.04	$3.45	$31	$6,109
October	391	57	100%	111,832	250	$0.078	$8,688	0	0.00	$8.83	$0	11	0.02	$3.34	$37	$8,725
November	841	1	100%	163,000	194	$0.073	$11,893	0	0.00	$8.83	$0	215	0.26	$3.18	$683	$12,577
December	922	0	100%	223,545	242	$0.073	$16,235	0	0.00	$8.83	$0	356	0.39	$3.13	$1,114	$17,350
1st half yr	2214	882		768,864	248	$0.075	$57,367	0	0.00	$8.83	$0	606	0.20	$3.17	$1,924	$59,291
January	1242	0	100%	102,236	82	$0.073	$7,438	0	0.00	$8.83	$0	407	0.33	$3.38	$1,377	$8,814
February	963	0	100%	101,839	106	$0.074	$7,575	0	0.00	$8.83	$0	756	0.79	$3.25	$2,454	$10,029
March	911	0	100%	97,467	107	$0.074	$7,184	0	0.00	$8.83	$0	535	0.59	$2.86	$1,529	$8,713
April	421	0	100%	89,591	213	$0.081	$7,272	0	0.00	$8.83	$0	294	0.70	$3.24	$952	$8,223
May	170	46	100%	50,329	233	$0.082	$4,134	0	0.00	$8.83	$0	165	0.76	$2.94	$485	$4,620
June	23	163	100%	65,446	352	$0.082	$5,376	0	0.00	$8.83	$0	14	0.08	$2.88	$40	$5,417
2nd half yr	3730	209		506,908	129	$0.077	$38,979	0	0.00	$8.83	$0	2,171	0.55	$3.15	$6,837	$45,816
TOTAL/YEAR	5944	1091		1,275,772	181	$0.076	$96,346	0	0.00	$8.83	$0	2,777	0.39	$3.15	$8,761	$105,107

Building Data: 1937

Gross Area (ft)2 103,578

Gross Volume (ft)3 828,624

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	4,354,210
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	284,643
TOTAL BTU's x 1,000	4,638,853

Energy Utilization Index =

Total BTU Consumption/Yr	4,638,852,658
Gross Area (ft) 2	103,578
Divided by 100,000 =	0.4479 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.08	
WATER COST TOTAL/YEAR		$41,935
WATER / SQ. FT. / YEAR	$0.40	
UTILITY COST/YEAR		$147,042

BUILDING: Grounds
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	8,989	29	$0.075	$670	0	0.00	$8.83	$0	2	0.01	$57.45	$136	$806
August	0	319	100%	10,328	32	$0.075	$778	0	0.00	$8.83	$0	2	0.01	$74.98	$133	$912
September	60	191	100%	8,155	32	$0.079	$640	0	0.00	$8.83	$0	2	0.01	$64.43	$134	$774
October	391	57	100%	8,084	18	$0.078	$628	0	0.00	$8.83	$0	5	0.01	$28.85	$145	$774
November	841	1	100%	8,682	10	$0.073	$633	0	0.00	$8.83	$0	74	0.09	$5.00	$369	$1,003
December	922	0	100%	12,227	13	$0.073	$888	0	0.00	$8.83	$0	208	0.23	$3.76	$784	$1,672
1st half yr	2214	882		56,465	18	$0.075	$4,238	0	0.00	$8.83	$0	294	0.09	$5.80	$1,702	$5,941
January	1242	0	100%	13,106	11	$0.073	$953	0	0.00	$8.83	$0	215	0.17	$3.99	$858	$1,811
February	963	0	100%	9,963	10	$0.074	$741	0	0.00	$8.83	$0	272	0.28	$3.76	$1,023	$1,764
March	911	0	100%	11,388	13	$0.074	$839	0	0.00	$8.83	$0	196	0.22	$3.65	$716	$1,555
April	421	0	100%	7,687	18	$0.081	$624	0	0.00	$8.83	$0	83	0.20	$4.92	$410	$1,034
May	170	46	100%	7,354	34	$0.082	$604	0	0.00	$8.83	$0	32	0.15	$7.23	$234	$838
June	23	163	100%	9,084	49	$0.082	$746	0	0.00	$8.83	$0	4	0.02	$32.75	$146	$892
2nd half yr	3730	209		58,581	15	$0.077	$4,508	0	0.00	$8.83	$0	803	0.20	$4.22	$3,386	$7,894
TOTAL/YEAR	5944	1091		115,046	16	$0.076	$8,746	0	0.00	$8.83	$0	1,097	0.16	$4.64	$5,089	$13,835

Building Data: 1995

Gross Area (ft)2 13,009

Gross Volume (ft)3 104,072

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	392,651
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	112,431
TOTAL BTU's x 1,000	505,082

Energy Utilization Index =

Total BTU Consumption/Yr	505,082,027	
Gross Area (ft) 2	13,009	
Divided by 100,000 =	0.3883	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.39	
WATER COST TOTAL/YEAR		$3,584
WATER / SQ. FT. / YEAR	$0.28	
UTILITY COST/YEAR		$17,419

BUILDING: Health Human Services
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	108,556	346	$0.075	$8,091	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$8,091
August	0	319	100%	109,435	343	$0.075	$8,248	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$8,248
September	60	191	100%	108,381	432	$0.079	$8,509	86	0.34	$8.83	$763	0	0.00	$0.00	$0	$9,272
October	391	57	100%	108,421	242	$0.078	$8,423	563	1.26	$8.83	$4,971	0	0.00	$0.00	$0	$13,394
November	841	1	100%	117,721	140	$0.073	$8,590	1,211	1.44	$8.83	$10,692	0	0.00	$0.00	$0	$19,281
December	922	0	100%	115,566	125	$0.073	$8,393	1,328	1.44	$8.83	$11,722	0	0.00	$0.00	$0	$20,115
1st half yr	2214	882		668,081	216	$0.075	$50,254	3,188	1.03	$8.83	$28,147	0	0.00	$0.00	$0	$78,401
January	1242	0	100%	116,597	94	$0.073	$8,483	1,789	1.44	$8.83	$15,790	0	0.00	$0.00	$0	$24,272
February	963	0	100%	121,296	126	$0.074	$9,023	1,387	1.44	$8.83	$12,243	0	0.00	$0.00	$0	$21,265
March	911	0	100%	129,190	142	$0.074	$9,522	1,312	1.44	$8.83	$11,582	0	0.00	$0.00	$0	$21,104
April	421	0	100%	127,793	304	$0.081	$10,372	606	1.44	$8.83	$5,352	0	0.00	$0.00	$0	$15,725
May	170	46	100%	120,610	558	$0.082	$9,908	245	1.13	$8.83	$2,161	0	0.00	$0.00	$0	$12,069
June	23	163	100%	110,351	593	$0.082	$9,065	33	0.18	$8.83	$292	0	0.00	$0.00	$0	$9,358
2nd half yr	3730	209		725,839	184	$0.078	$56,373	5,372	1.36	$8.83	$47,420	0	0.00	$0.00	$0	$103,793
TOTAL/YEAR	5944	1091		1,393,920	198	$0.076	$106,627	8,560	1.22	$8.83	$75,567	0	0.00	$0.00	$0	$182,194

Building Data: 1961

Gross Area (ft)2 163,006

Gross Volume (ft)3 1,304,048

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	4,757,449
Steam = M (lbs) X 1,000,000	8,560,124
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	13,317,573

Energy Utilization Index =

Total BTU Consumption/Yr	13,317,573,071
Gross Area (ft) 2	163,006
Divided by 100,000 =	0.8170 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$30,297
WATER / SQ. FT. / YEAR	$0.19	
UTILITY COST/YEAR		$212,491

BUILDING: Health Education Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	47,369	151	$0.075	$3,531	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,531
August	0	319	100%	49,916	156	$0.075	$3,762	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,762
September	60	191	100%	51,751	206	$0.079	$4,063	42	0.17	$8.83	$370	0	0.00	$0.00	$0	$4,433
October	391	57	100%	53,826	120	$0.078	$4,182	273	0.61	$8.83	$2,410	0	0.00	$0.00	$0	$6,591
November	841	1	100%	55,775	66	$0.073	$4,070	587	0.70	$8.83	$5,183	0	0.00	$0.00	$0	$9,252
December	922	0	100%	59,984	65	$0.073	$4,356	644	0.70	$8.83	$5,682	0	0.00	$0.00	$0	$10,038
1st half yr	2214	882		318,621	103	$0.075	$23,964	1,546	0.50	$8.83	$13,644	0	0.00	$0.00	$0	$37,608
January	1242	0	100%	64,266	52	$0.073	$4,675	867	0.70	$8.83	$7,654	0	0.00	$0.00	$0	$12,329
February	963	0	100%	47,816	50	$0.074	$3,557	672	0.70	$8.83	$5,935	0	0.00	$0.00	$0	$9,491
March	911	0	100%	60,927	67	$0.074	$4,491	636	0.70	$8.83	$5,614	0	0.00	$0.00	$0	$10,105
April	421	0	100%	43,463	103	$0.081	$3,528	294	0.70	$8.83	$2,594	0	0.00	$0.00	$0	$6,122
May	170	46	100%	49,299	228	$0.082	$4,050	119	0.55	$8.83	$1,048	0	0.00	$0.00	$0	$5,097
June	23	163	100%	54,161	291	$0.082	$4,449	16	0.09	$8.83	$142	0	0.00	$0.00	$0	$4,591
2nd half yr	3730	209		319,931	81	$0.077	$24,749	2,604	0.66	$8.83	$22,987	0	0.00	$0.00	$0	$47,736
TOTAL/YEAR	5944	1091		638,552	91	$0.076	$48,713	4,149	0.59	$8.83	$36,631	0	0.00	$0.00	$0	$85,344

Building Data: 1967

Gross Area (ft)2 79,016

Gross Volume (ft)3 632,128

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	2,179,378
Natural Gas = MCF X 102,500	4,149,459
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	6,328,837

Energy Utilization Index =

Total BTU Consumption/Yr	6,328,836,977
Gross Area (ft) 2	79,016
Divided by 100,000 =	0.8010 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$17,228
WATER / SQ. FT. / YEAR	$0.22	
UTILITY COST/YEAR		$102,572

BUILDING: International House
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	84,275	268	$0.075	$6,282	0	0.00	$8.83	$0	12	0.04	$7.00	$84	$6,366
August	0	319	100%	80,092	251	$0.075	$6,037	0	0.00	$8.83	$0	15	0.05	$6.80	$102	$6,139
September	60	191	100%	106,708	425	$0.079	$8,377	74	0.29	$8.83	$650	30	0.12	$5.65	$169	$9,197
October	391	57	100%	110,313	246	$0.078	$8,570	480	1.07	$8.83	$4,236	28	0.06	$5.69	$159	$12,965
November	841	1	100%	107,053	127	$0.073	$7,811	1,032	1.23	$8.83	$9,111	32	0.04	$5.53	$177	$17,099
December	922	0	100%	104,045	113	$0.073	$7,556	1,131	1.23	$8.83	$9,988	13	0.01	$6.84	$89	$17,634
1st half yr	2214	882		592,485	191	$0.075	$44,633	2,717	0.88	$8.83	$23,985	130	0.04	$6.01	$781	$69,399
January	1242	0	100%	93,126	75	$0.073	$6,775	1,524	1.23	$8.83	$13,455	26	0.02	$5.81	$151	$20,381
February	963	0	100%	103,062	107	$0.074	$7,666	1,182	1.23	$8.83	$10,433	22	0.02	$6.08	$134	$18,233
March	911	0	100%	104,679	115	$0.074	$7,715	1,118	1.23	$8.83	$9,869	25	0.03	$5.83	$148	$17,733
April	421	0	100%	99,127	235	$0.081	$8,046	517	1.23	$8.83	$4,561	16	0.04	$6.54	$103	$12,709
May	170	46	100%	66,607	308	$0.082	$5,472	209	0.97	$8.83	$1,842	4	0.02	$12.00	$49	$7,363
June	23	163	100%	75,157	404	$0.082	$6,174	28	0.15	$8.83	$249	7	0.04	$9.11	$62	$6,485
2nd half yr	3730	209		541,759	138	$0.077	$41,848	4,577	1.16	$8.83	$40,409	100	0.03	$6.47	$647	$82,903
TOTAL/YEAR	5944	1091		1,134,244	161	$0.076	$86,481	7,294	1.04	$8.83	$64,394	230	0.03	$6.21	$1,428	$152,303

Building Data: 1994

Gross Area (ft)2 138,904

Gross Volume (ft)3 1,111,232

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,871,175
Steam = M (lbs) X 1,000,000	7,294,428
Natural Gas = MCF X 102,500	23,575
TOTAL BTU's x 1,000	11,189,178

Energy Utilization Index =

Total BTU Consumption/Yr	11,189,177,565
Gross Area (ft) 2	138,904
Divided by 100,000 =	0.8055 THERMS

CHILLED WATER COST/YEAR		$36,400
ENERGY COST / SQ. FT. / YEAR	$0.27	
WATER COST TOTAL/YEAR		$45,529
WATER / SQ. FT. / YEAR	$0.33	
UTILITY COST/YEAR		$234,232

BUILDING: Lake Erie Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	56,648	180	$0.096	$5,438	0	0.00	$8.83	$0	171	0.54	$5.30	$906	$6,344
August	0	319	100%	59,780	187	$0.096	$5,739	0	0.00	$8.83	$0	207	0.65	$4.62	$957	$6,696
September	60	191	100%	55,322	220	$0.096	$5,311	0	0.00	$8.83	$0	222	0.88	$4.63	$1,029	$6,340
October	391	57	100%	44,181	99	$0.096	$4,241	0	0.00	$8.83	$0	297	0.66	$4.29	$1,274	$5,515
November	841	1	100%	34,487	41	$0.096	$3,311	0	0.00	$8.83	$0	385	0.46	$4.04	$1,557	$4,868
December	922	0	100%	35,251	38	$0.096	$3,384	0	0.00	$8.83	$0	427	0.46	$3.95	$1,687	$5,071
1st half yr	2214	882		285,669	92	$0.096	$27,424	0	0.00	$8.83	$0	1,709	0.55	$4.34	$7,410	$34,834
January	1242	0	100%	36,625	29	$0.096	$3,516	0	0.00	$8.83	$0	511	0.41	$4.05	$2,067	$5,583
February	963	0	100%	30,973	32	$0.096	$2,973	0	0.00	$8.83	$0	435	0.45	$4.09	$1,779	$4,753
March	911	0	100%	33,245	36	$0.096	$3,192	0	0.00	$8.83	$0	853	0.94	$2.00	$1,705	$4,896
April	421	0	100%	32,368	77	$0.096	$3,107	0	0.00	$8.83	$0	296	0.70	$4.20	$1,243	$4,350
May	170	46	100%	42,127	195	$0.096	$4,044	0	0.00	$8.83	$0	245	1.13	$4.28	$1,048	$5,093
June	23	163	100%	58,356	314	$0.096	$5,602	0	0.00	$8.83	$0	238	1.28	$3.96	$942	$6,545
2nd half yr	3730	209		233,694	59	$0.096	$22,435	0	0.00	$8.83	$0	2,578	0.65	$3.41	$8,785	$31,219
TOTAL/YEAR	5944	1091		519,363	74	$0.096	$49,859	0	0.00	$8.83	$0	4,287	0.61	$3.78	$16,194	$66,053

Building Data: 1997

Gross Area (ft)2 34,054

Gross Volume (ft)3 272,432

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,772,586
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	439,374
TOTAL BTU's x 1,000	2,211,960

Energy Utilization Index =

Total BTU Consumption/Yr	2,211,960,369	
Gross Area (ft) 2	34,054	
Divided by 100,000 =	0.6495	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.48	
WATER COST TOTAL/YEAR		$2,817
WATER / SQ. FT. / YEAR	$0.08	
UTILITY COST/YEAR		$68,871

BUILDING: Larimer Athletic Complex
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	85,780	273	$0.075	$6,394	0	0.00	$8.83	$0	35	0.11	$4.05	$142	$6,536
August	0	319	100%	54,565	171	$0.075	$4,113	0	0.00	$8.83	$0	44	0.14	$3.72	$164	$4,276
September	60	191	100%	95,600	381	$0.079	$7,505	17	0.07	$8.83	$150	56	0.22	$3.45	$193	$7,849
October	391	57	100%	130,310	291	$0.078	$10,124	111	0.25	$8.83	$980	51	0.11	$3.34	$170	$11,274
November	841	1	100%	108,610	129	$0.073	$7,925	239	0.28	$8.83	$2,108	67	0.08	$3.18	$213	$10,246
December	922	0	100%	129,970	141	$0.073	$9,439	262	0.28	$8.83	$2,311	53	0.06	$3.13	$166	$11,916
1st half yr	2214	882		604,835	195	$0.075	$45,500	629	0.20	$8.83	$5,550	306	0.10	$3.42	$1,048	$52,097
January	1242	0	100%	100,390	81	$0.073	$7,303	353	0.28	$8.83	$3,113	36	0.03	$3.38	$122	$10,538
February	963	0	100%	105,490	110	$0.074	$7,847	273	0.28	$8.83	$2,414	48	0.05	$3.25	$156	$10,416
March	911	0	100%	104,260	114	$0.074	$7,685	259	0.28	$8.83	$2,283	47	0.05	$2.86	$134	$10,102
April	421	0	100%	121,110	288	$0.081	$9,830	120	0.28	$8.83	$1,055	51	0.12	$3.24	$165	$11,050
May	170	46	100%	105,740	490	$0.082	$8,686	48	0.22	$8.83	$426	37	0.17	$2.94	$109	$9,221
June	23	163	100%	120,670	649	$0.082	$9,913	7	0.04	$8.83	$58	40	0.22	$2.88	$115	$10,086
2nd half yr	3730	209		657,660	167	$0.078	$51,264	1,059	0.27	$8.83	$9,350	259	0.07	$3.09	$801	$61,415
TOTAL/YEAR	5944	1091		1,262,495	179	$0.077	$96,764	1,688	0.24	$8.83	$14,899	565	0.08	$3.27	$1,849	$113,512

Building Data: 1990

Gross Area (ft)2 32,139

Gross Volume (ft)3 257,112

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	4,308,895
Natural Gas = MCF X 102,500	1,687,753
Natural Gas = MCF X 102,500	57,913
TOTAL BTU's x 1,000	6,054,561

Energy Utilization Index =

Total BTU Consumption/Yr	6,054,560,748
Gross Area (ft) 2	32,139
Divided by 100,000 =	1.8839 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.06	
WATER COST TOTAL/YEAR		$17,353
WATER / SQ. FT. / YEAR	$0.54	
UTILITY COST/YEAR		$130,864

BUILDING: Law Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	249,342	794	$0.075	$18,585	0	0.00	$8.83	$0	1	0.00	$31.96	$32	$18,617
August	0	319	100%	269,951	846	$0.075	$20,347	0	0.00	$8.83	$0	0	0.00	$0.00	$31	$20,377
September	60	191	100%	280,911	1,119	$0.079	$22,054	66	0.26	$8.83	$587	1	0.00	$31.31	$31	$22,672
October	391	57	100%	269,234	601	$0.078	$20,917	433	0.97	$8.83	$3,824	2	0.00	$18.67	$37	$24,778
November	841	1	100%	237,319	282	$0.073	$17,316	932	1.11	$8.83	$8,225	0	0.00	$0.00	$32	$25,572
December	922	0	100%	254,343	276	$0.073	$18,472	1,021	1.11	$8.83	$9,017	32	0.03	$1.00	$32	$27,521
1st half yr	2214	882		1,561,100	504	$0.075	$117,690	2,453	0.79	$8.83	$21,652	36	0.01	$5.41	$195	$139,537
January	1242	0	100%	292,272	235	$0.073	$21,263	1,376	1.11	$8.83	$12,146	0	0.00	$0.00	$31	$33,441
February	963	0	100%	248,079	258	$0.074	$18,453	1,067	1.11	$8.83	$9,418	0	0.00	$0.00	$30	$27,901
March	911	0	100%	299,460	329	$0.074	$22,072	1,009	1.11	$8.83	$8,909	2	0.00	$15.23	$30	$31,011
April	421	0	100%	259,051	615	$0.081	$21,026	466	1.11	$8.83	$4,117	2	0.00	$15.47	$31	$25,174
May	170	46	100%	281,148	1,302	$0.082	$23,096	188	0.87	$8.83	$1,663	0	0.00	$79.75	$32	$24,790
June	23	163	100%	288,827	1,553	$0.082	$23,727	25	0.14	$8.83	$225	1	0.00	$54.75	$33	$23,984
2nd half yr	3730	209		1,668,836	424	$0.078	$129,636	4,132	1.05	$8.83	$36,478	5	0.00	$37.41	$187	$166,301
TOTAL/YEAR	5944	1091		3,229,936	459	$0.077	$247,327	6,585	0.94	$8.83	$58,130	41	0.01	$9.31	$382	$305,838

