Energy Summary

The University of Toledo

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

FY16

THE UNIVERSITY OF TOLEDO 1872

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YEARLY DEGREE DAY SUMMARY

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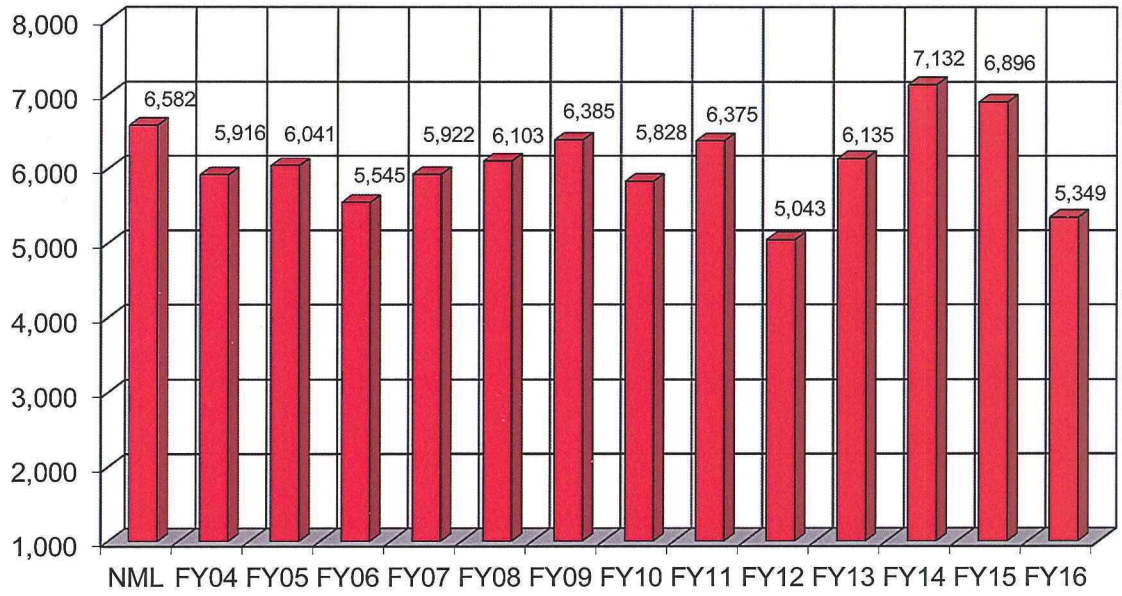
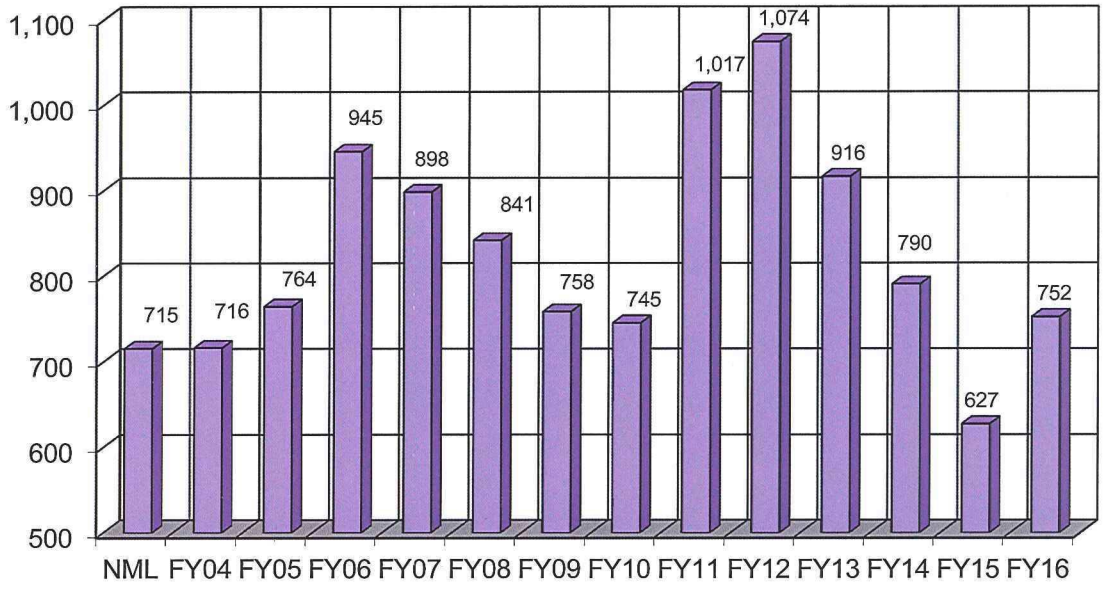
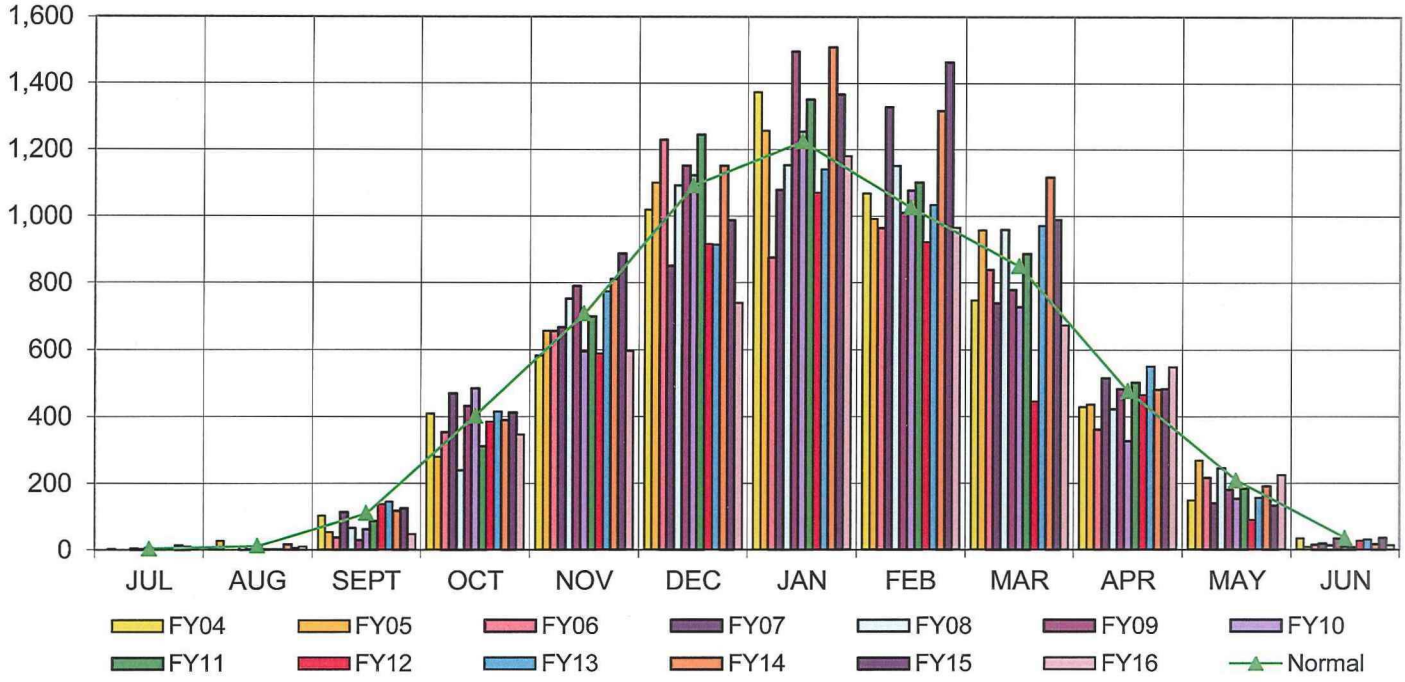