Building Data: 1972

Gross Area (ft)2 125,392

Gross Volume (ft)3 1,003,136

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	11,023,772
Steam = M (lbs) X 1,000,000	6,584,856
Natural Gas = MCF X 102,500	4,203
TOTAL BTU's x 1,000	17,612,831

Energy Utilization Index =

Total BTU Consumption/Yr	17,612,830,711	
Gross Area (ft) 2	125,392	
Divided by 100,000 =	1.4046	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$9,766
WATER / SQ. FT. / YEAR	$0.08	
UTILITY COST/YEAR		$315,604

BUILDING: Libby Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	9,419	30	$0.075	$702	0	0.00	$8.83	$0	8	0.03	$8.46	$68	$770
August	0	319	100%	9,943	31	$0.075	$749	0	0.00	$8.83	$0	8	0.03	$8.40	$67	$817
September	60	191	100%	11,274	45	$0.079	$885	9	0.04	$8.83	$78	8	0.03	$8.73	$70	$1,033
October	391	57	100%	11,971	27	$0.078	$930	58	0.13	$8.83	$511	8	0.02	$8.61	$69	$1,510
November	841	1	100%	10,273	12	$0.073	$750	125	0.15	$8.83	$1,100	11	0.01	$7.42	$82	$1,931
December	922	0	100%	13,825	15	$0.073	$1,004	137	0.15	$8.83	$1,206	11	0.01	$7.55	$83	$2,293
1st half yr	2214	882		66,705	22	$0.075	$5,020	328	0.11	$8.83	$2,895	54	0.02	$8.12	$438	$8,354
January	1242	0	100%	9,171	7	$0.073	$667	184	0.15	$8.83	$1,624	9	0.01	$8.40	$76	$2,367
February	963	0	100%	7,706	8	$0.074	$573	143	0.15	$8.83	$1,259	9	0.01	$8.13	$76	$1,908
March	911	0	100%	10,483	12	$0.074	$773	135	0.15	$8.83	$1,191	9	0.01	$8.16	$75	$2,039
April	421	0	100%	10,184	24	$0.081	$827	62	0.15	$8.83	$551	10	0.02	$7.82	$81	$1,458
May	170	46	100%	12,502	58	$0.082	$1,027	25	0.12	$8.83	$222	9	0.04	$8.15	$77	$1,326
June	23	163	100%	11,287	61	$0.082	$927	3	0.02	$8.83	$30	10	0.05	$7.94	$80	$1,038
2nd half yr	3730	209		61,333	16	$0.078	$4,794	553	0.14	$8.83	$4,878	57	0.01	$8.09	$464	$10,135
TOTAL/YEAR	5944	1091		128,038	18	$0.077	$9,814	881	0.13	$8.83	$7,773	111	0.02	$8.10	$902	$18,489

Building Data: 1935

Gross Area (ft)2 16,767

Gross Volume (ft)3 134,136

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	436,994
Steam = M (lbs) X 1,000,000	880,505
Natural Gas = MCF X 102,500	11,408
TOTAL BTU's x 1,000	1,328,907

Energy Utilization Index =

Total BTU Consumption/Yr	1,328,907,172
Gross Area (ft) 2	16,767
Divided by 100,000 =	0.7926 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.05	
WATER COST TOTAL/YEAR		$2,804
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$21,293

BUILDING: MacKinnon Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	10,760	34	$0.075	$802	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$802
August	0	319	100%	14,377	45	$0.075	$1,084	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,084
September	60	191	100%	16,270	65	$0.079	$1,277	22	0.09	$8.83	$196	0	0.00	$0.00	$0	$1,473
October	391	57	100%	17,731	40	$0.078	$1,378	144	0.32	$8.83	$1,274	0	0.00	$0.00	$0	$2,652
November	841	1	100%	17,998	21	$0.073	$1,313	310	0.37	$8.83	$2,741	0	0.00	$0.00	$0	$4,054
December	922	0	100%	17,482	19	$0.073	$1,270	340	0.37	$8.83	$3,005	0	0.00	$0.00	$0	$4,274
1st half yr	2214	882		94,617	31	$0.075	$7,123	817	0.26	$8.83	$7,216	0	0.00	$0.00	$0	$14,339
January	1242	0	100%	18,944	15	$0.073	$1,378	459	0.37	$8.83	$4,048	0	0.00	$0.00	$0	$5,426
February	963	0	100%	15,974	17	$0.074	$1,188	356	0.37	$8.83	$3,138	0	0.00	$0.00	$0	$4,327
March	911	0	100%	18,320	20	$0.074	$1,350	336	0.37	$8.83	$2,969	0	0.00	$0.00	$0	$4,319
April	421	0	100%	16,027	38	$0.081	$1,301	155	0.37	$8.83	$1,372	0	0.00	$0.00	$0	$2,673
May	170	46	100%	16,640	77	$0.082	$1,367	63	0.29	$8.83	$554	0	0.00	$0.00	$0	$1,921
June	23	163	100%	12,068	65	$0.082	$991	8	0.05	$8.83	$75	0	0.00	$0.00	$0	$1,066
2nd half yr	3730	209		97,973	25	$0.077	$7,576	1,377	0.35	$8.83	$12,156	0	0.00	$0.00	$0	$19,732
TOTAL/YEAR	5944	1091		192,589	27	$0.076	$14,699	2,194	0.31	$8.83	$19,372	0	0.00	$0.00	$0	$34,071

Building Data: 1938

Gross Area (ft)2 41,787

Gross Volume (ft)3 334,296

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	657,308
Steam = M (lbs) X 1,000,000	2,194,409
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	2,851,717

Energy Utilization Index =

Total BTU Consumption/Yr 2,851,717,452
Gross Area (ft) 2 41,787

Divided by 100,000 = 0.6824 THERMS

CHILLED WATER COST/YEAR		$10,200
ENERGY COST / SQ. FT. / YEAR	$0.24	
WATER COST TOTAL/YEAR		$9,438
WATER / SQ. FT. / YEAR	$0.23	
UTILITY COST/YEAR		$53,709

BUILDING: Main Campus Medical Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	15,460	49	$0.075	$1,152	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,152
August	0	319	100%	16,610	52	$0.075	$1,252	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,252
September	60	191	100%	11,910	47	$0.079	$935	7	0.03	$8.83	$59	0	0.00	$0.00	$0	$994
October	391	57	100%	12,750	28	$0.078	$991	43	0.10	$8.83	$383	0	0.00	$0.00	$0	$1,374
November	841	1	100%	12,610	15	$0.073	$920	93	0.11	$8.83	$825	0	0.00	$0.00	$0	$1,745
December	922	0	100%	12,610	14	$0.073	$916	102	0.11	$8.83	$904	0	0.00	$0.00	$0	$1,820
1st half yr	2214	882		81,950	26	$0.075	$6,166	246	0.08	$8.83	$2,171	0	0.00	$0.00	$0	$8,337
January	1242	0	100%	10,710	9	$0.073	$779	138	0.11	$8.83	$1,218	0	0.00	$0.00	$0	$1,997
February	963	0	100%	9,420	10	$0.074	$701	107	0.11	$8.83	$944	0	0.00	$0.00	$0	$1,645
March	911	0	100%	9,200	10	$0.074	$678	101	0.11	$8.83	$893	0	0.00	$0.00	$0	$1,571
April	421	0	100%	12,050	29	$0.081	$978	47	0.11	$8.83	$413	0	0.00	$0.00	$0	$1,391
May	170	46	100%	15,810	73	$0.082	$1,299	19	0.09	$8.83	$167	0	0.00	$0.00	$0	$1,465
June	23	163	100%	21,030	113	$0.082	$1,728	3	0.01	$8.83	$23	0	0.00	$0.00	$0	$1,750
2nd half yr	3730	209		78,220	20	$0.079	$6,162	414	0.11	$8.83	$3,658	0	0.00	$0.00	$0	$9,820
TOTAL/YEAR	5944	1091		160,170	23	$0.077	$12,328	660	0.09	$8.83	$5,829	0	0.00	$0.00	$0	$18,157

Building Data: 1991

Gross Area (ft)2 12,574

Gross Volume (ft)3 100,592

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	546,660
Steam = M (lbs) X 1,000,000	660,313
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	1,206,973

Energy Utilization Index =

Total BTU Consumption/Yr	1,206,973,346
Gross Area (ft) 2	12,574
Divided by 100,000 =	0.9599 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$5,748
WATER / SQ. FT. / YEAR	$0.46	
UTILITY COST/YEAR		$23,905

BUILDING: McComas Village
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	17,351	55	$0.075	$1,293	0	0.00	$8.83	$0	12	0.04	$38.34	$460	$1,753
August	0	319	100%	57,655	181	$0.075	$4,346	0	0.00	$8.83	$0	62	0.19	$11.08	$687	$5,032
September	60	191	100%	68,128	271	$0.079	$5,349	0	0.00	$8.83	$0	87	0.35	$10.47	$911	$6,260
October	391	57	100%	57,844	129	$0.078	$4,494	0	0.00	$8.83	$0	185	0.41	$7.45	$1,378	$5,872
November	841	1	100%	51,364	61	$0.073	$3,748	0	0.00	$8.83	$0	450	0.53	$5.93	$2,668	$6,416
December	922	0	100%	39,130	42	$0.073	$2,842	0	0.00	$8.83	$0	399	0.43	$6.08	$2,425	$5,267
1st half yr	2214	882		291,472	94	$0.076	$22,071	0	0.00	$8.83	$0	1,195	0.39	$7.14	$8,529	$30,600
January	1242	0	100%	48,656	39	$0.073	$3,540	0	0.00	$8.83	$0	572	0.46	$5.70	$3,260	$6,800
February	963	0	100%	43,168	45	$0.074	$3,211	0	0.00	$8.83	$0	455	0.47	$5.94	$2,702	$5,913
March	911	0	100%	49,973	55	$0.074	$3,683	0	0.00	$8.83	$0	275	0.30	$6.73	$1,850	$5,534
April	421	0	100%	47,911	114	$0.081	$3,889	0	0.00	$8.83	$0	136	0.32	$8.66	$1,178	$5,066
May	170	46	100%	21,087	98	$0.082	$1,732	0	0.00	$8.83	$0	19	0.09	$32.18	$611	$2,344
June	23	163	100%	20,202	109	$0.082	$1,660	0	0.00	$8.83	$0	23	0.12	$27.37	$627	$2,286
2nd half yr	3730	209		230,997	59	$0.077	$17,715	0	0.00	$8.83	$0	1,479	0.38	$6.91	$10,228	$27,943
TOTAL/YEAR	5944	1091		522,470	74	$0.076	$39,786	0	0.00	$8.83	$0	2,674	0.38	$7.01	$18,757	$58,543

Building Data: 1990

Gross Area (ft)2 124,533

Gross Volume (ft)3 996,264

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,783,189
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	274,117
TOTAL BTU's x 1,000	2,057,306

Energy Utilization Index =

Total BTU Consumption/Yr	2,057,305,748	
Gross Area (ft) 2	124,533	
Divided by 100,000 =	0.1652	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.15	
WATER COST TOTAL/YEAR		$50,799
WATER / SQ. FT. / YEAR	$0.41	
UTILITY COST/YEAR		$109,341

BUILDING: McMaster Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	61,889	197	$0.075	$4,613	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,613
August	0	319	100%	70,816	222	$0.075	$5,338	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,338
September	60	191	100%	72,859	290	$0.079	$5,720	36	0.14	$8.83	$314	0	0.00	$0.00	$0	$6,034
October	391	57	100%	71,968	161	$0.078	$5,591	232	0.52	$8.83	$2,049	0	0.00	$0.00	$0	$7,640
November	841	1	100%	74,833	89	$0.073	$5,460	499	0.59	$8.83	$4,407	0	0.00	$0.00	$0	$9,868
December	922	0	100%	73,129	79	$0.073	$5,311	547	0.59	$8.83	$4,832	0	0.00	$0.00	$0	$10,143
1st half yr	2214	882		425,493	137	$0.075	$32,033	1,314	0.42	$8.83	$11,603	0	0.00	$0.00	$0	$43,636
January	1242	0	100%	76,965	62	$0.073	$5,599	737	0.59	$8.83	$6,509	0	0.00	$0.00	$0	$12,108
February	963	0	100%	67,563	70	$0.074	$5,026	572	0.59	$8.83	$5,047	0	0.00	$0.00	$0	$10,072
March	911	0	100%	80,105	88	$0.074	$5,904	541	0.59	$8.83	$4,774	0	0.00	$0.00	$0	$10,678
April	421	0	100%	70,179	167	$0.081	$5,696	250	0.59	$8.83	$2,206	0	0.00	$0.00	$0	$7,902
May	170	46	100%	70,539	327	$0.082	$5,795	101	0.47	$8.83	$891	0	0.00	$0.00	$0	$6,686
June	23	163	100%	76,772	413	$0.082	$6,307	14	0.07	$8.83	$121	0	0.00	$0.00	$0	$6,427
2nd half yr	3730	209		442,123	112	$0.078	$34,327	2,214	0.56	$8.83	$19,547	0	0.00	$0.00	$0	$53,874
TOTAL/YEAR	5944	1091		867,616	123	$0.076	$66,360	3,529	0.50	$8.83	$31,150	0	0.00	$0.00	$0	$97,510

Building Data: 1987

Gross Area (ft)2 67,194

Gross Volume (ft)3 537,552

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	2,961,174
Steam = M (lbs) X 1,000,000	3,528,637
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	6,489,811

Energy Utilization Index =

Total BTU Consumption/Yr	6,489,811,137
Gross Area (ft) 2	67,194
Divided by 100,000 =	0.9658 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$2,185
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$99,695

BUILDING: Memorial Field House
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	86,064	274	$0.075	$6,415	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$6,415
August	0	319	100%	95,284	299	$0.075	$7,182	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,182
September	60	191	100%	96,106	383	$0.079	$7,545	83	0.33	$8.83	$730	0	0.00	$0.00	$0	$8,275
October	391	57	100%	94,751	211	$0.078	$7,361	539	1.20	$8.83	$4,759	0	0.00	$0.00	$0	$12,121
November	841	1	100%	100,572	119	$0.073	$7,338	1,160	1.38	$8.83	$10,237	0	0.00	$0.00	$0	$17,575
December	922	0	100%	80,816	88	$0.073	$5,869	1,271	1.38	$8.83	$11,223	0	0.00	$0.00	$0	$17,092
1st half yr	2214	882		553,592	179	$0.075	$41,711	3,053	0.99	$8.83	$26,950	0	0.00	$0.00	$0	$68,660
January	1242	0	100%	88,005	71	$0.073	$6,402	1,713	1.38	$8.83	$15,118	0	0.00	$0.00	$0	$21,521
February	963	0	100%	83,364	87	$0.074	$6,201	1,328	1.38	$8.83	$11,722	0	0.00	$0.00	$0	$17,923
March	911	0	100%	83,364	92	$0.074	$6,144	1,256	1.38	$8.83	$11,089	0	0.00	$0.00	$0	$17,234
April	421	0	100%	83,364	198	$0.081	$6,766	581	1.38	$8.83	$5,125	0	0.00	$0.00	$0	$11,891
May	170	46	100%	83,364	386	$0.082	$6,848	234	1.09	$8.83	$2,069	0	0.00	$0.00	$0	$8,918
June	23	163	100%	83,364	448	$0.082	$6,848	32	0.17	$8.83	$280	0	0.00	$0.00	$0	$7,128
2nd half yr	3730	209		504,826	128	$0.078	$39,211	5,143	1.31	$8.83	$45,403	0	0.00	$0.00	$0	$84,614
TOTAL/YEAR	5944	1091		1,058,419	150	$0.076	$80,921	8,196	1.17	$8.83	$72,353	0	0.00	$0.00	$0	$153,274

Building Data: 1931

Gross Area (ft)2 156,074

Gross Volume (ft)3 1,248,592

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,612,383
Steam = M (lbs) X 1,000,000	8,196,096
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	11,808,480

Energy Utilization Index =

Total BTU Consumption/Yr	11,808,479,600
Gross Area (ft) 2	156,074
Divided by 100,000 =	0.7566 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$56,223
WATER / SQ. FT. / YEAR	$0.36	
UTILITY COST/YEAR		$209,497

BUILDING: Nitschke Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	156,450	498	$0.075	$11,661	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$11,661
August	0	319	100%	129,300	405	$0.075	$9,746	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$9,746
September	60	191	100%	104,290	415	$0.079	$8,188	70	0.28	$8.83	$618	0	0.00	$0.00	$0	$8,806
October	391	57	100%	109,070	243	$0.078	$8,474	457	1.02	$8.83	$4,030	0	0.00	$0.00	$0	$12,504
November	841	1	100%	91,720	109	$0.073	$6,692	982	1.17	$8.83	$8,668	0	0.00	$0.00	$0	$15,361
December	922	0	100%	132,000	143	$0.073	$9,587	1,077	1.17	$8.83	$9,503	0	0.00	$0.00	$0	$19,090
1st half yr	2214	882		722,830	233	$0.075	$54,347	2,585	0.83	$8.83	$22,820	0	0.00	$0.00	$0	$77,168
January	1242	0	100%	107,210	86	$0.073	$7,800	1,450	1.17	$8.83	$12,802	0	0.00	$0.00	$0	$20,601
February	963	0	100%	133,160	138	$0.074	$9,905	1,124	1.17	$8.83	$9,926	0	0.00	$0.00	$0	$19,831
March	911	0	100%	76,460	84	$0.074	$5,636	1,064	1.17	$8.83	$9,390	0	0.00	$0.00	$0	$15,025
April	421	0	100%	125,760	299	$0.081	$10,207	492	1.17	$8.83	$4,339	0	0.00	$0.00	$0	$14,547
May	170	46	100%	118,160	547	$0.082	$9,707	198	0.92	$8.83	$1,752	0	0.00	$0.00	$0	$11,459
June	23	163	100%	168,710	907	$0.082	$13,859	27	0.14	$8.83	$237	0	0.00	$0.00	$0	$14,096
2nd half yr	3730	209		729,460	185	$0.078	$57,113	4,355	1.11	$8.83	$38,446	0	0.00	$0.00	$0	$95,560
TOTAL/YEAR	5944	1091		1,452,290	206	$0.077	$111,461	6,940	0.99	$8.83	$61,267	0	0.00	$0.00	$0	$172,727

Building Data: 1993

Gross Area (ft)2 132,159

Gross Volume (ft)3 1,057,272

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	4,956,666
Steam = M (lbs) X 1,000,000	6,940,220
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	11,896,886

Energy Utilization Index =

Total BTU Consumption/Yr	11,896,885,567
Gross Area (ft) 2	132,159
Divided by 100,000 =	0.9002 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$38,978
WATER / SQ. FT. / YEAR	$0.29	
UTILITY COST/YEAR		$211,706

BUILDING: Nitschke Technology Commercialization Complex DATE : 11/27/19
FY YEAR: 2019

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	31,592	101	$0.075	$2,355	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$2,383
August	0	319	100%	30,426	95	$0.075	$2,293	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$2,321
September	60	191	100%	24,010	96	$0.079	$1,885	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$1,913
October	391	57	100%	24,340	54	$0.078	$1,891	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$1,919
November	841	1	100%	39,291	47	$0.073	$2,867	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$2,896
December	922	0	100%	33,593	36	$0.073	$2,440	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$2,469
1st half yr	2214	882		183,253	59	$0.075	$13,731	0	0.00	$8.83	$0	0	0.00	$0.00	$171	$13,902
January	1242	0	100%	45,677	37	$0.073	$3,323	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$3,353
February	963	0	100%	67,738	70	$0.074	$5,039	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$5,068
March	911	0	100%	45,126	50	$0.074	$3,326	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$3,356
April	421	0	100%	33,119	79	$0.081	$2,688	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$2,718
May	170	46	100%	48,285	224	$0.082	$3,967	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$3,997
June	23	163	100%	42,287	227	$0.082	$3,474	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$3,504
2nd half yr	3730	209		282,234	72	$0.077	$21,816	0	0.00	$8.83	$0	0	0.00	$0.00	$179	$21,995
TOTAL/YEAR	5944	1091		465,486	66	$0.076	$35,547	0	0.00	$8.83	$0	0	0.00	$0.00	$350	$35,897