COOLING DEGREE DAYS

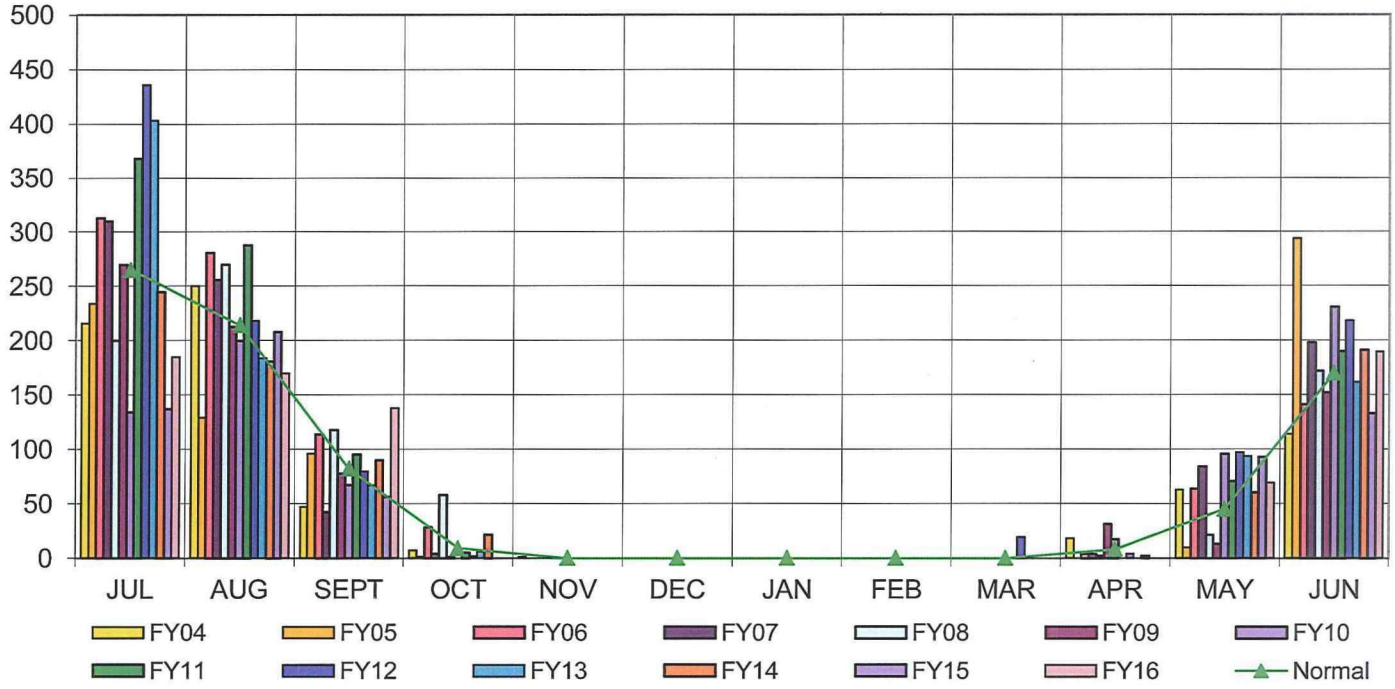


MONTHLY DEGREE DAY SUMMARY

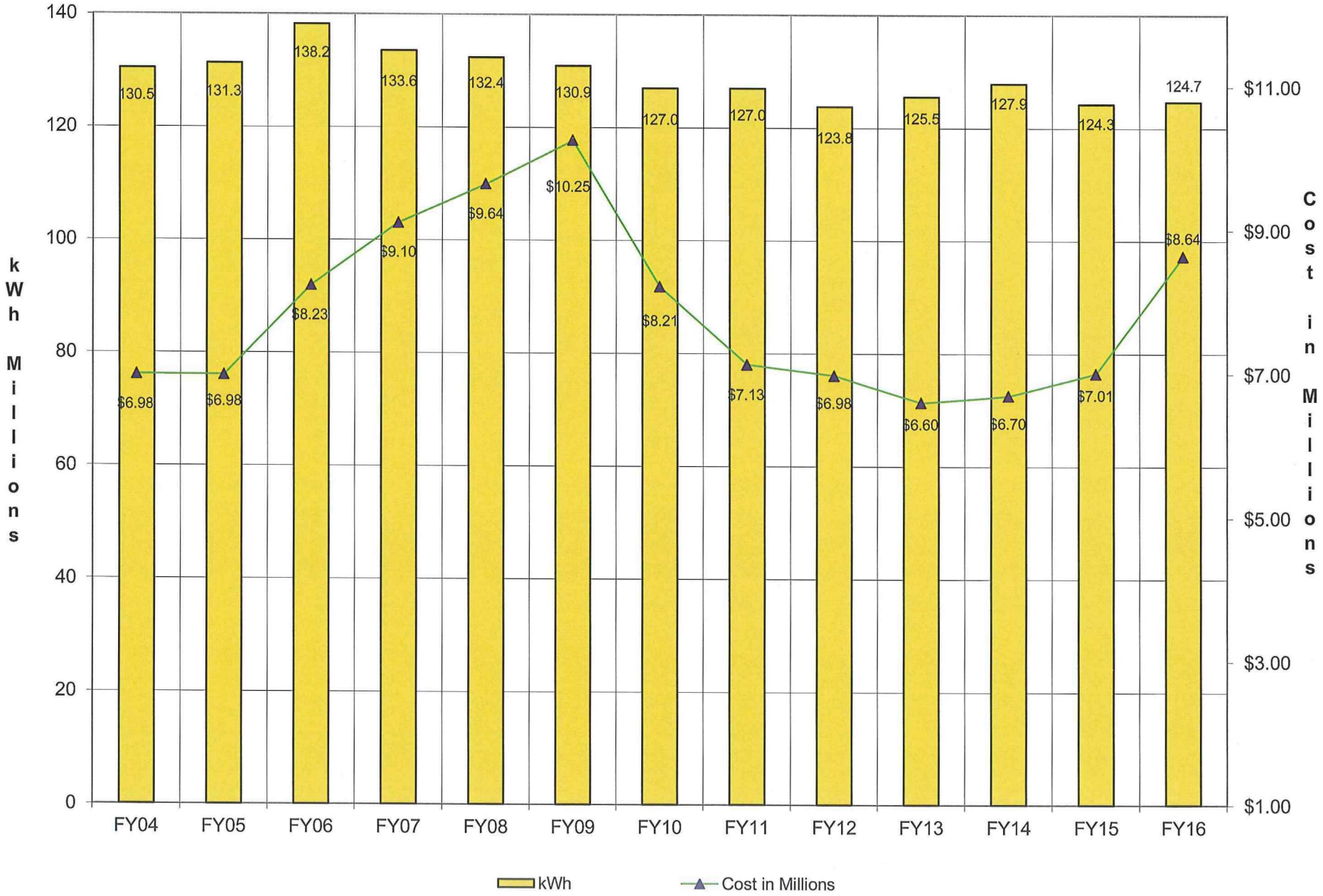
HEATING DEGREE DAYS



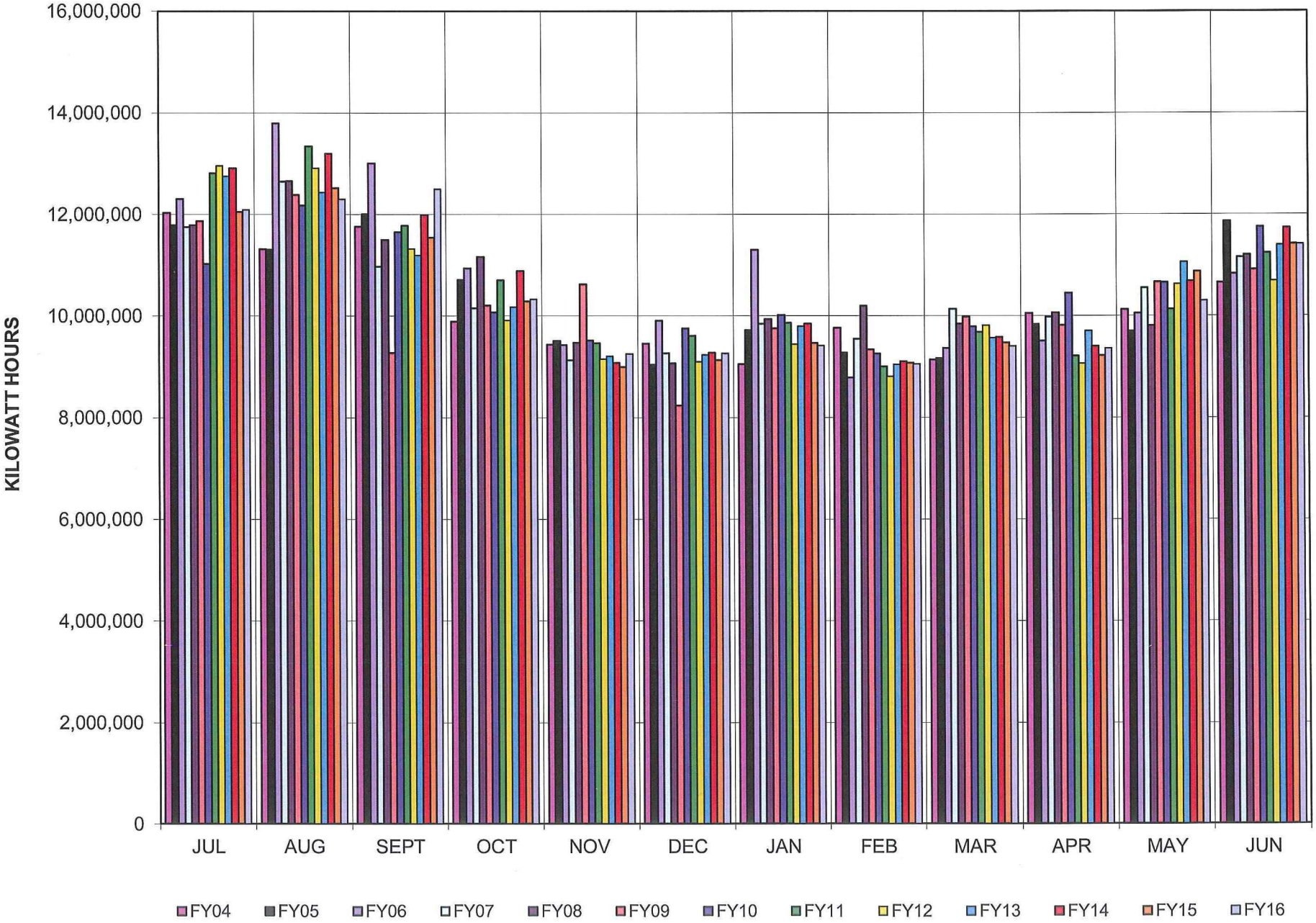
COOLING DEGREE DAYS



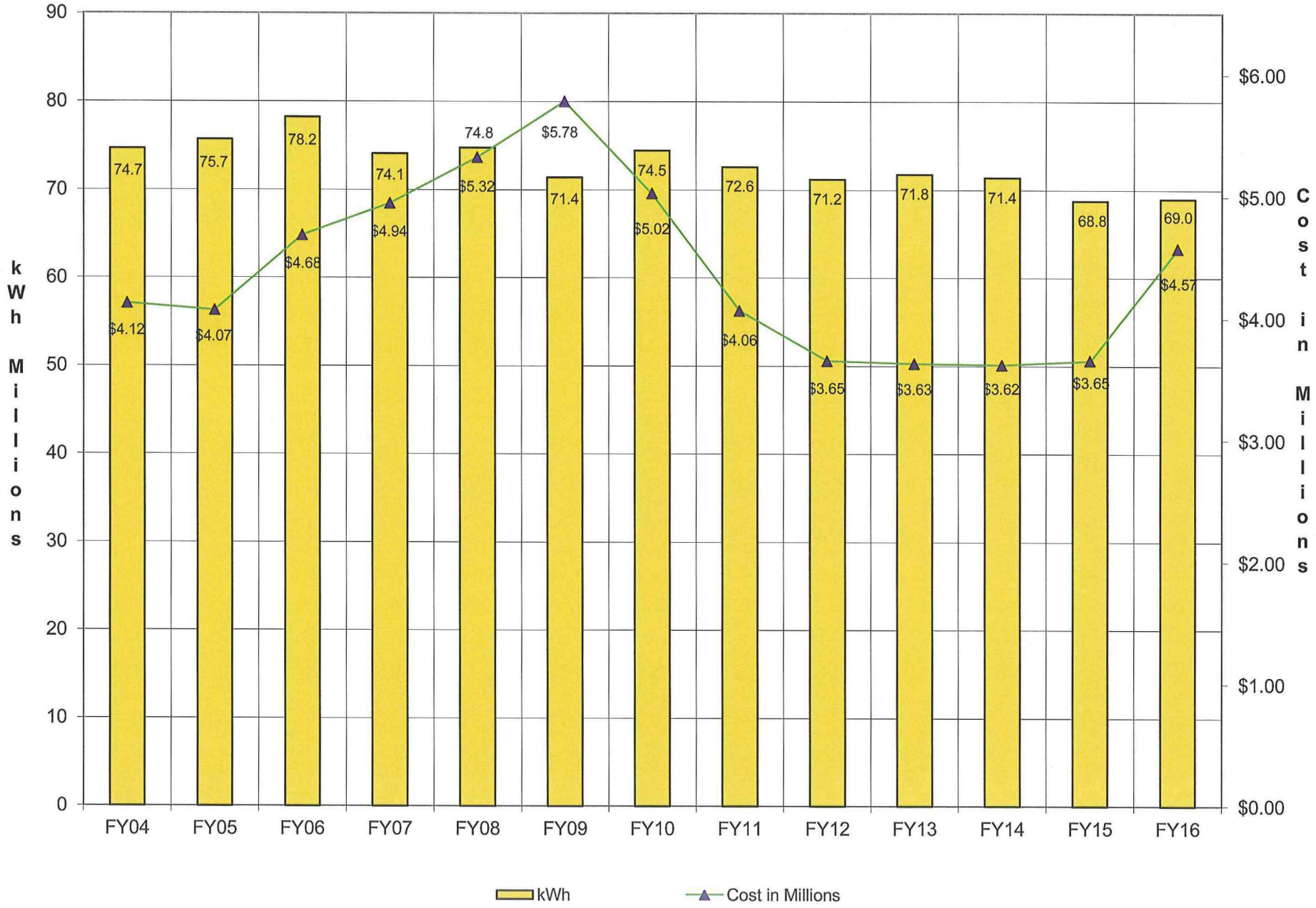
UT ALL CAMPUSES YEARLY SUBSTATION with COST



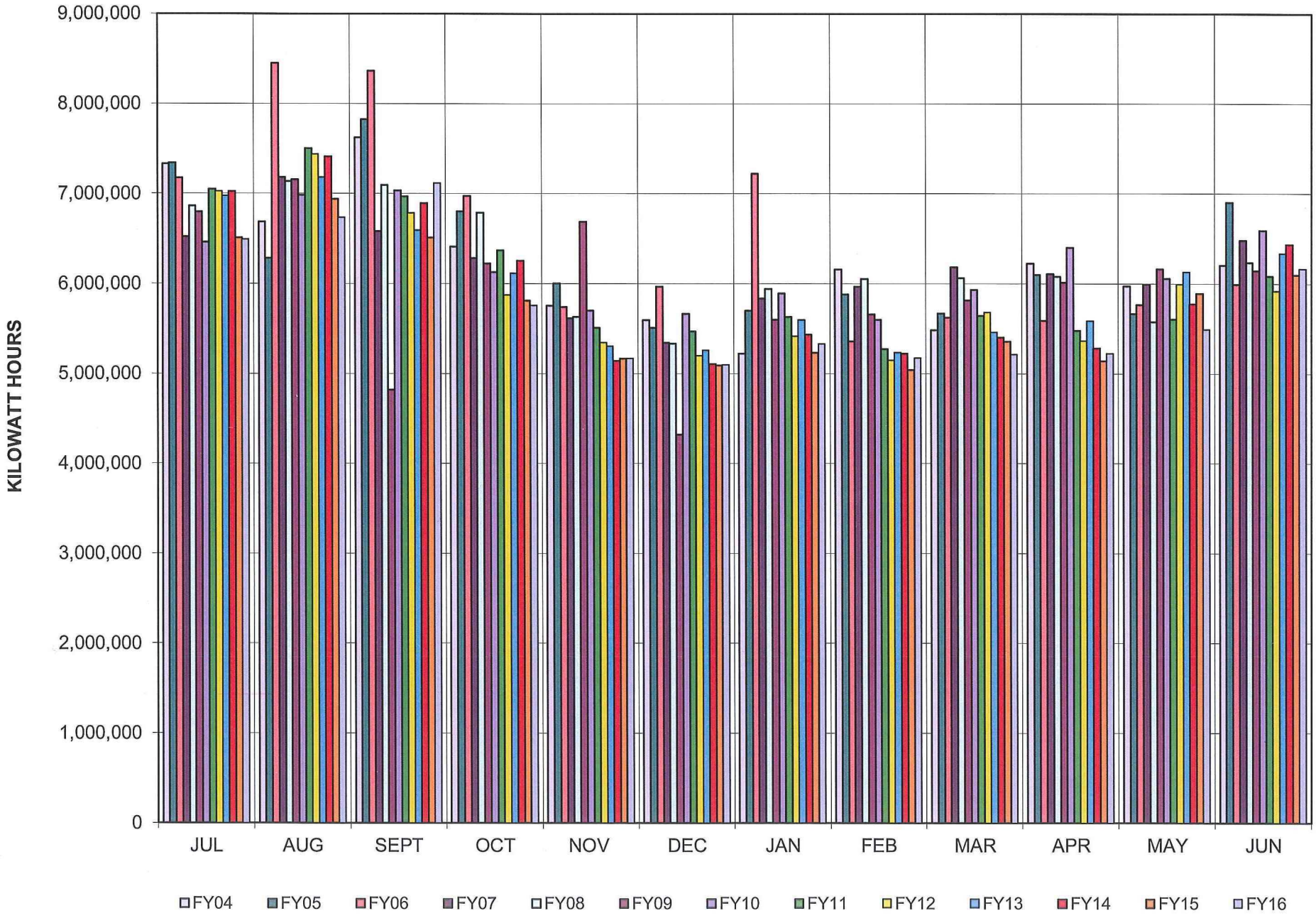
UT ALL CAMPUSES MONTHLY SUBSTATION



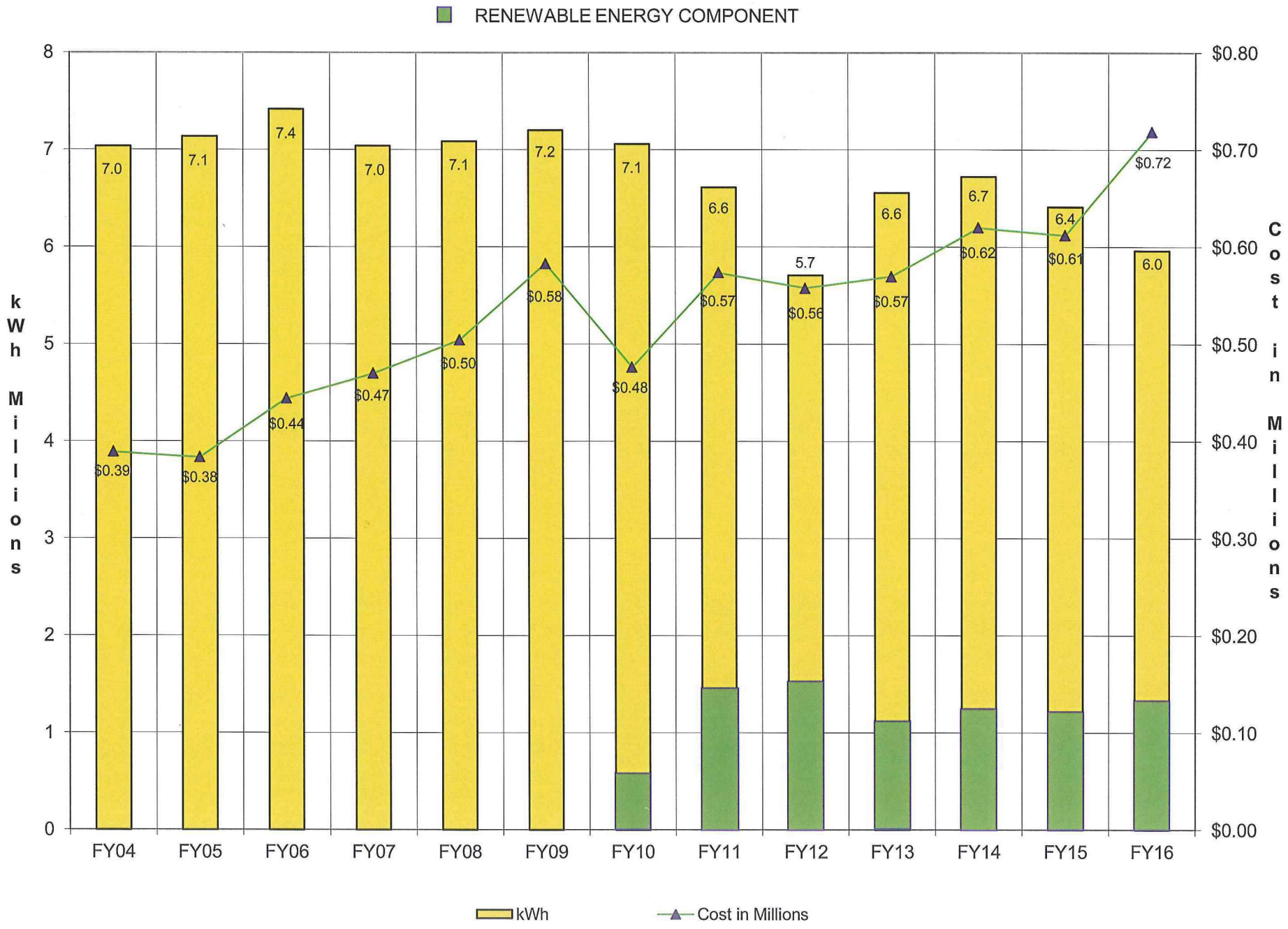
MAIN CAMPUS YEARLY SUBSTATION with COST