Building Data: 2010

Gross Area (ft)2 39,961

Gross Volume (ft)3 319,688

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,588,705
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	1,588,705

Energy Utilization Index =

Total BTU Consumption/Yr	1,588,704,826	
Gross Area (ft) 2	39,961	
Divided by 100,000 =	0.3976	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.01	
WATER COST TOTAL/YEAR		$5,354
WATER / SQ. FT. / YEAR	$0.13	
UTILITY COST/YEAR		$41,251

BUILDING: North Engineering
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	324,425	1,033	$0.075	$24,182	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$24,182
August	0	319	100%	366,521	1,149	$0.075	$27,625	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$27,625
September	60	191	100%	334,193	1,331	$0.079	$26,237	134	0.53	$8.83	$1,183	0	0.00	$0.00	$0	$27,420
October	391	57	100%	284,115	634	$0.078	$22,073	874	1.95	$8.83	$7,712	0	0.00	$0.00	$0	$29,785
November	841	1	100%	233,002	277	$0.073	$17,001	1,879	2.23	$8.83	$16,588	0	0.00	$0.00	$0	$33,589
December	922	0	100%	240,579	261	$0.073	$17,472	2,060	2.23	$8.83	$18,185	0	0.00	$0.00	$0	$35,658
1st half yr	2214	882		1,782,835	576	$0.075	$134,590	4,947	1.60	$8.83	$43,668	0	0.00	$0.00	$0	$178,258
January	1242	0	100%	233,429	188	$0.073	$16,982	2,775	2.23	$8.83	$24,497	0	0.00	$0.00	$0	$41,479
February	963	0	100%	184,202	191	$0.074	$13,702	2,152	2.23	$8.83	$18,994	0	0.00	$0.00	$0	$32,696
March	911	0	100%	243,399	267	$0.074	$17,940	2,035	2.23	$8.83	$17,968	0	0.00	$0.00	$0	$35,908
April	421	0	100%	234,961	558	$0.081	$19,071	941	2.23	$8.83	$8,304	0	0.00	$0.00	$0	$27,374
May	170	46	100%	305,101	1,413	$0.082	$25,064	380	1.76	$8.83	$3,353	0	0.00	$0.00	$0	$28,417
June	23	163	100%	375,119	2,017	$0.082	$30,815	51	0.28	$8.83	$454	0	0.00	$0.00	$0	$31,269
2nd half yr	3730	209		1,576,212	400	$0.078	$123,573	8,334	2.12	$8.83	$73,569	0	0.00	$0.00	$0	$197,143
TOTAL/YEAR	5944	1091		3,359,047	477	$0.077	$258,163	13,281	1.89	$8.83	$117,238	0	0.00	$0.00	$0	$375,401

Building Data: 1954

Gross Area (ft)2 252,894

Gross Volume (ft)3 2,023,152

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	11,464,428
Steam = M (lbs) X 1,000,000	13,280,518
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	24,744,946

Energy Utilization Index =

Total BTU Consumption/Yr	24,744,945,723
Gross Area (ft) 2	252,894
Divided by 100,000 =	0.9785 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$74,587
WATER / SQ. FT. / YEAR	$0.29	
UTILITY COST/YEAR		$449,988

BUILDING: Ottawa House E&W
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	177,987	567	$0.075	$13,267	0	0.00	$8.83	$0	295	0.94	$6.43	$1,896	$15,163
August	0	319	100%	211,672	664	$0.075	$15,954	0	0.00	$8.83	$0	497	1.56	$6.21	$3,086	$19,040
September	60	191	100%	257,490	1,026	$0.079	$20,215	144	0.57	$8.83	$1,270	655	2.61	$6.59	$4,318	$25,802
October	391	57	100%	252,656	564	$0.078	$19,629	937	2.09	$8.83	$8,273	660	1.47	$6.72	$4,433	$32,335
November	841	1	100%	229,321	272	$0.073	$16,732	2,016	2.39	$8.83	$17,794	719	0.85	$7.82	$5,623	$40,150
December	922	0	100%	263,244	286	$0.073	$19,119	2,210	2.40	$8.83	$19,508	198	0.21	$9.03	$1,788	$40,415
1st half yr	2214	882		1,392,372	450	$0.075	$104,916	5,307	1.71	$8.83	$46,845	3,024	0.98	$6.99	$21,144	$172,905
January	1242	0	100%	218,162	176	$0.073	$15,872	2,977	2.40	$8.83	$26,279	467	0.38	$7.45	$3,480	$45,630
February	963	0	100%	196,509	204	$0.074	$14,617	2,308	2.40	$8.83	$20,376	424	0.44	$6.81	$2,886	$37,879
March	911	0	100%	248,037	272	$0.074	$18,282	2,184	2.40	$8.83	$19,276	775	0.85	$7.51	$5,813	$43,371
April	421	0	100%	225,642	536	$0.081	$18,314	1,009	2.40	$8.83	$8,908	50	0.12	$47.63	$2,381	$29,603
May	170	46	100%	168,118	778	$0.082	$13,811	407	1.89	$8.83	$3,597	136	0.63	$8.30	$1,130	$18,537
June	23	163	100%	180,411	970	$0.082	$14,820	55	0.30	$8.83	$487	309	1.66	$7.67	$2,372	$17,679
2nd half yr	3730	209		1,236,878	314	$0.077	$95,716	8,940	2.27	$8.83	$78,922	2,161	0.55	$8.36	$18,062	$192,699
TOTAL/YEAR	5944	1091		2,629,250	374	$0.076	$200,631	14,247	2.03	$8.83	$125,767	5,185	0.74	$7.56	$39,206	$365,604

Building Data: 2005

Gross Area (ft)2 271,293

Gross Volume (ft)3 2,170,344

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	8,973,630
Steam = M (lbs) X 1,000,000	14,246,726
Natural Gas = MCF X 102,500	531,430
TOTAL BTU's x 1,000	23,751,785

Energy Utilization Index =

Total BTU Consumption/Yr	23,751,785,499
Gross Area (ft) 2	271,293
Divided by 100,000 =	0.8755 THERMS

CHILLED WATER COST/YEAR		$71,100
ENERGY COST / SQ. FT. / YEAR	$0.41	
WATER COST TOTAL/YEAR		$108,073
WATER / SQ. FT. / YEAR	$0.40	
UTILITY COST/YEAR		$544,778

BUILDING: Palmer Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	97,159	309	$0.075	$7,242	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,242
August	0	319	100%	109,573	343	$0.075	$8,259	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$8,259
September	60	191	100%	101,649	405	$0.079	$7,980	36	0.14	$8.83	$314	0	0.00	$0.00	$0	$8,294
October	391	57	100%	102,904	230	$0.078	$7,995	232	0.52	$8.83	$2,044	0	0.00	$0.00	$0	$10,039
November	841	1	100%	88,294	105	$0.073	$6,442	498	0.59	$8.83	$4,397	0	0.00	$0.00	$0	$10,840
December	922	0	100%	83,609	91	$0.073	$6,072	546	0.59	$8.83	$4,821	0	0.00	$0.00	$0	$10,893
1st half yr	2214	882		583,188	188	$0.075	$43,990	1,311	0.42	$8.83	$11,576	0	0.00	$0.00	$0	$55,566
January	1242	0	100%	87,163	70	$0.073	$6,341	736	0.59	$8.83	$6,494	0	0.00	$0.00	$0	$12,835
February	963	0	100%	75,908	79	$0.074	$5,646	570	0.59	$8.83	$5,035	0	0.00	$0.00	$0	$10,682
March	911	0	100%	82,754	91	$0.074	$6,099	540	0.59	$8.83	$4,763	0	0.00	$0.00	$0	$10,863
April	421	0	100%	76,555	182	$0.081	$6,214	249	0.59	$8.83	$2,201	0	0.00	$0.00	$0	$8,415
May	170	46	100%	79,482	368	$0.082	$6,529	101	0.47	$8.83	$889	0	0.00	$0.00	$0	$7,418
June	23	163	100%	109,467	589	$0.082	$8,993	14	0.07	$8.83	$120	0	0.00	$0.00	$0	$9,113
2nd half yr	3730	209		511,329	130	$0.078	$39,822	2,209	0.56	$8.83	$19,503	0	0.00	$0.00	$0	$59,325
TOTAL/YEAR	5944	1091		1,094,516	156	$0.077	$83,812	3,521	0.50	$8.83	$31,079	0	0.00	$0.00	$0	$114,891

Building Data: 1971

Gross Area (ft)2 67,040

Gross Volume (ft)3 536,320

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,735,584
Steam = M (lbs) X 1,000,000	3,520,550
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	7,256,134

Energy Utilization Index =

Total BTU Consumption/Yr	7,256,133,543
Gross Area (ft) 2	67,040
Divided by 100,000 =	1.0824 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$19,772
WATER / SQ. FT. / YEAR	$0.29	
UTILITY COST/YEAR		$134,664

BUILDING: Parks Tower
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	125,981	401	$0.075	$9,390	0	0.00	$8.83	$0	2	0.01	$4.05	$8	$9,398
August	0	319	100%	175,553	550	$0.075	$13,232	0	0.00	$8.83	$0	4	0.01	$3.72	$15	$13,247
September	60	191	100%	193,449	771	$0.079	$15,187	88	0.35	$8.83	$778	3	0.01	$3.45	$10	$15,975
October	391	57	100%	202,045	451	$0.078	$15,697	574	1.28	$8.83	$5,069	11	0.02	$3.34	$37	$20,802
November	841	1	100%	201,878	240	$0.073	$14,730	1,235	1.47	$8.83	$10,902	23	0.03	$3.18	$73	$25,705
December	922	0	100%	189,053	205	$0.073	$13,730	1,354	1.47	$8.83	$11,952	6	0.01	$3.13	$19	$25,701
1st half yr	2214	882		1,087,960	351	$0.075	$81,967	3,251	1.05	$8.83	$28,701	49	0.02	$3.30	$162	$110,829
January	1242	0	100%	208,140	168	$0.073	$15,142	1,824	1.47	$8.83	$16,100	1	0.00	$3.39	$3	$31,246
February	963	0	100%	178,127	185	$0.074	$13,250	1,414	1.47	$8.83	$12,484	249	0.26	$3.25	$808	$26,542
March	911	0	100%	206,995	227	$0.074	$15,257	1,338	1.47	$8.83	$11,810	10	0.01	$3.11	$31	$27,097
April	421	0	100%	181,824	432	$0.081	$14,758	618	1.47	$8.83	$5,458	16	0.04	$3.24	$52	$20,267
May	170	46	100%	156,727	726	$0.082	$12,875	250	1.16	$8.83	$2,204	17	0.08	$2.94	$50	$15,129
June	23	163	100%	150,165	807	$0.082	$12,336	34	0.18	$8.83	$298	6	0.03	$2.88	$17	$12,651
2nd half yr	3730	209		1,081,979	275	$0.077	$83,617	5,477	1.39	$8.83	$48,353	299	0.08	$3.22	$962	$132,932
TOTAL/YEAR	5944	1091		2,169,939	308	$0.076	$165,584	8,729	1.24	$8.83	$77,054	348	0.05	$3.23	$1,124	$243,761

Building Data: 1971

Gross Area (ft)2 166,213

Gross Volume (ft)3 1,329,704

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	7,406,001
Steam = M (lbs) X 1,000,000	8,728,537
Natural Gas = MCF X 102,500	35,670
TOTAL BTU's x 1,000	16,170,209

Energy Utilization Index =

Total BTU Consumption/Yr	16,170,208,584
Gross Area (ft) 2	166,213
Divided by 100,000 =	0.9729 THERMS

CHILLED WATER COST/YEAR		$43,600
ENERGY COST / SQ. FT. / YEAR	$0.27	
WATER COST TOTAL/YEAR		$74,051
WATER / SQ. FT. / YEAR	$0.45	
UTILITY COST/YEAR		$361,413

BUILDING: Peterson House
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	1,200	4	$0.121	$145	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$175
August	0	319	100%	3,370	11	$0.121	$408	0	0.00	$8.83	$0	0	0.00	$0.00	$30	$438
September	60	191	100%	1,330	5	$0.121	$161	0	0.00	$8.83	$0	0	0.00	$0.00	$29	$190
October	391	57	100%	2,040	5	$0.121	$247	0	0.00	$8.83	$0	14	0.03	$6.61	$92	$339
November	841	1	100%	2,240	3	$0.121	$271	0	0.00	$8.83	$0	28	0.03	$5.64	$158	$429
December	922	0	100%	2,420	3	$0.121	$293	0	0.00	$8.83	$0	25	0.03	$5.84	$146	$439
1st half yr	2214	882		12,600	4	$0.121	$1,525	0	0.00	$8.83	$0	67	0.02	$7.25	$486	$2,010
January	1242	0	100%	2,010	2	$0.121	$243	0	0.00	$8.83	$0	33	0.03	$5.54	$183	$426
February	963	0	100%	1,860	2	$0.121	$225	0	0.00	$8.83	$0	26	0.03	$5.81	$151	$376
March	911	0	100%	1,743	2	$0.121	$211	0	0.00	$8.83	$0	12	0.01	$7.07	$87	$298
April	421	0	100%	1,745	4	$0.121	$211	0	0.00	$8.83	$0	5	0.01	$10.63	$53	$264
May	170	46	100%	1,069	5	$0.121	$129	0	0.00	$8.83	$0	0	0.00	$79.75	$32	$161
June	23	163	100%	1,621	9	$0.121	$196	0	0.00	$8.83	$0	0	0.00	$79.75	$32	$228
2nd half yr	3730	209		10,048	3	$0.121	$1,216	0	0.00	$8.83	$0	77	0.02	$6.98	$538	$1,754
TOTAL/YEAR	5944	1091		22,648	3	$0.121	$2,740	0	0.00	$8.83	$0	144	0.02	$7.10	$1,024	$3,764

Building Data: 1936

Gross Area (ft)2 4,316

Gross Volume (ft)3 34,528

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	77,298
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	14,770
TOTAL BTU's x 1,000	92,068

Energy Utilization Index =

Total BTU Consumption/Yr	92,067,874	
Gross Area (ft) 2	4,316	
Divided by 100,000 =	0.2133	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.24	
WATER COST TOTAL/YEAR		$513
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$4,277

BUILDING: Plant Operations
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	22,849	73	$0.075	$1,703	0	0.00	$8.83	$0	6	0.02	$57.45	$323	$2,026
August	0	319	100%	25,716	81	$0.075	$1,938	0	0.00	$8.83	$0	4	0.01	$74.98	$316	$2,255
September	60	191	100%	21,540	86	$0.079	$1,691	0	0.00	$8.83	$0	5	0.02	$64.43	$317	$2,008
October	391	57	100%	18,585	41	$0.078	$1,444	0	0.00	$8.83	$0	12	0.03	$28.85	$345	$1,789
November	841	1	100%	21,303	25	$0.073	$1,554	0	0.00	$8.83	$0	175	0.21	$5.00	$876	$2,431
December	922	0	100%	30,345	33	$0.073	$2,204	0	0.00	$8.83	$0	495	0.54	$3.76	$1,861	$4,064
1st half yr	2214	882		140,338	45	$0.075	$10,535	0	0.00	$8.83	$0	696	0.22	$5.80	$4,039	$14,573
January	1242	0	100%	31,892	26	$0.073	$2,320	0	0.00	$8.83	$0	511	0.41	$3.99	$2,035	$4,356
February	963	0	100%	25,568	27	$0.074	$1,902	0	0.00	$8.83	$0	645	0.67	$3.76	$2,426	$4,328
March	911	0	100%	29,800	33	$0.074	$2,196	0	0.00	$8.83	$0	465	0.51	$3.65	$1,699	$3,895
April	421	0	100%	18,675	44	$0.081	$1,516	0	0.00	$8.83	$0	198	0.47	$4.92	$972	$2,488
May	170	46	100%	20,701	96	$0.082	$1,701	0	0.00	$8.83	$0	77	0.35	$7.23	$555	$2,255
June	23	163	100%	23,746	128	$0.082	$1,951	0	0.00	$8.83	$0	11	0.06	$32.75	$346	$2,296
2nd half yr	3730	209		150,383	38	$0.077	$11,586	0	0.00	$8.83	$0	1,906	0.48	$4.22	$8,033	$19,618
TOTAL/YEAR	5944	1091		290,722	41	$0.076	$22,120	0	0.00	$8.83	$0	2,602	0.37	$4.64	$12,072	$34,192

Building Data: 1995

Gross Area (ft)2 30,861

Gross Volume (ft)3 246,888

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	992,233
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	266,717
TOTAL BTU's x 1,000	1,258,949

Energy Utilization Index =

Total BTU Consumption/Yr	1,258,949,493
Gross Area (ft) 2	30,861
Divided by 100,000 =	0.4079 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.39	
WATER COST TOTAL/YEAR		$8,502
WATER / SQ. FT. / YEAR	$0.28	
UTILITY COST/YEAR		$42,694

BUILDING: Presidents Hall (The Crossings) DATE : 11/27/19
FY YEAR: 2019

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	346,902	1,105	$0.075	$25,857	0	0.00	$8.83	$0	3	0.01	$4.05	$12	$25,869
August	0	319	100%	359,986	1,128	$0.075	$27,133	0	0.00	$8.83	$0	1	0.00	$3.72	$4	$27,136
September	60	191	100%	230,473	918	$0.079	$18,094	121	0.48	$8.83	$1,072	13	0.05	$3.45	$45	$19,210
October	391	57	100%	182,941	408	$0.078	$14,213	791	1.77	$8.83	$6,983	28	0.06	$3.34	$93	$21,289
November	841	1	100%	182,587	217	$0.073	$13,322	1,701	2.02	$8.83	$15,020	29	0.03	$3.18	$92	$28,434
December	922	0	100%	183,918	199	$0.073	$13,357	1,865	2.02	$8.83	$16,466	21	0.02	$3.13	$66	$29,889
1st half yr	2214	882		1,486,806	480	$0.075	$111,976	4,479	1.45	$8.83	$39,541	95	0.03	$3.29	$312	$151,829
January	1242	0	100%	142,942	115	$0.073	$10,399	2,513	2.02	$8.83	$22,181	4	0.00	$3.38	$14	$32,594
February	963	0	100%	158,245	164	$0.074	$11,771	1,948	2.02	$8.83	$17,199	26	0.03	$3.25	$84	$29,054
March	911	0	100%	154,342	169	$0.074	$11,376	1,843	2.02	$8.83	$16,270	17	0.02	$2.86	$49	$27,694
April	421	0	100%	181,849	432	$0.081	$14,760	852	2.02	$8.83	$7,519	22	0.05	$3.24	$71	$22,350
May	170	46	100%	201,232	932	$0.082	$16,531	344	1.59	$8.83	$3,036	18	0.08	$2.94	$53	$19,620
June	23	163	100%	248,294	1,335	$0.082	$20,397	47	0.25	$8.83	$411	3	0.02	$2.88	$9	$20,816
2nd half yr	3730	209		1,086,904	276	$0.078	$85,234	7,546	1.92	$8.83	$66,615	90	0.02	$3.10	$279	$152,128
TOTAL/YEAR	5944	1091		2,573,710	366	$0.077	$197,210	12,025	1.71	$8.83	$106,156	185	0.03	$3.20	$591	$303,957

Building Data: 2002

Gross Area (ft)2 228,990

Gross Volume (ft)3 1,831,920

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	8,784,072
Steam = M (lbs) X 1,000,000	12,025,219
Natural Gas = MCF X 102,500	18,963
TOTAL BTU's x 1,000	20,828,254

Energy Utilization Index =

Total BTU Consumption/Yr 20,828,253,832
Gross Area (ft) 2 228,990

Divided by 100,000 = 0.9096 THERMS

CHILLED WATER COST/YEAR		$60,000
ENERGY COST / SQ. FT. / YEAR	$0.26	
WATER COST TOTAL/YEAR		$84,567
WATER / SQ. FT. / YEAR	$0.37	
UTILITY COST/YEAR		$448,524