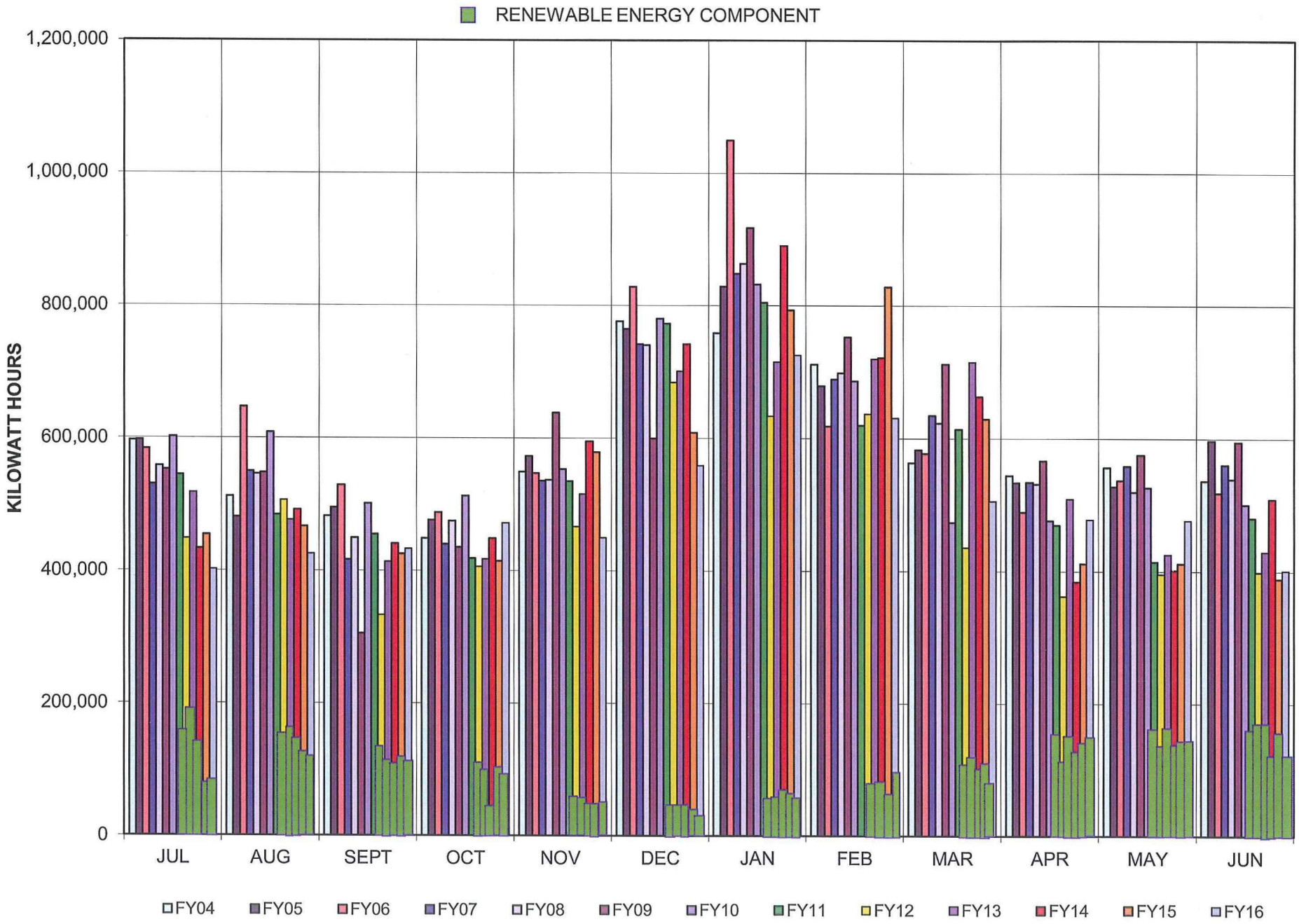
MAIN CAMPUS MONTHLY SUBSTATION



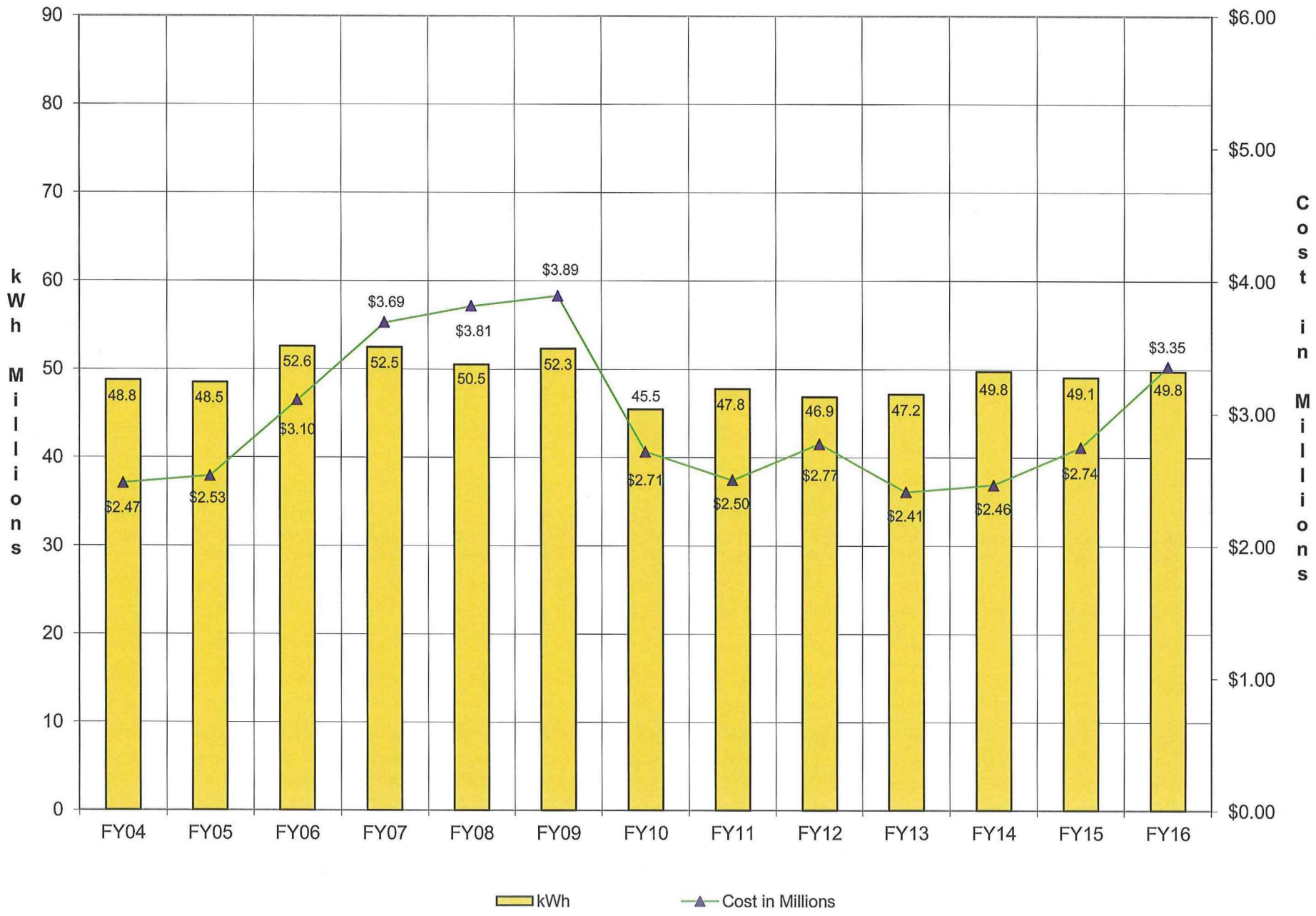
SCOTT PARK CAMPUS YEARLY SUBSTATION with COST



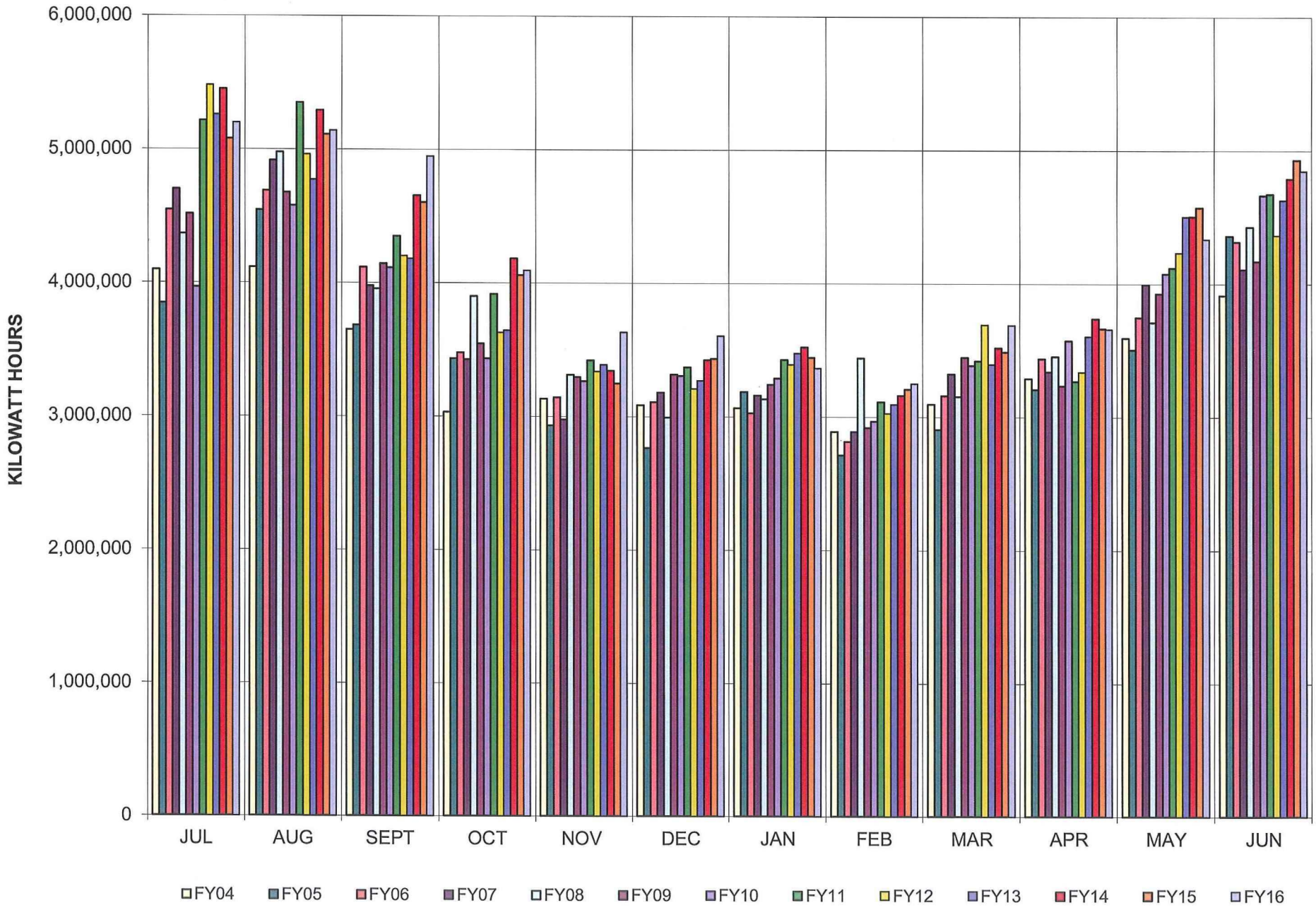
SCOTT PARK CAMPUS MONTHLY SUBSTATION



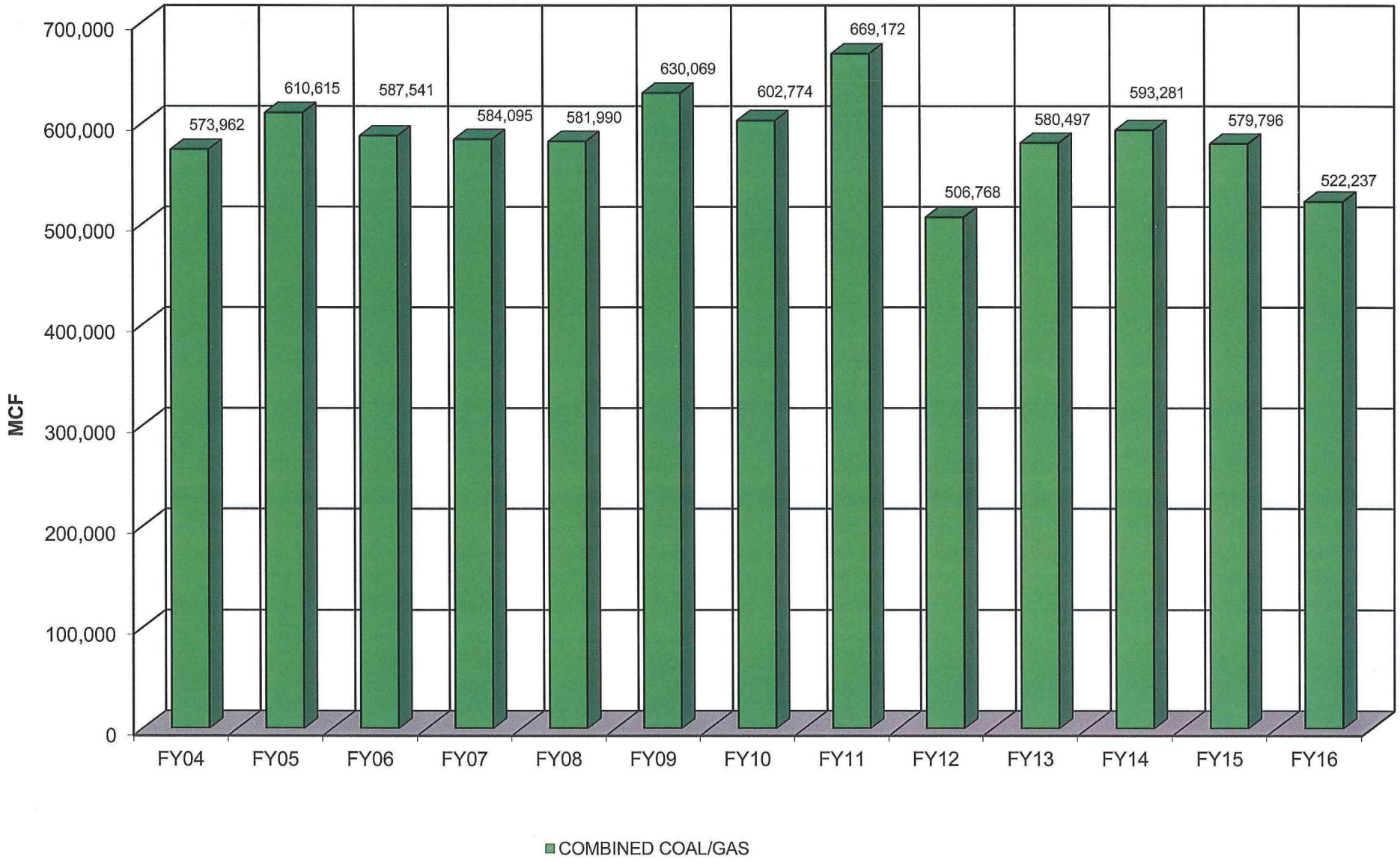
HEALTH SCIENCE CAMPUS YEARLY SUBSTATION with COST