BUILDING: Research and Technology 1 DATE : 11/27/19
FY YEAR: 2019

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	132,445	422	$0.075	$9,872	0	0.00	$8.83	$0	8	0.03	$4.05	$32	$9,904
August	0	319	100%	149,105	467	$0.075	$11,238	0	0.00	$8.83	$0	17	0.05	$3.72	$63	$11,302
September	60	191	100%	108,389	432	$0.079	$8,509	0	0.00	$8.83	$0	22	0.09	$3.45	$76	$8,585
October	391	57	100%	105,707	236	$0.078	$8,212	0	0.00	$8.83	$0	140	0.31	$3.34	$467	$8,680
November	841	1	100%	105,978	126	$0.073	$7,733	0	0.00	$8.83	$0	629	0.75	$3.18	$1,999	$9,732
December	922	0	100%	116,329	126	$0.073	$8,449	0	0.00	$8.83	$0	619	0.67	$3.13	$1,938	$10,386
1st half yr	2214	882		717,954	232	$0.075	$54,013	0	0.00	$8.83	$0	1,435	0.46	$3.19	$4,576	$58,589
January	1242	0	100%	84,436	68	$0.073	$6,143	0	0.00	$8.83	$0	659	0.53	$3.38	$2,229	$8,372
February	963	0	100%	106,983	111	$0.074	$7,958	0	0.00	$8.83	$0	680	0.71	$3.25	$2,207	$10,165
March	911	0	100%	103,053	113	$0.074	$7,596	0	0.00	$8.83	$0	631	0.69	$2.86	$1,804	$9,399
April	421	0	100%	106,673	253	$0.081	$8,658	0	0.00	$8.83	$0	409	0.97	$3.24	$1,324	$9,982
May	170	46	100%	138,761	642	$0.082	$11,399	0	0.00	$8.83	$0	347	1.61	$2.94	$1,020	$12,419
June	23	163	100%	127,884	688	$0.082	$10,505	0	0.00	$8.83	$0	101	0.54	$2.88	$291	$10,796
2nd half yr	3730	209		667,789	170	$0.078	$52,259	0	0.00	$8.83	$0	2,827	0.72	$3.14	$8,875	$61,134
TOTAL/YEAR	5944	1091		1,385,743	197	$0.077	$106,272	0	0.00	$8.83	$0	4,262	0.61	$3.16	$13,451	$119,723

Building Data: 1992

Gross Area (ft)2 55,209

Gross Volume (ft)3 441,672

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	4,729,542
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	436,855
TOTAL BTU's x 1,000	5,166,397

Energy Utilization Index =

Total BTU Consumption/Yr	5,166,396,797
Gross Area (ft) 2	55,209
Divided by 100,000 =	0.9358 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.24	
WATER COST TOTAL/YEAR		$6,585
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$126,308

BUILDING: Ritter
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	10,723	34	$0.075	$799	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$799
August	0	319	100%	12,839	40	$0.075	$968	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$968
September	60	191	100%	13,335	53	$0.079	$1,047	8	0.03	$8.83	$72	0	0.00	$0.00	$0	$1,119
October	391	57	100%	11,755	26	$0.078	$913	53	0.12	$8.83	$467	0	0.00	$0.00	$0	$1,380
November	841	1	100%	11,787	14	$0.073	$860	114	0.14	$8.83	$1,005	0	0.00	$0.00	$0	$1,865
December	922	0	100%	12,252	13	$0.073	$890	125	0.14	$8.83	$1,101	0	0.00	$0.00	$0	$1,991
1st half yr	2214	882		72,691	23	$0.075	$5,477	300	0.10	$8.83	$2,645	0	0.00	$0.00	$0	$8,122
January	1242	0	100%	12,565	10	$0.073	$914	168	0.14	$8.83	$1,484	0	0.00	$0.00	$0	$2,398
February	963	0	100%	10,483	11	$0.074	$780	130	0.14	$8.83	$1,150	0	0.00	$0.00	$0	$1,930
March	911	0	100%	13,182	14	$0.074	$972	123	0.14	$8.83	$1,088	0	0.00	$0.00	$0	$2,060
April	421	0	100%	10,921	26	$0.081	$886	57	0.14	$8.83	$503	0	0.00	$0.00	$0	$1,389
May	170	46	100%	11,645	54	$0.082	$957	23	0.11	$8.83	$203	0	0.00	$0.00	$0	$1,160
June	23	163	100%	11,601	62	$0.082	$953	3	0.02	$8.83	$27	0	0.00	$0.00	$0	$980
2nd half yr	3730	209		70,396	18	$0.078	$5,461	505	0.13	$8.83	$4,456	0	0.00	$0.00	$0	$9,917
TOTAL/YEAR	5944	1091		143,087	20	$0.076	$10,938	804	0.11	$8.83	$7,101	0	0.00	$0.00	$0	$18,039

Building Data: 1965

Gross Area (ft)2 15,317

Gross Volume (ft)3 122,536

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	488,356
Steam = M (lbs) X 1,000,000	804,359
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	1,292,716

Energy Utilization Index =

Total BTU Consumption/Yr	1,292,715,745
Gross Area (ft) 2	15,317
Divided by 100,000 =	0.8440 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$498
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$18,537

BUILDING: Rocket Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	66,040	210	$0.075	$4,922	0	0.00	$8.83	$0	67	0.21	$8.28	$555	$5,477
August	0	319	100%	63,880	200	$0.075	$4,815	0	0.00	$8.83	$0	29	0.09	$14.18	$411	$5,226
September	60	191	100%	57,540	229	$0.079	$4,517	0	0.00	$8.83	$0	12	0.05	$29.18	$350	$4,868
October	391	57	100%	72,880	163	$0.078	$5,662	0	0.00	$8.83	$0	14	0.03	$25.64	$359	$6,021
November	841	1	100%	82,210	98	$0.073	$5,998	0	0.00	$8.83	$0	199	0.24	$4.87	$970	$6,968
December	922	0	100%	82,210	89	$0.073	$5,971	0	0.00	$8.83	$0	380	0.41	$4.04	$1,534	$7,505
1st half yr	2214	882		424,760	137	$0.075	$31,886	0	0.00	$8.83	$0	701	0.23	$5.96	$4,180	$36,065
January	1242	0	100%	79,230	64	$0.073	$5,764	0	0.00	$8.83	$0	477	0.38	$4.10	$1,954	$7,718
February	963	0	100%	79,630	83	$0.074	$5,923	0	0.00	$8.83	$0	517	0.54	$3.95	$2,043	$7,966
March	911	0	100%	78,810	87	$0.074	$5,809	0	0.00	$8.83	$0	472	0.52	$3.71	$1,749	$7,558
April	421	0	100%	82,020	195	$0.081	$6,657	0	0.00	$8.83	$0	249	0.59	$4.96	$1,234	$7,891
May	170	46	100%	76,940	356	$0.082	$6,320	0	0.00	$8.83	$0	225	1.04	$4.41	$993	$7,313
June	23	163	100%	80,340	432	$0.082	$6,600	0	0.00	$8.83	$0	217	1.17	$4.11	$892	$7,492
2nd half yr	3730	209		476,970	121	$0.078	$37,073	0	0.00	$8.83	$0	2,157	0.55	$4.11	$8,866	$45,939
TOTAL/YEAR	5944	1091		901,730	128	$0.076	$68,959	0	0.00	$8.83	$0	2,858	0.41	$4.56	$13,045	$82,005

Building Data: 1961

Gross Area (ft)2 109,552

Gross Volume (ft)3 876,416

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,077,604
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	292,945
TOTAL BTU's x 1,000	3,370,549

Energy Utilization Index =

Total BTU Consumption/Yr	3,370,549,490	
Gross Area (ft) 2	109,552	
Divided by 100,000 =	0.3077	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.12	
WATER COST TOTAL/YEAR		$15,890
WATER / SQ. FT. / YEAR	$0.15	
UTILITY COST/YEAR		$97,895

BUILDING: Savage Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	255,131	813	$0.075	$19,017	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$19,017
August	0	319	100%	199,840	626	$0.075	$15,062	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$15,062
September	60	191	100%	183,560	731	$0.079	$14,411	106	0.42	$8.83	$933	0	0.00	$0.00	$0	$15,344
October	391	57	100%	179,664	401	$0.078	$13,958	689	1.54	$8.83	$6,080	0	0.00	$0.00	$0	$20,038
November	841	1	100%	182,159	216	$0.073	$13,291	1,481	1.76	$8.83	$13,078	0	0.00	$0.00	$0	$26,369
December	922	0	100%	207,522	225	$0.073	$15,072	1,624	1.76	$8.83	$14,337	0	0.00	$0.00	$0	$29,409
1st half yr	2214	882		1,207,876	390	$0.075	$90,811	3,900	1.26	$8.83	$34,428	0	0.00	$0.00	$0	$125,239
January	1242	0	100%	200,635	162	$0.073	$14,596	2,188	1.76	$8.83	$19,313	0	0.00	$0.00	$0	$33,910
February	963	0	100%	233,431	242	$0.074	$17,364	1,696	1.76	$8.83	$14,975	0	0.00	$0.00	$0	$32,338
March	911	0	100%	220,356	242	$0.074	$16,241	1,605	1.76	$8.83	$14,166	0	0.00	$0.00	$0	$30,407
April	421	0	100%	198,557	472	$0.081	$16,116	742	1.76	$8.83	$6,547	0	0.00	$0.00	$0	$22,662
May	170	46	100%	168,041	778	$0.082	$13,804	299	1.39	$8.83	$2,644	0	0.00	$0.00	$0	$16,448
June	23	163	100%	185,832	999	$0.082	$15,266	41	0.22	$8.83	$358	0	0.00	$0.00	$0	$15,623
2nd half yr	3730	209		1,206,852	306	$0.077	$93,387	6,570	1.67	$8.83	$58,002	0	0.00	$0.00	$0	$151,389
TOTAL/YEAR	5944	1091		2,414,728	343	$0.076	$184,198	10,470	1.49	$8.83	$92,429	0	0.00	$0.00	$0	$276,628

Building Data: 1975

Gross Area (ft)2 199,380

Gross Volume (ft)3 1,595,040

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	8,241,467
Steam = M (lbs) X 1,000,000	10,470,275
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	18,711,741

Energy Utilization Index =

Total BTU Consumption/Yr	18,711,741,281
Gross Area (ft) 2	199,380
Divided by 100,000 =	0.9385 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$16,777
WATER / SQ. FT. / YEAR	$0.08	
UTILITY COST/YEAR		$293,405

BUILDING: Scott Tucker Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	55,866	178	$0.075	$4,164	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,164
August	0	319	100%	63,493	199	$0.075	$4,786	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,786
September	60	191	100%	49,321	196	$0.079	$3,872	23	0.09	$8.83	$200	0	0.00	$0.00	$0	$4,072
October	391	57	100%	63,263	141	$0.078	$4,915	148	0.33	$8.83	$1,302	0	0.00	$0.00	$0	$6,217
November	841	1	100%	65,135	77	$0.073	$4,753	317	0.38	$8.83	$2,801	0	0.00	$0.00	$0	$7,554
December	922	0	100%	20,000	22	$0.073	$1,453	348	0.38	$8.83	$3,071	0	0.00	$0.00	$0	$4,524
1st half yr	2214	882		317,078	102	$0.076	$23,942	835	0.27	$8.83	$7,375	0	0.00	$0.00	$0	$31,317
January	1242	0	100%	20,000	16	$0.073	$1,455	469	0.38	$8.83	$4,137	0	0.00	$0.00	$0	$5,592
February	963	0	100%	48,044	50	$0.074	$3,574	363	0.38	$8.83	$3,208	0	0.00	$0.00	$0	$6,782
March	911	0	100%	52,046	57	$0.074	$3,836	344	0.38	$8.83	$3,035	0	0.00	$0.00	$0	$6,871
April	421	0	100%	64,886	154	$0.081	$5,266	159	0.38	$8.83	$1,402	0	0.00	$0.00	$0	$6,669
May	170	46	100%	69,926	324	$0.082	$5,744	64	0.30	$8.83	$566	0	0.00	$0.00	$0	$6,311
June	23	163	100%	76,346	410	$0.082	$6,272	9	0.05	$8.83	$77	0	0.00	$0.00	$0	$6,348
2nd half yr	3730	209		331,247	84	$0.079	$26,147	1,407	0.36	$8.83	$12,425	0	0.00	$0.00	$0	$38,572
TOTAL/YEAR	5944	1091		648,325	92	$0.077	$50,089	2,243	0.32	$8.83	$19,800	0	0.00	$0.00	$0	$69,889

Building Data: 1935

Gross Area (ft)2 42,710

Gross Volume (ft)3 341,680

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	2,212,732
Steam = M (lbs) X 1,000,000	2,242,880
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	4,455,612

Energy Utilization Index =

Total BTU Consumption/Yr	4,455,612,275
Gross Area (ft) 2	42,710
Divided by 100,000 =	1.0432 THERMS

CHILLED WATER COST/YEAR		$4,214
ENERGY COST / SQ. FT. / YEAR	$0.10	
WATER COST TOTAL/YEAR		$7,143
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$81,245

BUILDING: Scuptural Studies
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	5,400	17	$0.129	$697	0	0.00	$8.83	$0	6	0.02	$57.96	$348	$1,044
August	0	319	100%	5,200	16	$0.129	$671	0	0.00	$8.83	$0	0	0.00	$0.00	$324	$995
September	60	191	100%	5,400	22	$0.129	$697	0	0.00	$8.83	$0	2	0.01	$164.61	$329	$1,026
October	391	57	100%	8,600	19	$0.129	$1,109	0	0.00	$8.83	$0	42	0.09	$11.36	$477	$1,586
November	841	1	100%	10,400	12	$0.129	$1,342	0	0.00	$8.83	$0	258	0.31	$4.54	$1,171	$2,512
December	922	0	100%	9,000	10	$0.129	$1,161	0	0.00	$8.83	$0	429	0.47	$3.97	$1,702	$2,863
1st half yr	2214	882		44,000	14	$0.129	$5,676	0	0.00	$8.83	$0	737	0.24	$5.90	$4,350	$10,027
January	1242	0	100%	6,900	6	$0.129	$890	0	0.00	$8.83	$0	458	0.37	$4.13	$1,891	$2,781
February	963	0	100%	6,800	7	$0.129	$877	0	0.00	$8.83	$0	422	0.44	$4.12	$1,737	$2,614
March	911	0	100%	6,900	8	$0.129	$890	0	0.00	$8.83	$0	311	0.34	$4.12	$1,282	$2,172
April	421	0	100%	10,500	25	$0.129	$1,355	0	0.00	$8.83	$0	225	0.53	$4.84	$1,088	$2,443
May	170	46	100%	5,300	25	$0.129	$684	0	0.00	$8.83	$0	156	0.72	$5.14	$802	$1,486
June	23	163	100%	5,400	29	$0.129	$697	0	0.00	$8.83	$0	35	0.19	$12.37	$433	$1,130
2nd half yr	3730	209		41,800	11	$0.129	$5,393	0	0.00	$8.83	$0	1,607	0.41	$4.50	$7,233	$12,625
TOTAL/YEAR	5944	1091		85,800	12	$0.129	$11,069	0	0.00	$8.83	$0	2,344	0.33	$4.94	$11,583	$22,652

Building Data: 1994

Gross Area (ft)2 7,502

Gross Volume (ft)3 60,016

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	292,835
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	240,260
TOTAL BTU's x 1,000	533,095

Energy Utilization Index =

Total BTU Consumption/Yr 533,095,400
Gross Area (ft) 2 7,502

Divided by 100,000 = 0.7106 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.54	
WATER COST TOTAL/YEAR		$7,687
WATER / SQ. FT. / YEAR	$1.02	
UTILITY COST/YEAR		$30,339

BUILDING: Snyder Memorial
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	29,414	94	$0.075	$2,192	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,192
August	0	319	100%	32,538	102	$0.075	$2,452	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,452
September	60	191	100%	35,795	143	$0.079	$2,810	25	0.10	$8.83	$224	0	0.00	$0.00	$0	$3,035
October	391	57	100%	34,317	77	$0.078	$2,666	166	0.37	$8.83	$1,462	0	0.00	$0.00	$0	$4,128
November	841	1	100%	30,105	36	$0.073	$2,197	356	0.42	$8.83	$3,145	0	0.00	$0.00	$0	$5,342
December	922	0	100%	39,036	42	$0.073	$2,835	391	0.42	$8.83	$3,448	0	0.00	$0.00	$0	$6,283
1st half yr	2214	882		201,205	65	$0.075	$15,153	938	0.30	$8.83	$8,279	0	0.00	$0.00	$0	$23,432
January	1242	0	100%	27,599	22	$0.073	$2,008	526	0.42	$8.83	$4,644	0	0.00	$0.00	$0	$6,652
February	963	0	100%	24,747	26	$0.074	$1,841	408	0.42	$8.83	$3,601	0	0.00	$0.00	$0	$5,442
March	911	0	100%	32,303	35	$0.074	$2,381	386	0.42	$8.83	$3,407	0	0.00	$0.00	$0	$5,788
April	421	0	100%	29,002	69	$0.081	$2,354	178	0.42	$8.83	$1,574	0	0.00	$0.00	$0	$3,928
May	170	46	100%	44,000	204	$0.082	$3,615	72	0.33	$8.83	$636	0	0.00	$0.00	$0	$4,250
June	23	163	100%	44,000	237	$0.082	$3,615	10	0.05	$8.83	$86	0	0.00	$0.00	$0	$3,701
2nd half yr	3730	209		201,651	51	$0.078	$15,813	1,580	0.40	$8.83	$13,948	0	0.00	$0.00	$0	$29,761
TOTAL/YEAR	5944	1091		402,856	57	$0.077	$30,965	2,518	0.36	$8.83	$22,227	0	0.00	$0.00	$0	$53,193

Building Data: 1959

Gross Area (ft)2 47,947

Gross Volume (ft)3 383,576

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,374,948
Steam = M (lbs) X 1,000,000	2,517,897
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	3,892,845

Energy Utilization Index =

Total BTU Consumption/Yr	3,892,844,599
Gross Area (ft) 2	47,947
Divided by 100,000 =	0.8119 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$1,559
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$54,752

BUILDING: Stranahan Arboretum
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	491	2	$0.140	$69	0	0.00	$8.83	$0	2	0.01	$19.63	$39	$108
August	0	319	100%	485	2	$0.140	$68	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$96
September	60	191	100%	480	2	$0.140	$67	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$95
October	391	57	100%	1,492	3	$0.140	$209	0	0.00	$8.83	$0	0	0.00	$0.00	$29	$238
November	841	1	100%	4,946	6	$0.140	$692	0	0.00	$8.83	$0	20	0.02	$6.18	$124	$816
December	922	0	100%	2,041	2	$0.140	$286	0	0.00	$8.83	$0	33	0.04	$5.60	$185	$471
1st half yr	2214	882		9,935	3	$0.140	$1,391	0	0.00	$8.83	$0	55	0.02	$7.87	$433	$1,824
January	1242	0	100%	1,529	1	$0.140	$214	0	0.00	$8.83	$0	44	0.04	$5.35	$235	$449
February	963	0	100%	353	0	$0.140	$49	0	0.00	$8.83	$0	37	0.04	$5.46	$202	$251
March	911	0	100%	278	0	$0.140	$39	0	0.00	$8.83	$0	23	0.03	$5.95	$137	$176
April	421	0	100%	290	1	$0.140	$41	0	0.00	$8.83	$0	18	0.04	$6.34	$111	$152
May	170	46	100%	241	1	$0.140	$34	0	0.00	$8.83	$0	13	0.06	$7.01	$90	$124
June	23	163	100%	544	3	$0.140	$76	0	0.00	$8.83	$0	11	0.06	$7.55	$79	$155
2nd half yr	3730	209		3,235	1	$0.140	$453	0	0.00	$8.83	$0	145	0.04	$5.90	$855	$1,308
TOTAL/YEAR	5944	1091		13,170	2	$0.140	$1,844	0	0.00	$8.83	$0	200	0.03	$6.44	$1,288	$3,131

Building Data: 1932 est

Gross Area (ft)2 7,386

Gross Volume (ft)3 59,088

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	44,949
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	20,490
TOTAL BTU's x 1,000	65,439

Energy Utilization Index =

Total BTU Consumption/Yr	65,438,960
Gross Area (ft) 2	7,386
Divided by 100,000 =	0.0886 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.17	
WATER COST TOTAL/YEAR		$983
WATER / SQ. FT. / YEAR	$0.13	
UTILITY COST/YEAR		$4,115

BUILDING: Stranahan Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	95,687	305	$0.075	$7,132	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,132
August	0	319	100%	108,854	341	$0.075	$8,205	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$8,205
September	60	191	100%	112,830	450	$0.079	$8,858	64	0.26	$8.83	$567	0	0.00	$0.00	$0	$9,425
October	391	57	100%	119,453	267	$0.078	$9,280	418	0.93	$8.83	$3,694	0	0.00	$0.00	$0	$12,974
November	841	1	100%	120,283	143	$0.073	$8,776	900	1.07	$8.83	$7,945	0	0.00	$0.00	$0	$16,722
December	922	0	100%	116,756	127	$0.073	$8,480	987	1.07	$8.83	$8,711	0	0.00	$0.00	$0	$17,190
1st half yr	2214	882		673,863	218	$0.075	$50,731	2,369	0.77	$8.83	$20,917	0	0.00	$0.00	$0	$71,648
January	1242	0	100%	121,630	98	$0.073	$8,849	1,329	1.07	$8.83	$11,734	0	0.00	$0.00	$0	$20,583
February	963	0	100%	104,847	109	$0.074	$7,799	1,031	1.07	$8.83	$9,098	0	0.00	$0.00	$0	$16,897
March	911	0	100%	125,262	137	$0.074	$9,232	975	1.07	$8.83	$8,607	0	0.00	$0.00	$0	$17,839
April	421	0	100%	107,767	256	$0.081	$8,747	451	1.07	$8.83	$3,977	0	0.00	$0.00	$0	$12,724
May	170	46	100%	102,916	476	$0.082	$8,454	182	0.84	$8.83	$1,606	0	0.00	$0.00	$0	$10,060
June	23	163	100%	116,698	627	$0.082	$9,587	25	0.13	$8.83	$217	0	0.00	$0.00	$0	$9,804
2nd half yr	3730	209		679,119	172	$0.078	$52,668	3,992	1.01	$8.83	$35,239	0	0.00	$0.00	$0	$87,907
TOTAL/YEAR	5944	1091		1,352,982	192	$0.076	$103,399	6,361	0.90	$8.83	$56,156	0	0.00	$0.00	$0	$159,555

Building Data: 1984

Gross Area (ft)2 121,135

Gross Volume (ft)3 969,080

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	4,617,728
Steam = M (lbs) X 1,000,000	6,361,304
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	10,979,031

Energy Utilization Index =

Total BTU Consumption/Yr	10,979,031,370
Gross Area (ft) 2	121,135
Divided by 100,000 =	0.9063 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$3,940
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$163,495

BUILDING: Student Rec Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	212,991	678	$0.075	$15,876	0	0.00	$8.83	$0	3	0.01	$4.05	$12	$15,888
August	0	319	100%	219,716	689	$0.075	$16,560	0	0.00	$8.83	$0	1	0.00	$3.72	$4	$16,564
September	60	191	100%	241,638	963	$0.079	$18,970	83	0.33	$8.83	$737	4	0.02	$3.45	$14	$19,721
October	391	57	100%	236,140	527	$0.078	$18,346	544	1.21	$8.83	$4,801	3	0.01	$3.34	$10	$23,157
November	841	1	100%	225,577	268	$0.073	$16,459	1,170	1.39	$8.83	$10,327	4	0.00	$3.18	$13	$26,799
December	922	0	100%	226,664	246	$0.073	$16,462	1,283	1.39	$8.83	$11,322	1	0.00	$3.13	$3	$27,787
1st half yr	2214	882		1,362,725	440	$0.075	$102,673	3,080	0.99	$8.83	$27,187	16	0.01	$3.47	$56	$129,916
January	1242	0	100%	235,852	190	$0.073	$17,158	1,728	1.39	$8.83	$15,251	1	0.00	$3.39	$3	$32,413
February	963	0	100%	200,131	208	$0.074	$14,887	1,340	1.39	$8.83	$11,825	1	0.00	$3.24	$3	$26,715
March	911	0	100%	234,343	257	$0.074	$17,272	1,267	1.39	$8.83	$11,187	3	0.00	$2.86	$9	$28,468
April	421	0	100%	214,938	511	$0.081	$17,445	586	1.39	$8.83	$5,170	1	0.00	$3.24	$3	$22,618
May	170	46	100%	231,298	1,071	$0.082	$19,001	236	1.09	$8.83	$2,088	1	0.00	$2.94	$3	$21,091
June	23	163	100%	249,379	1,341	$0.082	$20,486	32	0.17	$8.83	$282	0	0.00	$0.00	$0	$20,769
2nd half yr	3730	209		1,365,942	347	$0.078	$106,250	5,188	1.32	$8.83	$45,803	7	0.00	$3.06	$21	$152,074
TOTAL/YEAR	5944	1091		2,728,667	388	$0.077	$208,923	8,268	1.18	$8.83	$72,989	23	0.00	$3.34	$77	$281,989

Building Data: 1990

Gross Area (ft)2 157,446

Gross Volume (ft)3 1,259,568

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	9,312,940
Natural Gas = MCF X 102,500	8,268,146
Natural Gas = MCF X 102,500	2,358
TOTAL BTU's x 1,000	17,583,443

Energy Utilization Index =

Total BTU Consumption/Yr	17,583,442,986
Gross Area (ft) 2	157,446
Divided by 100,000 =	1.1168 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$43,237
WATER / SQ. FT. / YEAR	$0.27	
UTILITY COST/YEAR		$325,226

BUILDING: Student Union
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	186,560	594	$0.075	$13,906	0	0.00	$8.83	$0	75	0.24	$4.05	$304	$14,210
August	0	319	100%	173,719	545	$0.075	$13,093	0	0.00	$8.83	$0	56	0.18	$3.72	$208	$13,302
September	60	191	100%	183,253	730	$0.079	$14,387	117	0.47	$8.83	$1,035	153	0.61	$3.45	$528	$15,950
October	391	57	100%	227,006	507	$0.078	$17,636	764	1.71	$8.83	$6,746	243	0.54	$3.34	$811	$25,193
November	841	1	100%	193,947	230	$0.073	$14,151	1,644	1.95	$8.83	$14,510	336	0.40	$3.18	$1,068	$29,730
December	922	0	100%	224,926	244	$0.073	$16,336	1,802	1.95	$8.83	$15,908	333	0.36	$3.13	$1,042	$33,286
1st half yr	2214	882		1,189,411	384	$0.075	$89,509	4,327	1.40	$8.83	$38,200	1,196	0.39	$3.31	$3,962	$131,670
January	1242	0	100%	187,647	151	$0.073	$13,651	2,427	1.95	$8.83	$21,429	164	0.13	$3.38	$555	$35,635
February	963	0	100%	202,907	211	$0.074	$15,093	1,882	1.95	$8.83	$16,615	436	0.45	$3.25	$1,415	$33,124
March	911	0	100%	191,237	210	$0.074	$14,095	1,781	1.95	$8.83	$15,718	209	0.23	$2.86	$597	$30,411
April	421	0	100%	225,974	537	$0.081	$18,341	823	1.95	$8.83	$7,264	283	0.67	$3.24	$916	$26,521
May	170	46	100%	151,760	703	$0.082	$12,467	332	1.54	$8.83	$2,933	210	0.97	$2.94	$617	$16,017
June	23	163	100%	177,788	956	$0.082	$14,605	45	0.24	$8.83	$397	88	0.47	$2.88	$253	$15,255
2nd half yr	3730	209		1,137,313	289	$0.078	$88,253	7,290	1.85	$8.83	$64,356	1,390	0.35	$3.13	$4,354	$156,964
TOTAL/YEAR	5944	1091		2,326,724	331	$0.076	$177,762	11,617	1.65	$8.83	$102,556	2,586	0.37	$3.22	$8,316	$288,634

Building Data: 1959

Gross Area (ft)2 221,225

Gross Volume (ft)3 1,769,800

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	7,941,109
Steam = M (lbs) X 1,000,000	11,617,447
Natural Gas = MCF X 102,500	265,065
TOTAL BTU's x 1,000	19,823,621

Energy Utilization Index =

Total BTU Consumption/Yr	19,823,620,607
Gross Area (ft) 2	221,225
Divided by 100,000 =	0.8961 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.04	
WATER COST TOTAL/YEAR		$133,771
WATER / SQ. FT. / YEAR	$0.60	
UTILITY COST/YEAR		$422,405

BUILDING: Sullivan Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	15,065	48	$0.075	$1,123	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,123
August	0	319	100%	16,193	51	$0.075	$1,221	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,221
September	60	191	100%	17,993	72	$0.079	$1,413	7	0.03	$8.83	$63	0	0.00	$0.00	$0	$1,475
October	391	57	100%	3,609	8	$0.078	$280	46	0.10	$8.83	$409	0	0.00	$0.00	$0	$689
November	841	1	100%	3,609	4	$0.073	$263	100	0.12	$8.83	$879	0	0.00	$0.00	$0	$1,142
December	922	0	100%	15,637	17	$0.073	$1,136	109	0.12	$8.83	$964	0	0.00	$0.00	$0	$2,099
1st half yr	2214	882		72,105	23	$0.075	$5,435	262	0.08	$8.83	$2,314	0	0.00	$0.00	$0	$7,749
January	1242	0	100%	8,567	7	$0.073	$623	147	0.12	$8.83	$1,298	0	0.00	$0.00	$0	$1,921
February	963	0	100%	11,156	12	$0.074	$830	114	0.12	$8.83	$1,006	0	0.00	$0.00	$0	$1,836
March	911	0	100%	8,515	9	$0.074	$628	108	0.12	$8.83	$952	0	0.00	$0.00	$0	$1,580
April	421	0	100%	9,086	22	$0.081	$737	50	0.12	$8.83	$440	0	0.00	$0.00	$0	$1,177
May	170	46	100%	8,397	39	$0.082	$690	20	0.09	$8.83	$178	0	0.00	$0.00	$0	$867
June	23	163	100%	8,041	43	$0.082	$661	3	0.01	$8.83	$24	0	0.00	$0.00	$0	$685
2nd half yr	3730	209		53,762	14	$0.078	$4,169	442	0.11	$8.83	$3,898	0	0.00	$0.00	$0	$8,067
TOTAL/YEAR	5944	1091		125,867	18	$0.076	$9,604	704	0.10	$8.83	$6,212	0	0.00	$0.00	$0	$15,816

Building Data: 1994

Gross Area (ft)2 13,401

Gross Volume (ft)3 107,208

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	429,584
Steam = M (lbs) X 1,000,000	703,742
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	1,133,327

Energy Utilization Index =

Total BTU Consumption/Yr	1,133,326,688
Gross Area (ft) 2	13,401
Divided by 100,000 =	0.8457 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$7,120
WATER / SQ. FT. / YEAR	$0.53	
UTILITY COST/YEAR		$22,936

BUILDING: Transportation Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	24,887	79	$0.075	$1,855	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,855
August	0	319	100%	26,447	83	$0.075	$1,993	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,993
September	60	191	100%	24,482	98	$0.079	$1,922	0	0.00	$8.83	$0	20	0.08	$3.45	$69	$1,991
October	391	57	100%	22,694	51	$0.078	$1,763	0	0.00	$8.83	$0	32	0.07	$3.34	$107	$1,870
November	841	1	100%	19,213	23	$0.073	$1,402	0	0.00	$8.83	$0	95	0.11	$3.18	$302	$1,704
December	922	0	100%	17,972	19	$0.073	$1,305	0	0.00	$8.83	$0	183	0.20	$3.13	$573	$1,878
1st half yr	2214	882		135,693	44	$0.075	$10,240	0	0.00	$8.83	$0	330	0.11	$3.18	$1,051	$11,291
January	1242	0	100%	18,435	15	$0.073	$1,341	0	0.00	$8.83	$0	202	0.16	$3.38	$683	$2,024
February	963	0	100%	15,512	16	$0.074	$1,154	0	0.00	$8.83	$0	254	0.26	$3.25	$824	$1,978
March	911	0	100%	18,329	20	$0.074	$1,351	0	0.00	$8.83	$0	201	0.22	$2.86	$575	$1,926
April	421	0	100%	16,942	40	$0.081	$1,375	0	0.00	$8.83	$0	139	0.33	$3.24	$450	$1,825
May	170	46	100%	20,177	93	$0.082	$1,657	0	0.00	$8.83	$0	117	0.54	$2.94	$344	$2,002
June	23	163	100%	18,929	102	$0.082	$1,555	0	0.00	$8.83	$0	64	0.34	$2.88	$184	$1,739
2nd half yr	3730	209		108,324	28	$0.078	$8,434	0	0.00	$8.83	$0	977	0.25	$3.13	$3,061	$11,494
TOTAL/YEAR	5944	1091		244,017	35	$0.077	$18,674	0	0.00	$8.83	$0	1,307	0.19	$3.15	$4,111	$22,785

Building Data: 1959

Gross Area (ft)2 19,826

Gross Volume (ft)3 158,608

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	832,830
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	133,968
TOTAL BTU's x 1,000	966,797

Energy Utilization Index =

Total BTU Consumption/Yr	966,797,202	
Gross Area (ft) 2	19,826	
Divided by 100,000 =	0.4876	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.21	
WATER COST TOTAL/YEAR		$3,320
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$26,106

BUILDING: University Computer Center
FY YEAR: 2019

DATE : 11/27/19

MONTg	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	geating	Cooling	% P.F.	kWg	kWg per DD	Cost per kWg	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	139,347	444	$0.075	$10,386	0	0.00	$8.83	$0	1	0.00	$224.04	$224	$10,610
August	0	319	100%	150,737	473	$0.075	$11,361	0	0.00	$8.83	$0	0	0.00	$0.00	$220	$11,581
September	60	191	100%	142,187	566	$0.079	$11,163	17	0.07	$8.83	$154	1	0.00	$222.72	$223	$11,539
October	391	57	100%	146,975	328	$0.078	$11,419	114	0.25	$8.83	$1,002	9	0.02	$28.21	$254	$12,675
November	841	1	100%	150,403	179	$0.073	$10,974	244	0.29	$8.83	$2,156	68	0.08	$6.85	$466	$13,596
December	922	0	100%	157,484	171	$0.073	$11,438	268	0.29	$8.83	$2,364	70	0.08	$6.97	$488	$14,289
1st half yr	2214	882		887,133	287	$0.075	$66,741	643	0.21	$8.83	$5,676	149	0.05	$12.58	$1,874	$74,291
January	1242	0	100%	156,633	126	$0.073	$11,395	361	0.29	$8.83	$3,184	373	0.30	$4.24	$1,583	$16,162
February	963	0	100%	148,126	154	$0.074	$11,018	280	0.29	$8.83	$2,469	398	0.41	$4.10	$1,633	$15,120
March	911	0	100%	174,452	191	$0.074	$12,858	265	0.29	$8.83	$2,336	552	0.61	$3.54	$1,954	$17,148
April	421	0	100%	148,053	352	$0.081	$12,017	122	0.29	$8.83	$1,079	310	0.74	$4.29	$1,330	$14,426
May	170	46	100%	167,762	777	$0.082	$13,781	49	0.23	$8.83	$436	7	0.03	$2.94	$21	$14,238
June	23	163	100%	162,822	875	$0.082	$13,376	7	0.04	$8.83	$59	18	0.10	$19.80	$356	$13,791
2nd half yr	3730	209		957,848	243	$0.078	$74,445	1,083	0.28	$8.83	$9,563	1,658	0.42	$4.15	$6,877	$90,885
TOTAL/YEAR	5944	1091		1,844,981	262	$0.077	$141,186	1,726	0.25	$8.83	$15,239	1,807	0.26	$4.84	$8,752	$165,177

Building Data: 1966

Gross Area (ft)2 32,872

Gross Volume (ft)3 262,976

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	6,296,919
Natural Gas = MCF X 102,500	1,726,246
Natural Gas = MCF X 102,500	185,218
TOTAL BTU's x 1,000	8,208,382

Energy Utilization Index =

Total BTU Consumption/Yr	8,208,382,482	
Gross Area (ft) 2	32,872	
Divided by 100,000 =	2.4971	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.27	
WATER COST TOTAL/YEAR		$11,697
WATER / SQ. FT. / YEAR	$0.36	
UTILITY COST/YEAR		$176,873

BUILDING: University Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	279,900	891	$0.075	$20,863	0	0.00	$8.83	$0	28	0.09	$4.05	$113	$20,976
August	0	319	100%	305,921	959	$0.075	$23,058	0	0.00	$8.83	$0	32	0.10	$3.72	$119	$23,177
September	60	191	100%	299,582	1,194	$0.079	$23,519	155	0.62	$8.83	$1,369	31	0.12	$3.45	$107	$24,996
October	391	57	100%	302,610	675	$0.078	$23,510	1,011	2.26	$8.83	$8,924	25	0.06	$3.34	$83	$32,517
November	841	1	100%	314,467	373	$0.073	$22,945	2,174	2.58	$8.83	$19,194	47	0.06	$3.18	$149	$42,289
December	922	0	100%	339,741	368	$0.073	$24,674	2,384	2.59	$8.83	$21,043	45	0.05	$3.13	$141	$45,858
1st half yr	2214	882		1,842,220	595	$0.075	$138,569	5,724	1.85	$8.83	$50,530	208	0.07	$3.43	$713	$189,813
January	1242	0	100%	314,194	253	$0.073	$22,858	3,211	2.59	$8.83	$28,346	16	0.01	$3.38	$54	$51,258
February	963	0	100%	277,857	289	$0.074	$20,668	2,490	2.59	$8.83	$21,979	92	0.10	$3.25	$299	$42,945
March	911	0	100%	318,787	350	$0.074	$23,496	2,355	2.59	$8.83	$20,792	50	0.05	$2.86	$143	$44,431
April	421	0	100%	261,740	622	$0.081	$21,244	1,088	2.59	$8.83	$9,608	38	0.09	$3.24	$123	$30,976
May	170	46	100%	271,340	1,256	$0.082	$22,290	440	2.03	$8.83	$3,880	38	0.18	$2.94	$112	$26,282
June	23	163	100%	254,561	1,369	$0.082	$20,912	59	0.32	$8.83	$525	42	0.23	$2.88	$121	$21,558
2nd half yr	3730	209		1,698,478	431	$0.077	$131,468	9,643	2.45	$8.83	$85,130	276	0.07	$3.08	$851	$217,450
TOTAL/YEAR	5944	1091		3,540,697	503	$0.076	$270,038	15,367	2.18	$8.83	$135,660	484	0.07	$3.23	$1,565	$407,262

Building Data: 1931

Gross Area (ft)2 292,633

Gross Volume (ft)3 2,341,064

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	12,084,400
Steam = M (lbs) X 1,000,000	15,367,378
Natural Gas = MCF X 102,500	49,610
TOTAL BTU's x 1,000	27,501,389

Energy Utilization Index =

Total BTU Consumption/Yr	27,501,388,716
Gross Area (ft) 2	292,633
Divided by 100,000 =	0.9398 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.01	
WATER COST TOTAL/YEAR		$9,518
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$416,780

BUILDING: Westwood Building
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	43,180	138	$0.092	$3,973	0	0.00	$8.83	$0	8	0.03	$103.34	$827	$4,799
August	0	319	100%	38,200	120	$0.092	$3,514	0	0.00	$8.83	$0	7	0.02	$117.26	$821	$4,335
September	60	191	100%	37,820	151	$0.092	$3,479	0	0.00	$8.83	$0	7	0.03	$116.49	$815	$4,295
October	391	57	100%	35,700	80	$0.092	$3,284	0	0.00	$8.83	$0	14	0.03	$60.26	$844	$4,128
November	841	1	100%	38,100	45	$0.092	$3,505	0	0.00	$8.83	$0	342	0.41	$5.69	$1,946	$5,451
December	922	0	100%	29,100	32	$0.092	$2,677	0	0.00	$8.83	$0	849	0.92	$4.15	$3,522	$6,200
1st half yr	2214	882		222,100	72	$0.092	$20,433	0	0.00	$8.83	$0	1,227	0.40	$7.15	$8,775	$29,208
January	1242	0	100%	38,700	31	$0.092	$3,560	0	0.00	$8.83	$0	1,066	0.86	$4.14	$4,410	$7,971
February	963	0	100%	51,600	54	$0.092	$4,747	0	0.00	$8.83	$0	1,324	1.37	$3.89	$5,155	$9,903
March	911	0	100%	47,100	52	$0.092	$4,333	0	0.00	$8.83	$0	1,184	1.30	$3.66	$4,330	$8,663
April	421	0	100%	31,800	76	$0.092	$2,926	0	0.00	$8.83	$0	687	1.63	$4.45	$3,060	$5,986
May	170	46	100%	30,600	142	$0.092	$2,815	0	0.00	$8.83	$0	312	1.44	$5.54	$1,727	$4,543
June	23	163	100%	31,800	171	$0.092	$2,926	0	0.00	$8.83	$0	59	0.32	$16.31	$962	$3,888
2nd half yr	3730	209		231,600	59	$0.092	$21,307	0	0.00	$8.83	$0	4,632	1.18	$4.24	$19,645	$40,953
TOTAL/YEAR	5944	1091		453,700	64	$0.092	$41,740	0	0.00	$8.83	$0	5,859	0.83	$4.85	$28,420	$70,161