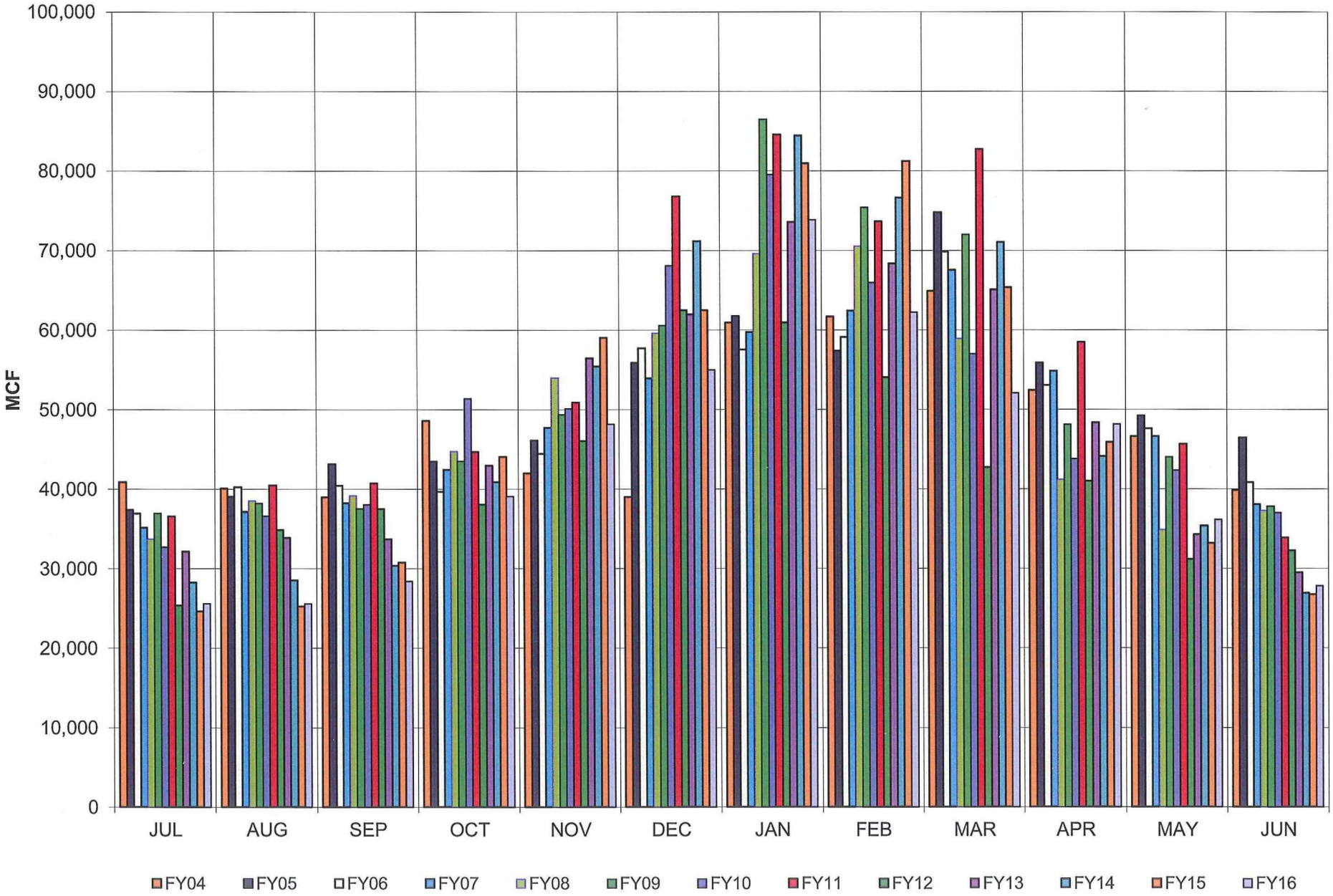
HEALTH SCIENCE CAMPUS MONTHLY SUBSTATION



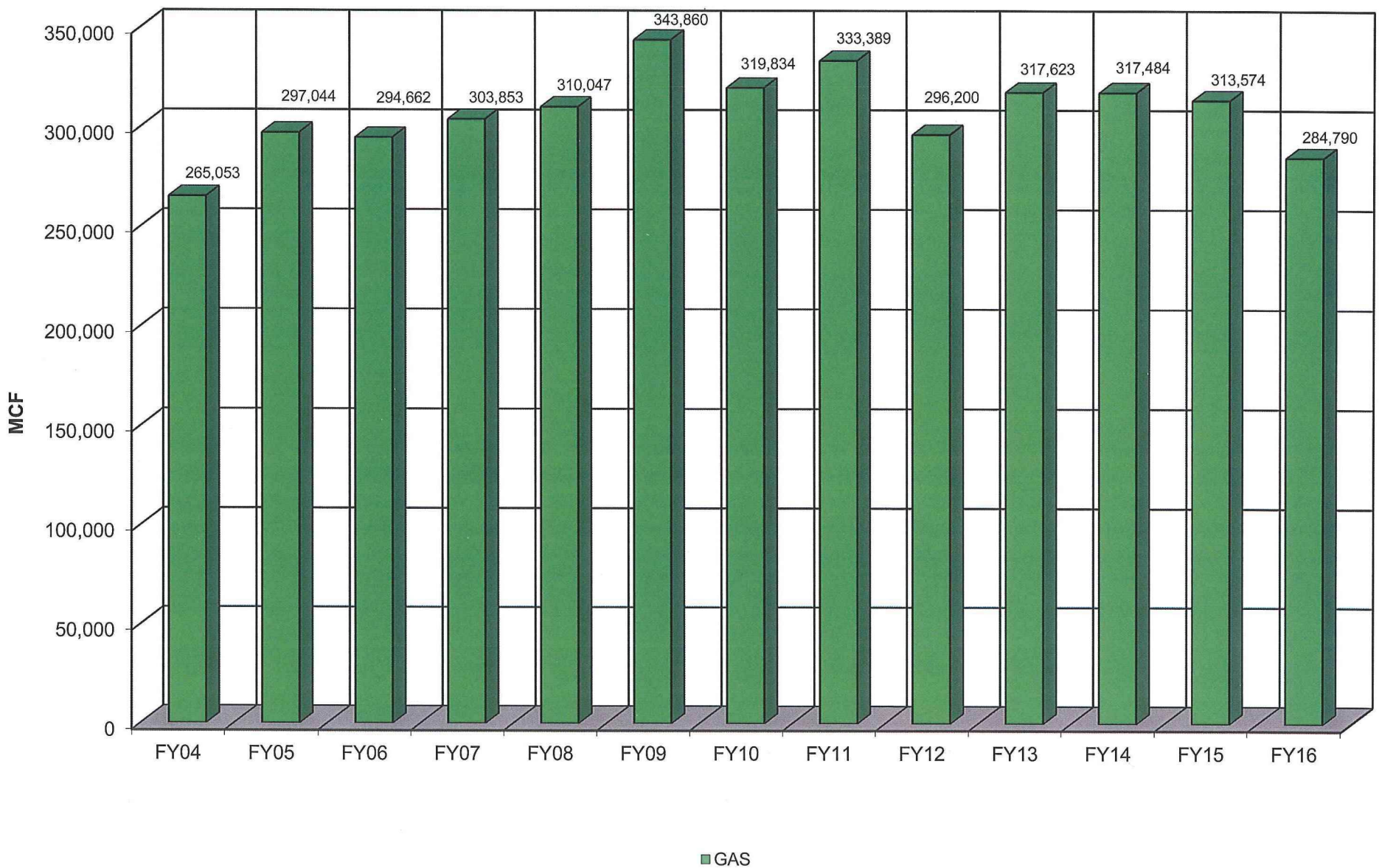
UT ALL CAMPUSES YEARLY STEAM PLANT COMBINED COAL/GAS