Building Data: 1946

Gross Area (ft)2 271,332

Gross Volume (ft)3 2,170,656

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,548,478
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	600,548
TOTAL BTU's x 1,000	2,149,026

Energy Utilization Index =

Total BTU Consumption/Yr	2,149,025,600	
Gross Area (ft) 2	271,332	
Divided by 100,000 =	0.0792	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.10	
WATER COST TOTAL/YEAR		$5,793
WATER / SQ. FT. / YEAR	$0.02	
UTILITY COST/YEAR		$75,954

BUILDING: Wolfe Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	437,475	1,393	$0.075	$32,608	0	0.00	$8.83	$0	1	0.00	$31.47	$31	$32,639
August	0	319	100%	385,714	1,209	$0.075	$29,072	0	0.00	$8.83	$0	1	0.00	$31.96	$32	$29,104
September	60	191	100%	322,785	1,286	$0.079	$25,341	100	0.40	$8.83	$882	1	0.00	$32.24	$32	$26,255
October	391	57	100%	414,791	926	$0.078	$32,225	651	1.45	$8.83	$5,748	1	0.00	$32.24	$32	$38,006
November	841	1	100%	414,459	492	$0.073	$30,241	1,401	1.66	$8.83	$12,364	1	0.00	$33.24	$33	$42,638
December	922	0	100%	538,546	584	$0.073	$39,113	1,535	1.67	$8.83	$13,555	1	0.00	$32.79	$33	$52,700
1st half yr	2214	882		2,513,771	812	$0.075	$188,600	3,687	1.19	$8.83	$32,549	6	0.00	$32.32	$194	$221,343
January	1242	0	100%	440,025	354	$0.073	$32,012	2,068	1.67	$8.83	$18,259	3	0.00	$14.05	$42	$50,314
February	963	0	100%	399,593	415	$0.074	$29,724	1,604	1.67	$8.83	$14,158	3	0.00	$14.36	$43	$43,924
March	911	0	100%	396,822	436	$0.074	$29,248	1,517	1.67	$8.83	$13,393	1	0.00	$27.38	$36	$42,677
April	421	0	100%	437,384	1,039	$0.081	$35,500	701	1.67	$8.83	$6,189	9	0.02	$3.80	$34	$41,724
May	170	46	100%	401,511	1,859	$0.082	$32,983	283	1.31	$8.83	$2,499	1	0.00	$38.04	$34	$35,517
June	23	163	100%	383,188	2,060	$0.082	$31,478	38	0.21	$8.83	$338	1	0.01	$27.80	$36	$31,853
2nd half yr	3730	209		2,458,523	624	$0.078	$190,946	6,212	1.58	$8.83	$54,837	19	0.00	$12.18	$225	$246,008
TOTAL/YEAR	5944	1091		4,972,294	707	$0.076	$379,546	9,899	1.41	$8.83	$87,386	25	0.00	$17.12	$419	$467,351

Building Data: 1997

Gross Area (ft)2 188,501

Gross Volume (ft)3 1,508,008

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	16,970,441
Steam = M (lbs) X 1,000,000	9,898,973
Natural Gas = MCF X 102,500	2,511
TOTAL BTU's x 1,000	26,871,925

Energy Utilization Index =

Total BTU Consumption/Yr	26,871,925,351
Gross Area (ft) 2	188,501
Divided by 100,000 =	1.4256 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$58,314
WATER / SQ. FT. / YEAR	$0.31	
UTILITY COST/YEAR		$525,665

BUILDING: Center for Creative Education
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	87,731	279	$0.075	$6,614	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$6,614
August	0	319	100%	99,686	312	$0.075	$7,478	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,478
September	60	191	100%	85,732	342	$0.077	$6,587	79	0.31	$8.83	$697	0	0.00	$0.00	$0	$7,284
October	391	57	100%	81,824	183	$0.076	$6,213	515	1.15	$8.83	$4,545	0	0.00	$0.00	$0	$10,758
November	841	1	100%	83,031	99	$0.076	$6,306	1,107	1.32	$8.83	$9,776	0	0.00	$0.00	$0	$16,082
December	922	0	100%	81,632	89	$0.072	$5,870	1,214	1.32	$8.83	$10,718	0	0.00	$0.00	$0	$16,588
1st half yr	2214	882		519,636	168	$0.075	$39,067	2,915	0.94	$8.83	$25,736	0	0.00	$0.00	$0	$64,803
January	1242	0	100%	91,498	74	$0.074	$6,741	1,635	1.32	$8.83	$14,437	0	0.00	$0.00	$0	$21,178
February	963	0	100%	97,114	101	$0.078	$7,596	1,268	1.32	$8.83	$11,194	0	0.00	$0.00	$0	$18,790
March	911	0	100%	94,434	104	$0.075	$7,046	1,200	1.32	$8.83	$10,590	0	0.00	$0.00	$0	$17,636
April	421	0	100%	85,186	202	$0.080	$6,790	554	1.32	$8.83	$4,894	0	0.00	$0.00	$0	$11,684
May	170	46	100%	92,325	427	$0.080	$7,418	224	1.04	$8.83	$1,976	0	0.00	$0.00	$0	$9,394
June	23	163	100%	80,828	435	$0.080	$6,494	30	0.16	$8.83	$267	0	0.00	$0.00	$0	$6,762
2nd half yr	3730	209		541,385	137	$0.078	$42,085	4,912	1.25	$8.83	$43,358	0	0.00	$0.00	$0	$85,444
TOTAL/YEAR	5944	1091		1,061,021	151	$0.076	$81,152	7,827	1.11	$8.83	$69,094	0	0.00	$0.00	$0	$150,247

Building Data: 2003

Gross Area (ft)2 88,810

Gross Volume (ft)3 710,480

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,621,265
Steam = M (lbs) X 1,000,000	7,826,928
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	11,448,193

Energy Utilization Index =

Total BTU Consumption/Yr	11,448,193,055
Gross Area (ft) 2	88,810
Divided by 100,000 =	1.2891 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$10,304
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$160,551

BUILDING: Collier Allied Health Building
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	70,325	224	$0.075	$5,302	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,302
August	0	319	100%	82,903	260	$0.075	$6,219	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$6,219
September	60	191	100%	74,578	297	$0.077	$5,730	99	0.39	$8.83	$875	0	0.00	$0.00	$0	$6,604
October	391	57	100%	80,968	181	$0.076	$6,148	646	1.44	$8.83	$5,699	0	0.00	$0.00	$0	$11,847
November	841	1	100%	76,758	91	$0.076	$5,829	1,389	1.65	$8.83	$12,259	0	0.00	$0.00	$0	$18,088
December	922	0	100%	77,481	84	$0.072	$5,572	1,522	1.65	$8.83	$13,439	0	0.00	$0.00	$0	$19,011
1st half yr	2214	882		463,013	150	$0.075	$34,799	3,656	1.18	$8.83	$32,272	0	0.00	$0.00	$0	$67,070
January	1242	0	100%	82,122	66	$0.074	$6,050	2,051	1.65	$8.83	$18,104	0	0.00	$0.00	$0	$24,154
February	963	0	100%	71,222	74	$0.078	$5,571	1,590	1.65	$8.83	$14,037	0	0.00	$0.00	$0	$19,607
March	911	0	100%	76,633	84	$0.075	$5,718	1,504	1.65	$8.83	$13,279	0	0.00	$0.00	$0	$18,997
April	421	0	100%	69,106	164	$0.080	$5,509	695	1.65	$8.83	$6,137	0	0.00	$0.00	$0	$11,645
May	170	46	100%	75,523	350	$0.080	$6,068	281	1.30	$8.83	$2,478	0	0.00	$0.00	$0	$8,546
June	23	163	100%	65,615	353	$0.080	$5,272	38	0.20	$8.83	$335	0	0.00	$0.00	$0	$5,607
2nd half yr	3730	209		440,221	112	$0.078	$34,187	6,159	1.56	$8.83	$54,369	0	0.00	$0.00	$0	$88,556
TOTAL/YEAR	5944	1091		903,234	128	$0.076	$68,986	9,815	1.40	$8.83	$86,641	0	0.00	$0.00	$0	$155,627

Building Data: 1996

Gross Area (ft)2 111,363

Gross Volume (ft)3 890,904

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,082,738
Steam = M (lbs) X 1,000,000	9,814,550
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	12,897,288

Energy Utilization Index =

Total BTU Consumption/Yr	12,897,288,092
Gross Area (ft) 2	111,363
Divided by 100,000 =	1.1581 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$10,409
WATER / SQ. FT. / YEAR	$0.09	
UTILITY COST/YEAR		$166,036

BUILDING: Dana Cancer Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	98,889	315	$0.075	$7,456	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$7,484
August	0	319	100%	111,984	351	$0.075	$8,400	0	0.00	$8.83	$0	0	0.00	$0.00	$28	$8,428
September	60	191	100%	101,209	403	$0.077	$7,776	39	0.16	$8.83	$345	1	0.00	$32.70	$33	$8,154
October	391	57	100%	109,837	245	$0.076	$8,340	255	0.57	$8.83	$2,251	11	0.03	$7.10	$81	$10,671
November	841	1	100%	112,955	134	$0.076	$8,578	548	0.65	$8.83	$4,841	27	0.03	$5.68	$153	$13,572
December	922	0	100%	112,718	122	$0.072	$8,105	601	0.65	$8.83	$5,307	30	0.03	$5.69	$171	$13,583
1st half yr	2214	882		647,592	209	$0.075	$48,654	1,444	0.47	$8.83	$12,743	69	0.02	$7.11	$494	$61,892
January	1242	0	100%	120,981	97	$0.074	$8,913	810	0.65	$8.83	$7,149	49	0.04	$5.30	$260	$16,322
February	963	0	100%	106,931	111	$0.078	$8,364	628	0.65	$8.83	$5,543	35	0.04	$5.57	$195	$14,102
March	911	0	100%	115,487	127	$0.075	$8,617	594	0.65	$8.83	$5,244	26	0.03	$5.80	$152	$14,012
April	421	0	100%	98,277	233	$0.080	$7,834	274	0.65	$8.83	$2,423	16	0.04	$6.52	$104	$10,361
May	170	46	100%	112,741	522	$0.080	$9,058	111	0.51	$8.83	$978	5	0.02	$10.81	$53	$10,090
June	23	163	100%	101,934	548	$0.080	$8,190	15	0.08	$8.83	$132	0	0.00	$0.00	$30	$8,352
2nd half yr	3730	209		656,351	167	$0.078	$50,976	2,432	0.62	$8.83	$21,469	131	0.03	$6.05	$793	$73,238
TOTAL/YEAR	5944	1091		1,303,943	185	$0.076	$99,630	3,876	0.55	$8.83	$34,213	200	0.03	$6.42	$1,287	$135,130

Building Data: 1981

Gross Area (ft)2 43,975

Gross Volume (ft)3 351,800

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	4,450,357
Steam = M (lbs) X 1,000,000	3,875,568
Natural Gas = MCF X 102,500	20,541
TOTAL BTU's x 1,000	8,346,466

Energy Utilization Index =

Total BTU Consumption/Yr 8,346,466,251
Gross Area (ft) 2 43,975

Divided by 100,000 = 1.8980 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.03	
WATER COST TOTAL/YEAR		$6,992
WATER / SQ. FT. / YEAR	$0.16	
UTILITY COST/YEAR		$142,122

BUILDING: Dowling Hall and Morse Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	577,263	1,838	$0.075	$43,522	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$43,522
August	0	319	100%	676,648	2,121	$0.075	$50,756	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$50,756
September	60	191	100%	590,122	2,351	$0.077	$45,338	220	0.88	$8.83	$1,945	0	0.00	$0.00	$0	$47,282
October	391	57	100%	508,001	1,134	$0.076	$38,571	1,436	3.20	$8.83	$12,672	0	0.00	$0.00	$0	$51,243
November	841	1	100%	405,940	482	$0.076	$30,829	3,088	3.67	$8.83	$27,257	0	0.00	$0.00	$0	$58,086
December	922	0	100%	396,841	430	$0.072	$28,536	3,385	3.67	$8.83	$29,882	0	0.00	$0.00	$0	$58,419
1st half yr	2214	882		3,154,815	1,019	$0.075	$237,551	8,128	2.63	$8.83	$71,756	0	0.00	$0.00	$0	$309,307
January	1242	0	100%	435,303	350	$0.074	$32,071	4,560	3.67	$8.83	$40,253	0	0.00	$0.00	$0	$72,324
February	963	0	100%	383,297	398	$0.078	$29,980	3,536	3.67	$8.83	$31,211	0	0.00	$0.00	$0	$61,190
March	911	0	100%	423,484	465	$0.075	$31,598	3,345	3.67	$8.83	$29,526	0	0.00	$0.00	$0	$61,124
April	421	0	100%	424,649	1,009	$0.080	$33,850	1,546	3.67	$8.83	$13,645	0	0.00	$0.00	$0	$47,494
May	170	46	100%	577,001	2,671	$0.080	$46,360	624	2.89	$8.83	$5,510	0	0.00	$0.00	$0	$51,869
June	23	163	100%	568,962	3,059	$0.080	$45,714	84	0.45	$8.83	$745	0	0.00	$0.00	$0	$46,459
2nd half yr	3730	209		2,812,696	714	$0.078	$219,571	13,694	3.48	$8.83	$120,890	0	0.00	$0.00	$0	$340,461
TOTAL/YEAR	5944	1091		5,967,511	848	$0.076	$457,123	21,823	3.10	$8.83	$192,646	0	0.00	$0.00	$0	$649,769

Building Data: 1977

Gross Area (ft)2 247,616

Gross Volume (ft)3 1,980,928

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	20,367,115
Steam = M (lbs) X 1,000,000	21,822,685
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	42,189,801

Energy Utilization Index =

Total BTU Consumption/Yr	42,189,800,533
Gross Area (ft) 2	247,616
Divided by 100,000 =	1.7038 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$45,698
WATER / SQ. FT. / YEAR	$0.18	
UTILITY COST/YEAR		$695,467

BUILDING: Facilities Support
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	25,790	82	$0.075	$1,944	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,944
August	0	319	100%	28,577	90	$0.075	$2,144	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,144
September	60	191	100%	22,047	88	$0.077	$1,694	24	0.10	$8.83	$212	0	0.00	$0.00	$0	$1,905
October	391	57	100%	17,425	39	$0.076	$1,323	156	0.35	$8.83	$1,378	0	0.00	$0.00	$0	$2,701
November	841	1	100%	15,219	18	$0.076	$1,156	336	0.40	$8.83	$2,965	0	0.00	$0.00	$0	$4,120
December	922	0	100%	15,720	17	$0.072	$1,130	368	0.40	$8.83	$3,250	0	0.00	$0.00	$0	$4,381
1st half yr	2214	882		124,778	40	$0.075	$9,391	884	0.29	$8.83	$7,805	0	0.00	$0.00	$0	$17,196
January	1242	0	100%	17,864	14	$0.074	$1,316	496	0.40	$8.83	$4,378	0	0.00	$0.00	$0	$5,694
February	963	0	100%	15,496	16	$0.078	$1,212	385	0.40	$8.83	$3,395	0	0.00	$0.00	$0	$4,607
March	911	0	100%	16,863	19	$0.075	$1,258	364	0.40	$8.83	$3,211	0	0.00	$0.00	$0	$4,470
April	421	0	100%	15,636	37	$0.080	$1,246	168	0.40	$8.83	$1,484	0	0.00	$0.00	$0	$2,730
May	170	46	100%	20,624	95	$0.080	$1,657	68	0.31	$8.83	$599	0	0.00	$0.00	$0	$2,256
June	23	163	100%	23,417	126	$0.080	$1,881	9	0.05	$8.83	$81	0	0.00	$0.00	$0	$1,963
2nd half yr	3730	209		109,900	28	$0.078	$8,571	1,489	0.38	$8.83	$13,149	0	0.00	$0.00	$0	$21,720
TOTAL/YEAR	5944	1091		234,678	33	$0.076	$17,962	2,374	0.34	$8.83	$20,953	0	0.00	$0.00	$0	$38,915

Building Data: 1983

Gross Area (ft)2 26,932

Gross Volume (ft)3 215,456

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	800,956
Steam = M (lbs) X 1,000,000	2,373,548
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	3,174,504

Energy Utilization Index =

Total BTU Consumption/Yr	3,174,504,434
Gross Area (ft) 2	26,932
Divided by 100,000 =	1.1787 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$5,367
WATER / SQ. FT. / YEAR	$0.20	
UTILITY COST/YEAR		$44,282

BUILDING: Glendale Medical Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	49,844	159	$0.075	$3,758	0	0.00	$8.83	$0	22	0.07	$6.11	$134	$3,892
August	0	319	100%	47,171	148	$0.075	$3,538	0	0.00	$8.83	$0	22	0.07	$6.18	$136	$3,674
September	60	191	100%	40,889	163	$0.077	$3,141	0	0.00	$8.83	$0	17	0.07	$6.33	$108	$3,249
October	391	57	100%	32,828	73	$0.076	$2,493	0	0.00	$8.83	$0	14	0.03	$6.22	$87	$2,580
November	841	1	100%	26,324	31	$0.076	$1,999	0	0.00	$8.83	$0	44	0.05	$5.39	$237	$2,236
December	922	0	100%	28,166	31	$0.072	$2,025	0	0.00	$8.83	$0	99	0.11	$4.35	$430	$2,456
1st half yr	2214	882		225,222	73	$0.075	$16,955	0	0.00	$8.83	$0	218	0.07	$5.20	$1,133	$18,087
January	1242	0	100%	30,997	25	$0.074	$2,284	0	0.00	$8.83	$0	120	0.10	$4.49	$539	$2,822
February	963	0	100%	28,592	30	$0.078	$2,236	0	0.00	$8.83	$0	159	0.17	$3.98	$634	$2,870
March	911	0	100%	31,628	35	$0.075	$2,360	0	0.00	$8.83	$0	160	0.18	$3.88	$621	$2,981
April	421	0	100%	32,288	77	$0.080	$2,574	0	0.00	$8.83	$0	113	0.27	$4.44	$502	$3,076
May	170	46	100%	35,492	164	$0.080	$2,852	0	0.00	$8.83	$0	67	0.31	$4.76	$319	$3,170
June	23	163	100%	43,030	231	$0.080	$3,457	0	0.00	$8.83	$0	39	0.21	$4.24	$165	$3,623
2nd half yr	3730	209		202,027	51	$0.078	$15,763	0	0.00	$8.83	$0	658	0.17	$4.22	$2,779	$18,542
TOTAL/YEAR	5944	1091		427,249	61	$0.076	$32,717	0	0.00	$8.83	$0	876	0.12	$4.47	$3,912	$36,629

Building Data: 1989

Gross Area (ft)2 40,516

Gross Volume (ft)3 324,127

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,458,201
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	89,790
TOTAL BTU's x 1,000	1,547,991

Energy Utilization Index =

Total BTU Consumption/Yr	1,547,990,837
Gross Area (ft) 2	40,516
Divided by 100,000 =	0.3821 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.1	
WATER COST TOTAL/YEAR		$6,740
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$43,369

BUILDING: Glendale Medical East (VA)
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	46,925	149	$0.075	$3,538	0	0.00	$8.83	$0	84	0.27	$6.11	$513	$4,051
August	0	319	100%	43,718	137	$0.075	$3,279	0	0.00	$8.83	$0	71	0.22	$6.18	$439	$3,718
September	60	191	100%	43,018	171	$0.077	$3,305	0	0.00	$8.83	$0	75	0.30	$6.33	$475	$3,780
October	391	57	100%	22,422	50	$0.076	$1,702	0	0.00	$8.83	$0	84	0.19	$6.22	$522	$2,225
November	841	1	100%	19,843	24	$0.076	$1,507	0	0.00	$8.83	$0	91	0.11	$5.39	$491	$1,998
December	922	0	100%	25,071	27	$0.072	$1,803	0	0.00	$8.83	$0	156	0.17	$4.35	$678	$2,481
1st half yr	2214	882		200,997	65	$0.075	$15,134	0	0.00	$8.83	$0	561	0.18	$5.56	$3,118	$18,252
January	1242	0	100%	26,905	22	$0.074	$1,982	0	0.00	$8.83	$0	153	0.12	$4.49	$687	$2,669
February	963	0	100%	23,999	25	$0.078	$1,877	0	0.00	$8.83	$0	170	0.18	$3.98	$677	$2,554
March	911	0	100%	24,940	27	$0.075	$1,861	0	0.00	$8.83	$0	169	0.19	$3.88	$656	$2,516
April	421	0	100%	24,651	59	$0.080	$1,965	0	0.00	$8.83	$0	139	0.33	$4.44	$618	$2,583
May	170	46	100%	30,537	141	$0.080	$2,454	0	0.00	$8.83	$0	92	0.43	$4.76	$438	$2,891
June	23	163	100%	42,759	230	$0.080	$3,436	0	0.00	$8.83	$0	133	0.72	$4.24	$564	$4,000
2nd half yr	3730	209		173,791	44	$0.078	$13,574	0	0.00	$8.83	$0	856	0.22	$4.25	$3,639	$17,213
TOTAL/YEAR	5944	1091		374,788	53	$0.076	$28,709	0	0.00	$8.83	$0	1,417	0.20	$4.77	$6,757	$35,466

Building Data: 1978

Gross Area (ft)2 40,447

Gross Volume (ft)3 323,576

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,279,151
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	145,243
TOTAL BTU's x 1,000	1,424,394

Energy Utilization Index =

Total BTU Consumption/Yr	1,424,393,944
Gross Area (ft) 2	40,447
Divided by 100,000 =	0.3522 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.17	
WATER COST TOTAL/YEAR		$5,456
WATER / SQ. FT. / YEAR	$0.13	
UTILITY COST/YEAR		$40,921

BUILDING: Health Education Building
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	1,865,310	5,940	$0.075	$140,631	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$140,631
August	0	319	100%	2,264,457	7,099	$0.075	$169,859	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$169,859
September	60	191	100%	1,957,665	7,799	$0.077	$150,403	227	0.90	$8.83	$2,002	0	0.00	$0.00	$0	$152,405
October	391	57	100%	1,481,606	3,307	$0.076	$112,493	1,478	3.30	$8.83	$13,044	0	0.00	$0.00	$0	$125,537
November	841	1	100%	1,097,319	1,303	$0.076	$83,335	3,178	3.77	$8.83	$28,056	0	0.00	$0.00	$0	$111,391
December	922	0	100%	1,062,604	1,152	$0.072	$76,411	3,484	3.78	$8.83	$30,758	0	0.00	$0.00	$0	$107,169
1st half yr	2214	882		9,728,961	3,142	$0.075	$733,133	8,367	2.70	$8.83	$73,860	0	0.00	$0.00	$0	$806,992
January	1242	0	100%	1,162,415	936	$0.074	$85,641	4,694	3.78	$8.83	$41,433	0	0.00	$0.00	$0	$127,074
February	963	0	100%	1,049,263	1,090	$0.078	$82,068	3,639	3.78	$8.83	$32,126	0	0.00	$0.00	$0	$114,194
March	911	0	100%	1,091,452	1,198	$0.075	$81,438	3,443	3.78	$8.83	$30,391	0	0.00	$0.00	$0	$111,829
April	421	0	100%	1,174,254	2,789	$0.080	$93,602	1,591	3.78	$8.83	$14,045	0	0.00	$0.00	$0	$107,647
May	170	46	100%	1,752,755	8,115	$0.080	$140,826	642	2.97	$8.83	$5,671	0	0.00	$0.00	$0	$146,498
June	23	163	100%	1,771,248	9,523	$0.080	$142,312	87	0.47	$8.83	$767	0	0.00	$0.00	$0	$143,079
2nd half yr	3730	209		8,001,387	2,031	$0.078	$625,888	14,096	3.58	$8.83	$124,434	0	0.00	$0.00	$0	$750,321
TOTAL/YEAR	5944	1091		17,730,348	2,520	$0.076	$1,359,020	22,462	3.19	$8.83	$198,293	0	0.00	$0.00	$0	$1,557,314

Building Data: 1973

Gross Area (ft)2 254,875

Gross Volume (ft)3 2,039,000

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	60,513,678
Steam = M (lbs) X 1,000,000	22,462,430
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	82,976,107

Energy Utilization Index =

Total BTU Consumption/Yr	82,976,107,309
Gross Area (ft) 2	254,875
Divided by 100,000 =	3.2556 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.00	
WATER COST TOTAL/YEAR		$143,201
WATER / SQ. FT. / YEAR	$0.56	
UTILITY COST/YEAR		$1,700,514

BUILDING: Health Science Bldg. (Block) DATE : 11/27/19
FY YEAR: 2019

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	543,782	1,732	$0.075	$40,997	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$40,997
August	0	319	100%	606,773	1,902	$0.075	$45,515	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$45,515
September	60	191	100%	429,488	1,711	$0.077	$32,997	150	0.60	$8.83	$1,325	0	0.00	$0.00	$0	$34,322
October	391	57	100%	367,957	821	$0.076	$27,938	978	2.18	$8.83	$8,637	0	0.00	$0.00	$0	$36,575
November	841	1	100%	326,538	388	$0.076	$24,799	2,104	2.50	$8.83	$18,577	0	0.00	$0.00	$0	$43,376
December	922	0	100%	320,257	347	$0.072	$23,029	2,307	2.50	$8.83	$20,366	0	0.00	$0.00	$0	$43,396
1st half yr	2214	882		2,594,795	838	$0.075	$195,274	5,540	1.79	$8.83	$48,906	0	0.00	$0.00	$0	$244,180
January	1242	0	100%	346,485	279	$0.074	$25,527	3,108	2.50	$8.83	$27,435	0	0.00	$0.00	$0	$52,962
February	963	0	100%	304,331	316	$0.078	$23,803	2,410	2.50	$8.83	$21,272	0	0.00	$0.00	$0	$45,075
March	911	0	100%	335,148	368	$0.075	$25,007	2,280	2.50	$8.83	$20,123	0	0.00	$0.00	$0	$45,130
April	421	0	100%	294,722	700	$0.080	$23,493	1,053	2.50	$8.83	$9,300	0	0.00	$0.00	$0	$32,792
May	170	46	100%	344,612	1,595	$0.080	$27,688	425	1.97	$8.83	$3,755	0	0.00	$0.00	$0	$31,443
June	23	163	100%	498,026	2,678	$0.080	$40,014	58	0.31	$8.83	$508	0	0.00	$0.00	$0	$40,522
2nd half yr	3730	209		2,123,324	539	$0.078	$165,533	9,333	2.37	$8.83	$82,393	0	0.00	$0.00	$0	$247,926
TOTAL/YEAR	5944	1091		4,718,119	671	$0.076	$360,807	14,873	2.11	$8.83	$131,299	0	0.00	$0.00	$0	$492,106

Building Data: 1970

Gross Area (ft)2 168,764

Gross Volume (ft)3 1,350,112

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	16,102,940
Steam = M (lbs) X 1,000,000	14,873,367
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	30,976,307

Energy Utilization Index =

Total BTU Consumption/Yr	30,976,307,353
Gross Area (ft) 2	168,764
Divided by 100,000 =	1.8355 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$2.97	
WATER COST TOTAL/YEAR		$143,201
WATER / SQ. FT. / YEAR	$0.85	
UTILITY COST/YEAR		$645,100

BUILDING: Heatherdowns Educare Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	19,194	61	$0.075	$972	0	0.00	$8.83	$0	413	1.32	$3.93	$1,624	$2,596
August	0	319	100%	19,539	61	$0.075	$1,831	0	0.00	$8.83	$0	416	1.30	$3.62	$1,506	$3,337
September	60	191	100%	17,471	70	$0.077	$1,608	0	0.00	$8.83	$0	342	1.36	$3.92	$1,339	$2,947
October	391	57	100%	14,556	32	$0.076	$1,892	0	0.00	$8.83	$0	295	0.66	$4.12	$1,216	$3,109
November	841	1	100%	11,779	14	$0.076	$1,140	0	0.00	$8.83	$0	222	0.26	$4.50	$999	$2,139
December	922	0	100%	12,104	13	$0.072	$1,148	0	0.00	$8.83	$0	354	0.38	$3.99	$1,412	$2,559
1st half yr	2214	882		94,643	31	$0.075	$8,591	0	0.00	$8.83	$0	2,042	0.66	$3.96	$8,096	$16,687
January	1242	0	100%	14,040	11	$0.074	$1,214	0	0.00	$8.83	$0	369	0.30	$4.18	$1,544	$2,758
February	963	0	100%	13,027	14	$0.078	$1,220	0	0.00	$8.83	$0	445	0.46	$3.73	$1,659	$2,878
March	911	0	100%	13,378	15	$0.075	$1,421	0	0.00	$8.83	$0	429	0.47	$3.65	$1,566	$2,986
April	421	0	100%	12,444	30	$0.080	$1,216	0	0.00	$8.83	$0	343	0.81	$4.10	$1,407	$2,623
May	170	46	100%	12,583	58	$0.080	$2,834	0	0.00	$8.83	$0	181	0.84	$4.52	$817	$3,652
June	23	163	100%	16,492	89	$0.080	$2,008	0	0.00	$8.83	$0	121	0.65	$5.02	$607	$2,616
2nd half yr	3730	209		81,964	21	$0.078	$9,913	0	0.00	$8.83	$0	1,888	0.48	$4.03	$7,600	$17,513
TOTAL/YEAR	5944	1091		176,607	25	$0.076	$23,465	0	0.00	$8.83	$0	3,930	0.56	$3.99	$15,696	$39,161

Building Data: 1965

Gross Area (ft)2 36,400

Gross Volume (ft)3 291,200

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	602,760
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	402,825
TOTAL BTU's x 1,000	1,005,585

Energy Utilization Index =

Total BTU Consumption/Yr	1,005,584,691	
Gross Area (ft) 2	36,400	
Divided by 100,000 =	0.2763	THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$1.34	
WATER COST TOTAL/YEAR		$8,987
WATER / SQ. FT. / YEAR	$0.25	
UTILITY COST/YEAR		$57,942

BUILDING: Kobacker Hall
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	7,553	24	$0.075	$569	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$569
August	0	319	100%	8,879	28	$0.075	$666	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$666
September	60	191	100%	8,378	33	$0.077	$644	37	0.15	$8.83	$323	0	0.00	$0.00	$0	$967
October	391	57	100%	9,347	21	$0.076	$710	239	0.53	$8.83	$2,105	0	0.00	$0.00	$0	$2,815
November	841	1	100%	9,200	11	$0.076	$699	513	0.61	$8.83	$4,529	0	0.00	$0.00	$0	$5,227
December	922	0	100%	8,750	9	$0.072	$629	562	0.61	$8.83	$4,965	0	0.00	$0.00	$0	$5,594
1st half yr	2214	882		52,107	17	$0.075	$3,917	1,350	0.44	$8.83	$11,922	0	0.00	$0.00	$0	$15,839
January	1242	0	100%	8,941	7	$0.074	$659	758	0.61	$8.83	$6,688	0	0.00	$0.00	$0	$7,347
February	963	0	100%	7,471	8	$0.078	$584	587	0.61	$8.83	$5,186	0	0.00	$0.00	$0	$5,770
March	911	0	100%	8,472	9	$0.075	$632	556	0.61	$8.83	$4,906	0	0.00	$0.00	$0	$5,538
April	421	0	100%	7,789	19	$0.080	$621	257	0.61	$8.83	$2,267	0	0.00	$0.00	$0	$2,888
May	170	46	100%	8,994	42	$0.080	$723	104	0.48	$8.83	$915	0	0.00	$0.00	$0	$1,638
June	23	163	100%	7,837	42	$0.080	$630	14	0.08	$8.83	$124	0	0.00	$0.00	$0	$754
2nd half yr	3730	209		49,504	13	$0.078	$3,848	2,275	0.58	$8.83	$20,085	0	0.00	$0.00	$0	$23,934
TOTAL/YEAR	5944	1091		101,611	14	$0.076	$7,765	3,626	0.52	$8.83	$32,007	0	0.00	$0.00	$0	$39,772

Building Data: 1982

Gross Area (ft)2 41,140

Gross Volume (ft)3 329,120

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	346,798
Steam = M (lbs) X 1,000,000	3,625,716
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	3,972,514

Energy Utilization Index =

Total BTU Consumption/Yr	3,972,514,294
Gross Area (ft) 2	41,140
Divided by 100,000 =	0.9656 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$1.20	
WATER COST TOTAL/YEAR		$6,818
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$56,384

BUILDING: Lab Incubator
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	8,544	27	$0.075	$644	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$644
August	0	319	100%	9,379	29	$0.075	$704	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$704
September	60	191	100%	8,093	32	$0.077	$622	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$622
October	391	57	100%	5,635	13	$0.076	$428	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$428
November	841	1	100%	5,427	6	$0.076	$412	0	0.00	$8.83	$0	51	0.06	$7.95	$406	$818
December	922	0	100%	5,158	6	$0.072	$371	0	0.00	$8.83	$0	179	0.19	$3.80	$680	$1,051
1st half yr	2214	882		42,236	14	$0.075	$3,180	0	0.00	$8.83	$0	230	0.07	$4.72	$1,086	$4,266
January	1242	0	100%	5,247	4	$0.074	$387	0	0.00	$8.83	$0	197	0.16	$3.98	$784	$1,170
February	963	0	100%	4,043	4	$0.078	$316	0	0.00	$8.83	$0	231	0.24	$3.59	$830	$1,146
March	911	0	100%	5,037	6	$0.075	$376	0	0.00	$8.83	$0	213	0.23	$3.56	$759	$1,135
April	421	0	100%	4,226	10	$0.080	$337	0	0.00	$8.83	$0	150	0.36	$4.05	$608	$945
May	170	46	100%	3,809	18	$0.080	$306	0	0.00	$8.83	$0	253	1.17	$3.99	$1,009	$1,315
June	23	163	100%	7,715	41	$0.080	$620	0	0.00	$8.83	$0	17	0.09	$4.24	$72	$692
2nd half yr	3730	209		30,077	8	$0.078	$2,341	0	0.00	$8.83	$0	1,061	0.27	$3.83	$4,061	$6,403
TOTAL/YEAR	5944	1091		72,313	10	$0.076	$5,522	0	0.00	$8.83	$0	1,291	0.18	$3.99	$5,147	$10,669

Building Data: 1955

Gross Area (ft)2 20,533

Gross Volume (ft)3 164,264

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	246,804
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	132,328
TOTAL BTU's x 1,000	379,132

Energy Utilization Index =

Total BTU Consumption/Yr 379,131,769
Gross Area (ft) 2 20,533

Divided by 100,000 = 0.1846 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$1.00	
WATER COST TOTAL/YEAR		$1,810
WATER / SQ. FT. / YEAR	$0.09	
UTILITY COST/YEAR		$22,272

BUILDING: Mulford Library
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	125,109	398	$0.075	$9,432	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$9,432
August	0	319	100%	142,241	446	$0.075	$10,670	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$10,670
September	60	191	100%	130,061	518	$0.077	$9,992	123	0.49	$8.83	$1,083	0	0.00	$0.00	$0	$11,076
October	391	57	100%	136,180	304	$0.076	$10,340	800	1.78	$8.83	$7,059	0	0.00	$0.00	$0	$17,399
November	841	1	100%	133,218	158	$0.076	$10,117	1,720	2.04	$8.83	$15,183	0	0.00	$0.00	$0	$25,300
December	922	0	100%	128,288	139	$0.072	$9,225	1,886	2.05	$8.83	$16,645	0	0.00	$0.00	$0	$25,870
1st half yr	2214	882		795,097	257	$0.075	$59,776	4,528	1.46	$8.83	$39,970	0	0.00	$0.00	$0	$99,747
January	1242	0	100%	143,160	115	$0.074	$10,547	2,540	2.05	$8.83	$22,422	0	0.00	$0.00	$0	$32,970
February	963	0	100%	127,173	132	$0.078	$9,947	1,969	2.05	$8.83	$17,386	0	0.00	$0.00	$0	$27,332
March	911	0	100%	138,380	152	$0.075	$10,325	1,863	2.05	$8.83	$16,447	0	0.00	$0.00	$0	$26,772
April	421	0	100%	122,619	291	$0.080	$9,774	861	2.05	$8.83	$7,601	0	0.00	$0.00	$0	$17,375
May	170	46	100%	143,941	666	$0.080	$11,565	348	1.61	$8.83	$3,069	0	0.00	$0.00	$0	$14,634
June	23	163	100%	129,916	698	$0.080	$10,438	47	0.25	$8.83	$415	0	0.00	$0.00	$0	$10,853
2nd half yr	3730	209		805,189	204	$0.078	$62,597	7,628	1.94	$8.83	$67,340	0	0.00	$0.00	$0	$129,936
TOTAL/YEAR	5944	1091		1,600,286	227	$0.076	$122,373	12,156	1.73	$8.83	$107,310	0	0.00	$0.00	$0	$229,683

Building Data: 1973

Gross Area (ft)2 137,930

Gross Volume (ft)3 1,103,440

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	5,461,776
Steam = M (lbs) X 1,000,000	12,155,931
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	17,617,707

Energy Utilization Index =

Total BTU Consumption/Yr	17,617,707,114
Gross Area (ft) 2	137,930
Divided by 100,000 =	1.2773 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$1.74	
WATER COST TOTAL/YEAR		$4,313
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$243,789

BUILDING: Northwest Ohio Medical Technology Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	134,832	429	$0.075	$10,165	0	0.00	$8.83	$0	166	0.53	$5.47	$907	$11,073
August	0	319	100%	137,760	432	$0.075	$10,334	0	0.00	$8.83	$0	164	0.51	$5.19	$851	$11,184
September	60	191	100%	136,424	544	$0.077	$10,481	0	0.00	$8.83	$0	175	0.70	$5.17	$904	$11,385
October	391	57	100%	91,184	204	$0.076	$6,923	0	0.00	$8.83	$0	185	0.41	$5.12	$946	$7,870
November	841	1	100%	61,895	74	$0.076	$4,701	0	0.00	$8.83	$0	225	0.27	$7.95	$1,790	$6,490
December	922	0	100%	66,520	72	$0.072	$4,783	0	0.00	$8.83	$0	360	0.39	$3.80	$1,368	$6,151
1st half yr	2214	882		628,615	203	$0.075	$47,387	0	0.00	$8.83	$0	1,275	0.41	$5.31	$6,766	$54,153
January	1242	0	100%	69,640	56	$0.074	$5,131	0	0.00	$8.83	$0	406	0.33	$3.98	$1,615	$6,746
February	963	0	100%	61,431	64	$0.078	$4,805	0	0.00	$8.83	$0	451	0.47	$3.59	$1,621	$6,425
March	911	0	100%	67,894	75	$0.075	$5,066	0	0.00	$8.83	$0	392	0.43	$3.56	$1,397	$6,463
April	421	0	100%	76,227	181	$0.080	$6,076	0	0.00	$8.83	$0	302	0.72	$4.05	$1,224	$7,300
May	170	46	100%	99,549	461	$0.080	$7,998	0	0.00	$8.83	$0	73	0.34	$3.99	$291	$8,289
June	23	163	100%	130,751	703	$0.080	$10,505	0	0.00	$8.83	$0	199	1.07	$4.24	$845	$11,350
2nd half yr	3730	209		505,492	128	$0.078	$39,581	0	0.00	$8.83	$0	1,823	0.46	$3.84	$6,992	$46,573
TOTAL/YEAR	5944	1091		1,134,107	161	$0.076	$86,969	0	0.00	$8.83	$0	3,098	0.44	$4.44	$13,758	$100,726

Building Data: 1998

Gross Area (ft)2 38,614

Gross Volume (ft)3 308,912

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,870,707
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	317,545
TOTAL BTU's x 1,000	4,188,252

Energy Utilization Index =

Total BTU Consumption/Yr	4,188,252,191
Gross Area (ft) 2	38,614
Divided by 100,000 =	1.0846 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$2.86	
WATER COST TOTAL/YEAR		$7,742
WATER / SQ. FT. / YEAR	$0.20	
UTILITY COST/YEAR		$118,262