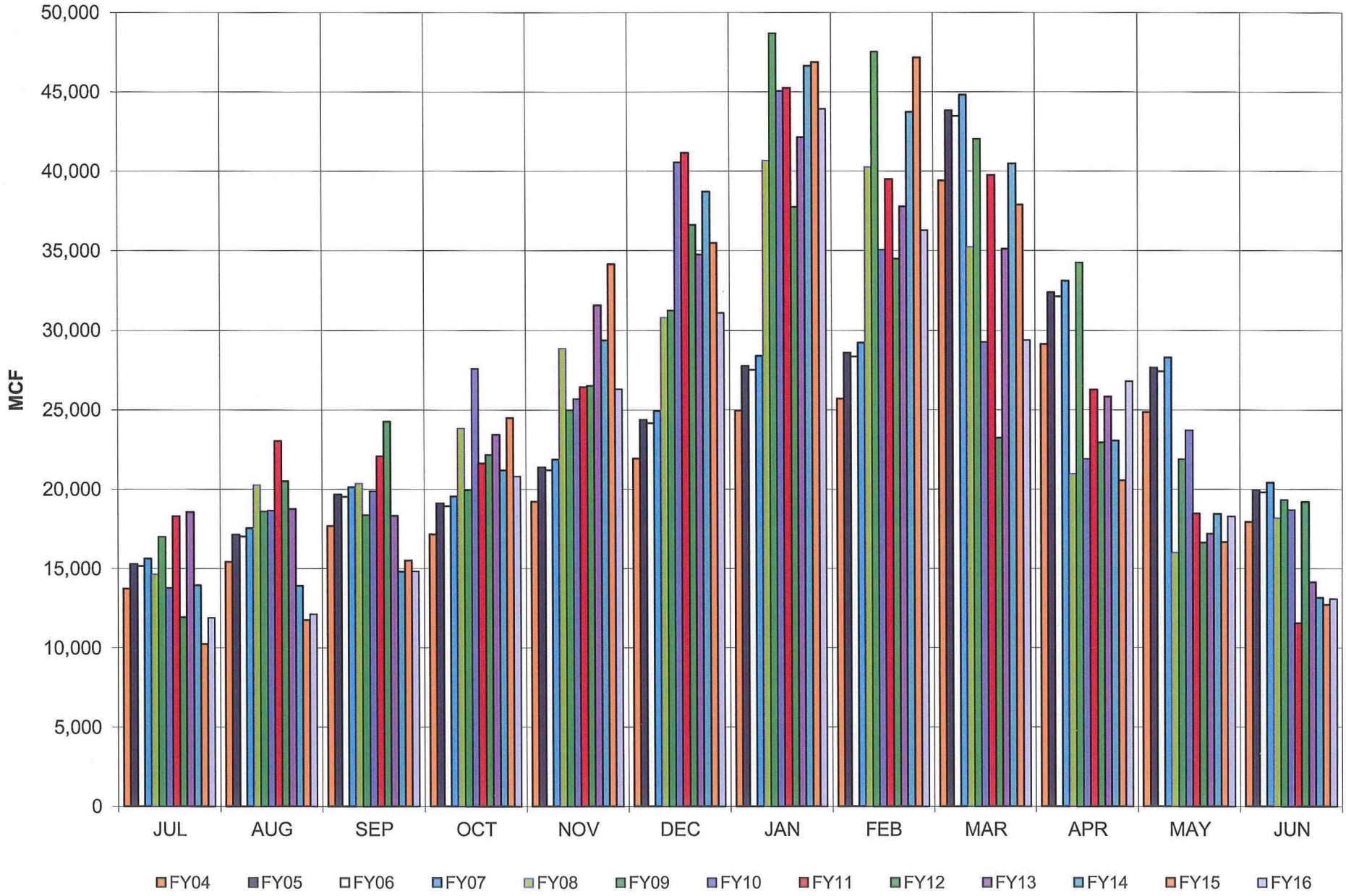
UT ALL CAMPUSES MONTHLY STEAM PLANT COAL/GAS