BUILDING: Records Retention
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	16,488	53	$0.075	$1,243	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,243
August	0	319	100%	16,553	52	$0.075	$1,242	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,242
September	60	191	100%	15,028	60	$0.077	$1,155	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,155
October	391	57	100%	10,812	24	$0.076	$821	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$821
November	841	1	100%	10,706	13	$0.076	$813	0	0.00	$8.83	$0	51	0.06	$7.95	$406	$1,219
December	922	0	100%	11,766	13	$0.072	$846	0	0.00	$8.83	$0	179	0.19	$3.80	$680	$1,526
1st half yr	2214	882		81,353	26	$0.075	$6,119	0	0.00	$8.83	$0	230	0.07	$4.72	$1,086	$7,205
January	1242	0	100%	13,933	11	$0.074	$1,027	0	0.00	$8.83	$0	197	0.16	$3.98	$784	$1,810
February	963	0	100%	11,601	12	$0.078	$907	0	0.00	$8.83	$0	231	0.24	$3.59	$830	$1,737
March	911	0	100%	12,580	14	$0.075	$939	0	0.00	$8.83	$0	213	0.23	$3.56	$759	$1,698
April	421	0	100%	9,971	24	$0.080	$795	0	0.00	$8.83	$0	150	0.36	$4.05	$608	$1,403
May	170	46	100%	9,532	44	$0.080	$766	0	0.00	$8.83	$0	253	1.17	$3.99	$1,009	$1,774
June	23	163	100%	10,072	54	$0.080	$809	0	0.00	$8.83	$0	17	0.09	$4.24	$72	$881
2nd half yr	3730	209		67,689	17	$0.078	$5,242	0	0.00	$8.83	$0	1,061	0.27	$3.83	$4,061	$9,304
TOTAL/YEAR	5944	1091		149,042	21	$0.076	$11,362	0	0.00	$8.83	$0	1,291	0.18	$3.99	$5,147	$16,509

Building Data: 1956

Gross Area (ft)2 32,086

Gross Volume (ft)3 256,688

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	508,680
Natural Gas = MCF X 102,500	0
Natural Gas = MCF X 102,500	132,328
TOTAL BTU's x 1,000	641,008

Energy Utilization Index =

Total BTU Consumption/Yr	641,007,846
Gross Area (ft) 2	32,086
Divided by 100,000 =	0.1998 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$0.82	
WATER COST TOTAL/YEAR		$1,254
WATER / SQ. FT. / YEAR	$0.04	
UTILITY COST/YEAR		$27,557

BUILDING: Ruppert Health Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	80,613	257	$0.075	$6,078	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$6,078
August	0	319	100%	94,223	295	$0.075	$7,068	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,068
September	60	191	100%	83,855	334	$0.077	$6,442	102	0.40	$8.83	$896	0	0.00	$0.00	$0	$7,339
October	391	57	100%	90,058	201	$0.076	$6,838	662	1.48	$8.83	$5,841	0	0.00	$0.00	$0	$12,678
November	841	1	100%	87,048	103	$0.076	$6,611	1,423	1.69	$8.83	$12,563	0	0.00	$0.00	$0	$19,173
December	922	0	100%	89,926	98	$0.072	$6,466	1,560	1.69	$8.83	$13,773	0	0.00	$0.00	$0	$20,239
1st half yr	2214	882		525,723	170	$0.075	$39,503	3,746	1.21	$8.83	$33,072	0	0.00	$0.00	$0	$72,575
January	1242	0	100%	99,683	80	$0.074	$7,344	2,102	1.69	$8.83	$18,553	0	0.00	$0.00	$0	$25,897
February	963	0	100%	85,779	89	$0.078	$6,709	1,630	1.69	$8.83	$14,385	0	0.00	$0.00	$0	$21,094
March	911	0	100%	91,924	101	$0.075	$6,859	1,542	1.69	$8.83	$13,608	0	0.00	$0.00	$0	$20,467
April	421	0	100%	79,961	190	$0.080	$6,374	712	1.69	$8.83	$6,289	0	0.00	$0.00	$0	$12,663
May	170	46	100%	94,677	438	$0.080	$7,607	288	1.33	$8.83	$2,539	0	0.00	$0.00	$0	$10,146
June	23	163	100%	81,395	438	$0.080	$6,540	39	0.21	$8.83	$344	0	0.00	$0.00	$0	$6,883
2nd half yr	3730	209		533,419	135	$0.078	$41,433	6,312	1.60	$8.83	$55,718	0	0.00	$0.00	$0	$97,151
TOTAL/YEAR	5944	1091		1,059,142	151	$0.076	$80,936	10,058	1.43	$8.83	$88,790	0	0.00	$0.00	$0	$169,726

Building Data: 1985

Gross Area (ft)2 114,126

Gross Volume (ft)3 913,008

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,614,852
Steam = M (lbs) X 1,000,000	10,058,057
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	13,672,908

Energy Utilization Index =

Total BTU Consumption/Yr	13,672,908,493
Gross Area (ft) 2	114,126
Divided by 100,000 =	1.1981 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$1.57	
WATER COST TOTAL/YEAR		$28,677
WATER / SQ. FT. / YEAR	$0.25	
UTILITY COST/YEAR		$208,197

BUILDING: University Medical Ctr (Hospital) DATE : 11/27/19
FY YEAR: 2019

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	1,371,333	4,367	$0.075	$103,389	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$103,389
August	0	319	100%	1,612,392	5,055	$0.075	$120,947	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$120,947
September	60	191	100%	1,396,057	5,562	$0.077	$107,256	336	1.34	$8.83	$2,970	0	0.00	$0.00	$0	$110,226
October	391	57	100%	1,198,416	2,675	$0.076	$90,992	2,192	4.89	$8.83	$19,351	0	0.00	$0.00	$0	$110,343
November	841	1	100%	983,366	1,168	$0.076	$74,681	4,715	5.60	$8.83	$41,623	0	0.00	$0.00	$0	$116,304
December	922	0	100%	977,742	1,060	$0.072	$70,308	5,169	5.61	$8.83	$45,632	0	0.00	$0.00	$0	$115,940
1st half yr	2214	882		7,539,306	2,435	$0.075	$567,573	12,413	4.01	$8.83	$109,575	0	0.00	$0.00	$0	$677,148
January	1242	0	100%	1,031,067	830	$0.074	$75,964	6,963	5.61	$8.83	$61,469	0	0.00	$0.00	$0	$137,433
February	963	0	100%	964,839	1,002	$0.078	$75,465	5,399	5.61	$8.83	$47,661	0	0.00	$0.00	$0	$123,126
March	911	0	100%	1,075,490	1,181	$0.075	$80,247	5,107	5.61	$8.83	$45,087	0	0.00	$0.00	$0	$125,334
April	421	0	100%	1,037,251	2,464	$0.080	$82,681	2,360	5.61	$8.83	$20,836	0	0.00	$0.00	$0	$103,517
May	170	46	100%	1,349,645	6,248	$0.080	$108,438	953	4.41	$8.83	$8,414	0	0.00	$0.00	$0	$116,852
June	23	163	100%	1,343,878	7,225	$0.080	$107,975	129	0.69	$8.83	$1,138	0	0.00	$0.00	$0	$109,113
2nd half yr	3730	209		6,802,170	1,727	$0.078	$530,770	20,912	5.31	$8.83	$184,605	0	0.00	$0.00	$0	$715,375
TOTAL/YEAR	5944	1091		14,341,476	2,039	$0.076	$1,098,343	33,324	4.74	$8.83	$294,181	0	0.00	$0.00	$0	$1,392,524

Building Data: 1976

Gross Area (ft)2 378,123

Gross Volume (ft)3 3,024,984

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	48,947,458
Steam = M (lbs) X 1,000,000	33,324,419
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	82,271,876

Energy Utilization Index =

Total BTU Consumption/Yr	82,271,876,468
Gross Area (ft) 2	378,123
Divided by 100,000 =	2.1758 THERMS

CHILLED WATER COST/YEAR		$9,794
ENERGY COST / SQ. FT. / YEAR	$3.71	
WATER COST TOTAL/YEAR		$288,197
WATER / SQ. FT. / YEAR	$0.76	
UTILITY COST/YEAR		$1,690,514

BUILDING: Basic Science Lab-Classroom Ctr-Allied Health DATE : 11/27/19
FY YEAR: 2019

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	54,850	175	$0.139	$7,646	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,646
August	0	319	100%	54,850	172	$0.137	$7,496	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,496
September	60	191	100%	72,440	289	$0.138	$9,962	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$9,962
October	391	57	100%	97,940	219	$0.123	$12,038	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$12,038
November	841	1	100%	145,670	173	$0.109	$15,813	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$15,813
December	922	0	100%	243,920	265	$0.102	$24,993	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$24,993
1st half yr	2214	882		669,670	216	$0.125	$77,948	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$77,948
January	1242	0	100%	213,190	172	$0.105	$22,458	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$22,458
February	963	0	100%	212,070	220	$0.114	$24,273	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$24,273
March	911	0	100%	91,830	101	$0.130	$11,904	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$11,904
April	421	0	100%	104,790	249	$0.137	$14,315	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$14,315
May	170	46	100%	91,880	425	$0.144	$13,231	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$13,231
June	23	163	100%	117,470	632	$0.143	$16,765	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$16,765
2nd half yr	3730	209		831,230	211	$0.129	$102,945	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$102,945
TOTAL/YEAR	5944	1091		1,500,900	213	$0.127	$180,893	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$180,893

Building Data: 1969

Gross Area (ft)2 77,096

Gross Volume (ft)3 616,768

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	5,122,572
Steam = M (lbs) X 1,000,000	0
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	5,122,572

Energy Utilization Index =

Total BTU Consumption/Yr	5,122,571,700
Gross Area (ft) 2	77,096
Divided by 100,000 =	0.6644 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.35	
WATER COST TOTAL/YEAR		$7,629
WATER / SQ. FT. / YEAR	$0.10	
UTILITY COST/YEAR		$188,522

BUILDING: Engineering Tech Lab Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	22,320	71	$0.139	$3,111	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,111
August	0	319	100%	22,050	69	$0.137	$3,013	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,013
September	60	191	100%	16,710	67	$0.138	$2,298	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,298
October	391	57	100%	36,640	82	$0.123	$4,503	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,503
November	841	1	100%	45,080	54	$0.109	$4,894	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,894
December	922	0	100%	58,480	63	$0.102	$5,992	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,992
1st half yr	2214	882		201,280	65	$0.125	$23,812	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$23,812
January	1242	0	100%	85,620	69	$0.105	$9,020	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$9,020
February	963	0	100%	115,940	120	$0.114	$13,270	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$13,270
March	911	0	100%	46,870	51	$0.130	$6,076	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$6,076
April	421	0	100%	56,880	135	$0.137	$7,770	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,770
May	170	46	100%	40,790	189	$0.144	$5,874	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,874
June	23	163	100%	37,220	200	$0.143	$5,312	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,312
2nd half yr	3730	209		383,320	97	$0.129	$47,321	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$47,321
TOTAL/YEAR	5944	1091		584,600	83	$0.127	$71,133	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$71,133

Building Data: 1969

Gross Area (ft)2 24,812

Gross Volume (ft)3 198,496

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	1,995,240
Steam = M (lbs) X 1,000,000	0
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	1,995,240

Energy Utilization Index =

Total BTU Consumption/Yr	1,995,239,800
Gross Area (ft) 2	24,812
Divided by 100,000 =	0.8041 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.87	
WATER COST TOTAL/YEAR		$2,455
WATER / SQ. FT. / YEAR	$0.10	
UTILITY COST/YEAR		$73,588

BUILDING: Faculty Annex
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	6,140	20	$0.139	$856	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$856
August	0	319	100%	4,550	14	$0.137	$622	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$622
September	60	191	100%	4,010	16	$0.138	$551	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$551
October	391	57	100%	6,870	15	$0.123	$844	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$844
November	841	1	100%	11,900	14	$0.109	$1,292	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,292
December	922	0	100%	19,490	21	$0.102	$1,997	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,997
1st half yr	2214	882		52,960	17	$0.125	$6,162	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$6,162
January	1242	0	100%	18,810	15	$0.105	$1,982	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,982
February	963	0	100%	21,090	22	$0.114	$2,414	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,414
March	911	0	100%	9,290	10	$0.130	$1,204	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,204
April	421	0	100%	13,040	31	$0.137	$1,781	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,781
May	170	46	100%	15,950	74	$0.144	$2,297	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,297
June	23	163	100%	11,130	60	$0.143	$1,588	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$1,588
2nd half yr	3730	209		89,310	23	$0.129	$11,266	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$11,266
TOTAL/YEAR	5944	1091		142,270	20	$0.127	$17,429	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$17,429

Building Data: 1993

Gross Area (ft)2 8,895

Gross Volume (ft)3 71,160

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	485,568
Steam = M (lbs) X 1,000,000	0
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	485,568

Energy Utilization Index =

Total BTU Consumption/Yr	485,567,510
Gross Area (ft) 2	8,895
Divided by 100,000 =	0.5459 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.96	
WATER COST TOTAL/YEAR		$880
WATER / SQ. FT. / YEAR	$0.10	
UTILITY COST/YEAR		$18,309

BUILDING: Findlay Athletic Complex
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	10,813	34	$0.139	$1,507	0	0.00	$8.83	$0	7	0.02	$23.03	$161	$1,669
August	0	319	100%	10,385	33	$0.137	$1,419	0	0.00	$8.83	$0	5	0.02	$30.18	$151	$1,570
September	60	191	100%	8,586	34	$0.138	$1,181	0	0.00	$8.83	$0	22	0.09	$11.48	$252	$1,433
October	391	57	100%	7,820	17	$0.123	$961	0	0.00	$8.83	$0	52	0.12	$8.21	$427	$1,388
November	841	1	100%	8,245	10	$0.109	$895	0	0.00	$8.83	$0	189	0.22	$6.30	$1,190	$2,085
December	922	0	100%	6,028	7	$0.102	$618	0	0.00	$8.83	$0	222	0.24	$6.20	$1,376	$1,994
1st half yr	2214	882		51,878	17	$0.125	$6,581	0	0.00	$8.83	$0	497	0.16	$7.16	$3,558	$10,139
January	1242	0	100%	7,053	6	$0.105	$743	0	0.00	$8.83	$0	236	0.19	$6.13	$1,447	$2,190
February	963	0	100%	8,933	9	$0.114	$1,022	0	0.00	$8.83	$0	245	0.25	$6.10	$1,495	$2,518
March	911	0	100%	7,041	8	$0.130	$913	0	0.00	$8.83	$0	163	0.18	$6.48	$1,053	$1,965
April	421	0	100%	10,362	25	$0.137	$1,415	0	0.00	$8.83	$0	81	0.19	$7.41	$603	$2,019
May	170	46	100%	9,254	43	$0.144	$1,333	0	0.00	$8.83	$0	29	0.13	$10.53	$306	$1,638
June	23	163	100%	11,238	60	$0.143	$1,604	0	0.00	$8.83	$0	7	0.03	$25.91	$168	$1,772
2nd half yr	3730	209		53,881	14	$0.129	$7,030	0	0.00	$8.83	$0	760	0.19	$6.67	$5,071	$12,101
TOTAL/YEAR	5944	1091		105,758	15	$0.127	$13,611	0	0.00	$8.83	$0	1,257	0.18	$6.86	$8,630	$22,241

Building Data: 2000

Gross Area (ft)2 6,593

Gross Volume (ft)3 52,744

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	360,953
Steam = M (lbs) X 1,000,000	0
Natural Gas = MCF X 102,500	128,884
TOTAL BTU's x 1,000	489,836

Energy Utilization Index =

Total BTU Consumption/Yr	489,836,205
Gross Area (ft) 2	6,593
Divided by 100,000 =	0.7430 THERMS

ENERGY COST / SQ. FT. / YEAR	$3.37	
WATER COST TOTAL/YEAR		$4,055
WATER / SQ. FT. / YEAR	$0.61	
UTILITY COST/YEAR		$26,295

BUILDING: LRC ASC and Concourse
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	116,900	372	$0.139	$16,296	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$16,296
August	0	319	100%	60,310	189	$0.137	$8,242	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$8,242
September	60	191	100%	53,430	213	$0.138	$7,348	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,348
October	391	57	100%	124,690	278	$0.123	$15,325	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$15,325
November	841	1	100%	186,300	221	$0.109	$20,224	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$20,224
December	922	0	100%	292,620	317	$0.102	$29,983	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$29,983
1st half yr	2214	882		834,250	269	$0.125	$97,418	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$97,418
January	1242	0	100%	266,820	215	$0.105	$28,108	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$28,108
February	963	0	100%	293,880	305	$0.114	$33,636	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$33,636
March	911	0	100%	122,040	134	$0.130	$15,820	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$15,820
April	421	0	100%	138,660	329	$0.137	$18,942	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$18,942
May	170	46	100%	83,110	385	$0.144	$11,968	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$11,968
June	23	163	100%	50,880	274	$0.143	$7,261	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,261
2nd half yr	3730	209		955,390	243	$0.129	$115,735	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$115,735
TOTAL/YEAR	5944	1091		1,789,640	254	$0.127	$213,153	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$213,153

Building Data: 1969

Gross Area (ft)2 127,430

Gross Volume (ft)3 1,019,440

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	6,108,041
Steam = M (lbs) X 1,000,000	0
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	6,108,041

Energy Utilization Index =

Total BTU Consumption/Yr	6,108,041,320
Gross Area (ft) 2	127,430
Divided by 100,000 =	0.4793 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.67	
WATER COST TOTAL/YEAR		$12,610
WATER / SQ. FT. / YEAR	$0.10	
UTILITY COST/YEAR		$225,763

BUILDING: Non-Academic Services Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	142,805	455	$0.139	$19,907	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$19,907
August	0	319	100%	151,049	474	$0.137	$20,642	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$20,642
September	60	191	100%	96,307	384	$0.138	$13,244	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$13,244
October	391	57	100%	70,592	158	$0.123	$8,676	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$8,676
November	841	1	100%	23,141	27	$0.109	$2,512	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,512
December	922	0	100%	46,832	51	$0.102	$4,799	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,799
1st half yr	2214	882		530,726	171	$0.125	$69,780	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$69,780
January	1242	0	100%	47,252	38	$0.105	$4,978	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,978
February	963	0	100%	35,126	36	$0.114	$4,020	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$4,020
March	911	0	100%	18,457	20	$0.130	$2,393	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$2,393
April	421	0	100%	51,507	122	$0.137	$7,036	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,036
May	170	46	100%	140,935	652	$0.144	$20,295	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$20,295
June	23	163	100%	141,416	760	$0.143	$20,182	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$20,182
2nd half yr	3730	209		434,693	110	$0.129	$58,904	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$58,904
TOTAL/YEAR	5944	1091		965,419	137	$0.127	$128,684	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$128,684

Building Data: 1969

Gross Area (ft)2 14,881

Gross Volume (ft)3 119,048

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	3,294,974
Steam = M (lbs) X 1,000,000	0
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	3,294,974

Energy Utilization Index =

Total BTU Consumption/Yr	3,294,973,998
Gross Area (ft) 2	14,881
Divided by 100,000 =	2.2142 THERMS

ENERGY COST / SQ. FT. / YEAR	$8.65	
WATER COST TOTAL/YEAR		$17,085
WATER / SQ. FT. / YEAR	$1.15	
UTILITY COST/YEAR		$145,769

BUILDING: Scott Park Student Center
FY YEAR: 2019

DATE : 11/27/19

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				NATURAL GAS				TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	M (Lbs) per DD	Cost per McF	TOTAL	
July	0	314	100%	50,280	160	$0.139	$7,009	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$7,009
August	0	319	100%	43,750	137	$0.137	$5,979	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,979
September	60	191	100%	41,150	164	$0.138	$5,659	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,659
October	391	57	100%	66,150	148	$0.123	$8,130	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$8,130
November	841	1	100%	87,740	104	$0.109	$9,525	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$9,525
December	922	0	100%	118,280	128	$0.102	$12,120	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$12,120
1st half yr	2214	882		407,350	132	$0.125	$48,421	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$48,421
January	1242	0	100%	90,190	73	$0.105	$9,501	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$9,501
February	963	0	100%	88,370	92	$0.114	$10,114	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$10,114
March	911	0	100%	41,590	46	$0.130	$5,391	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,391
April	421	0	100%	46,130	110	$0.137	$6,302	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$6,302
May	170	46	100%	36,550	169	$0.144	$5,263	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$5,263
June	23	163	100%	25,900	139	$0.143	$3,696	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$3,696
2nd half yr	3730	209		328,730	83	$0.129	$40,268	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$40,268
TOTAL/YEAR	5944	1091		736,080	105	$0.127	$88,689	0	0.00	$8.83	$0	0	0.00	$0.00	$0	$88,689

Building Data: 1974

Gross Area (ft)2 30,601

Gross Volume (ft)3 244,808

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	2,512,241
Steam = M (lbs) X 1,000,000	0
Natural Gas = MCF X 102,500	0
TOTAL BTU's x 1,000	2,512,241

Energy Utilization Index =

Total BTU Consumption/Yr	2,512,241,040
Gross Area (ft) 2	30,601
Divided by 100,000 =	0.8210 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.90	
WATER COST TOTAL/YEAR		$7,017
WATER / SQ. FT. / YEAR	$0.23	
UTILITY COST/YEAR		$95,706