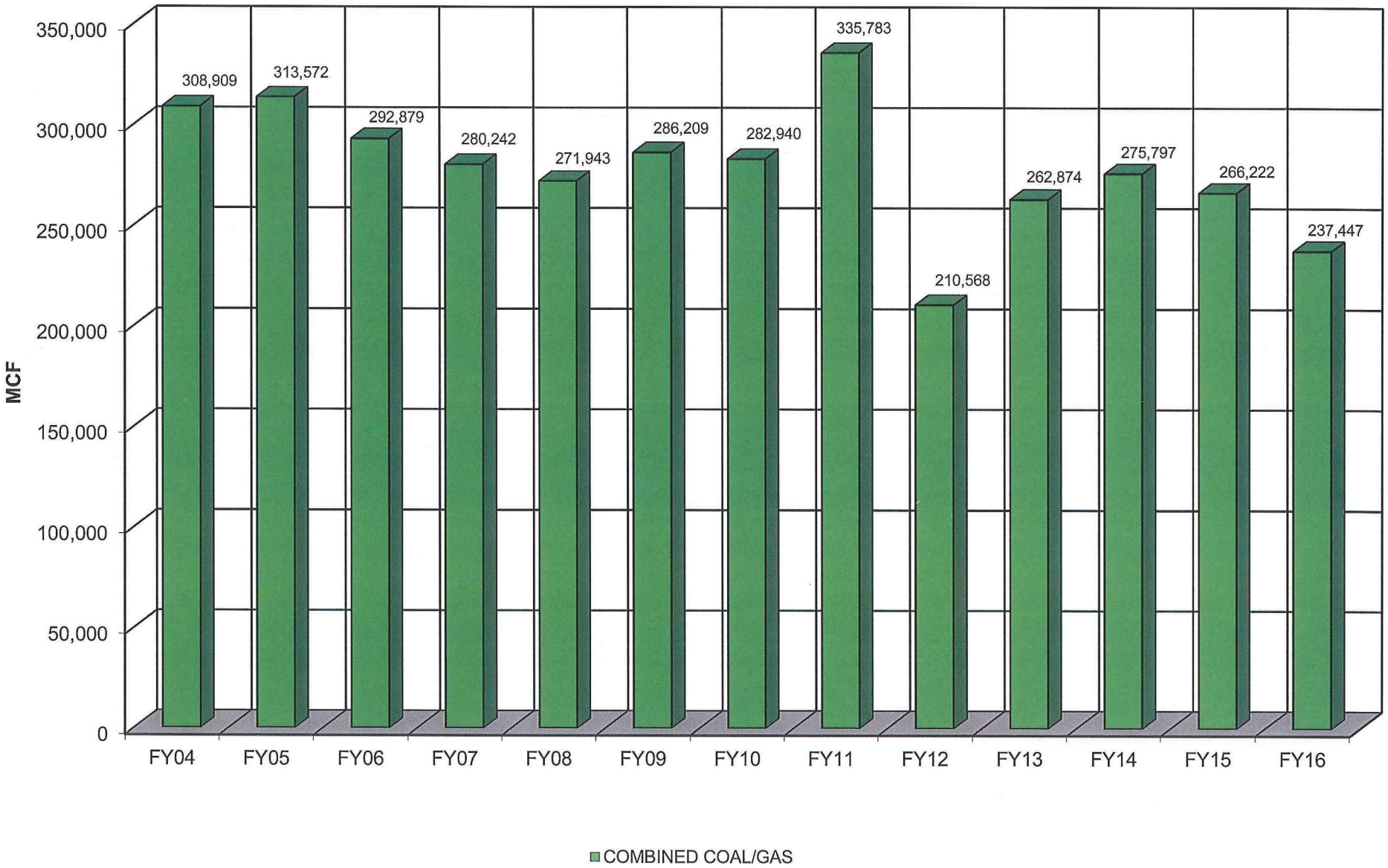
MAIN CAMPUS YEARLY STEAM PLANT GAS



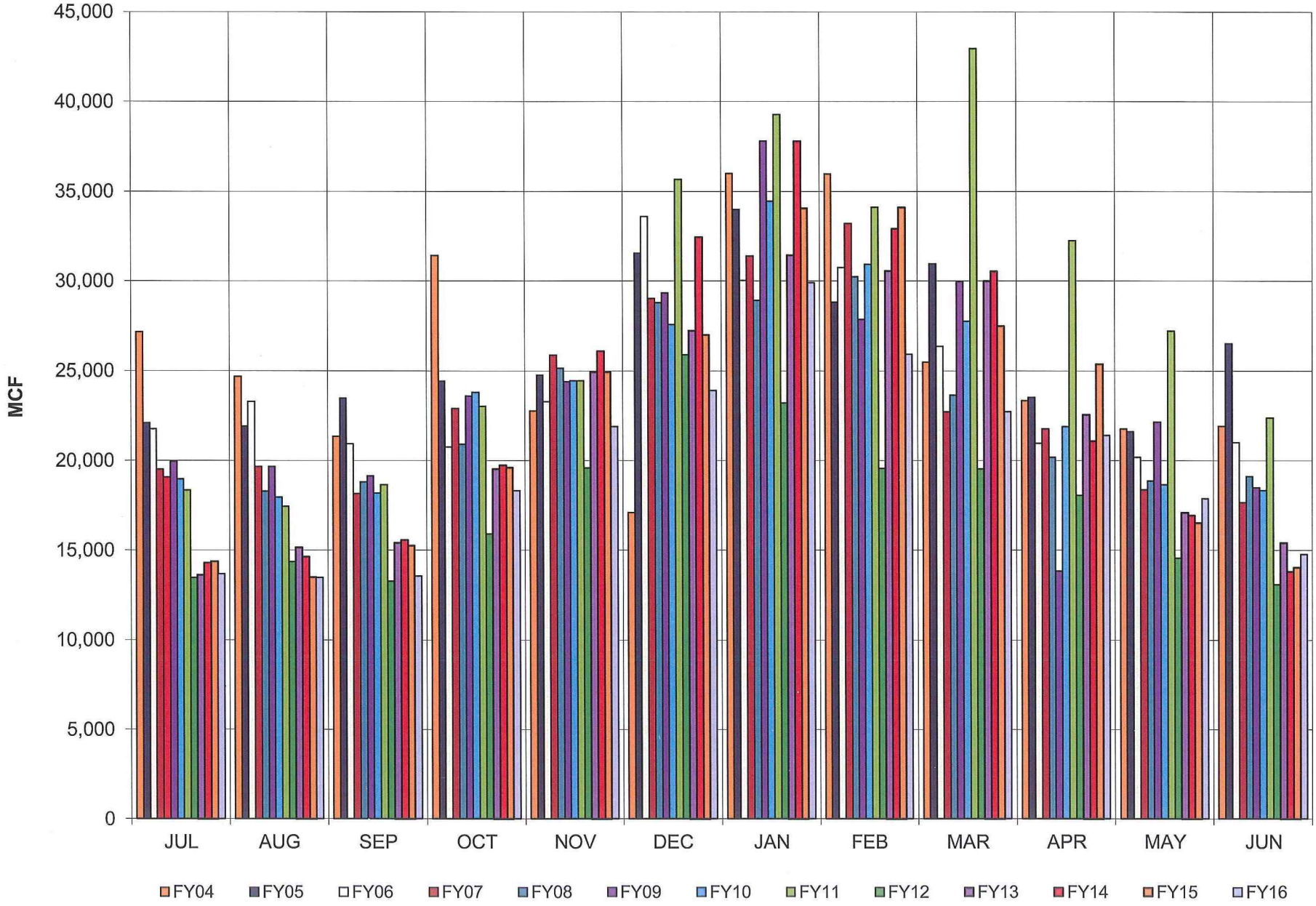
MAIN CAMPUS MONTHLY STEAM PLANT GAS



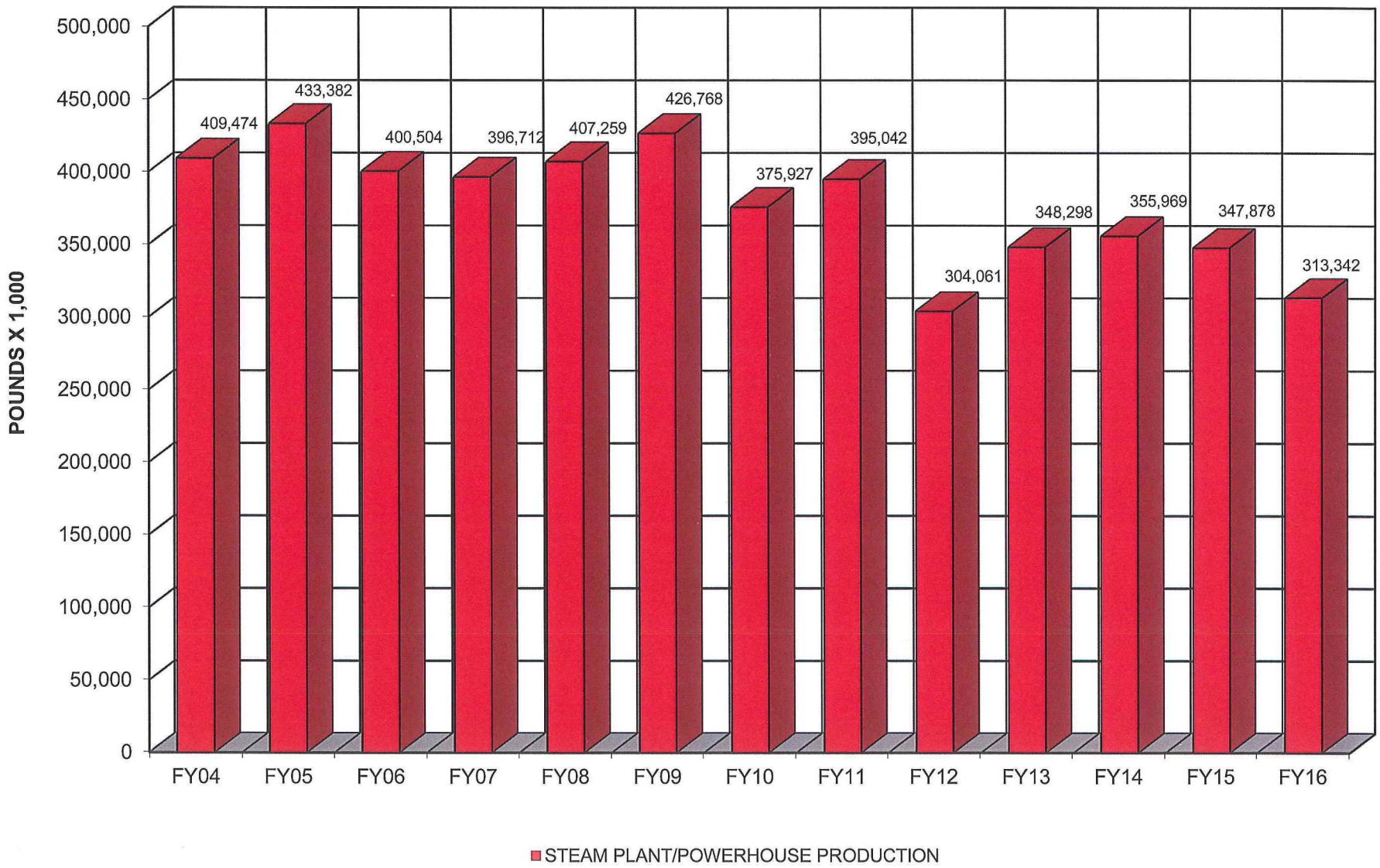
HEALTH SCIENCE CAMPUS YEARLY POWERHOUSE COAL/GAS



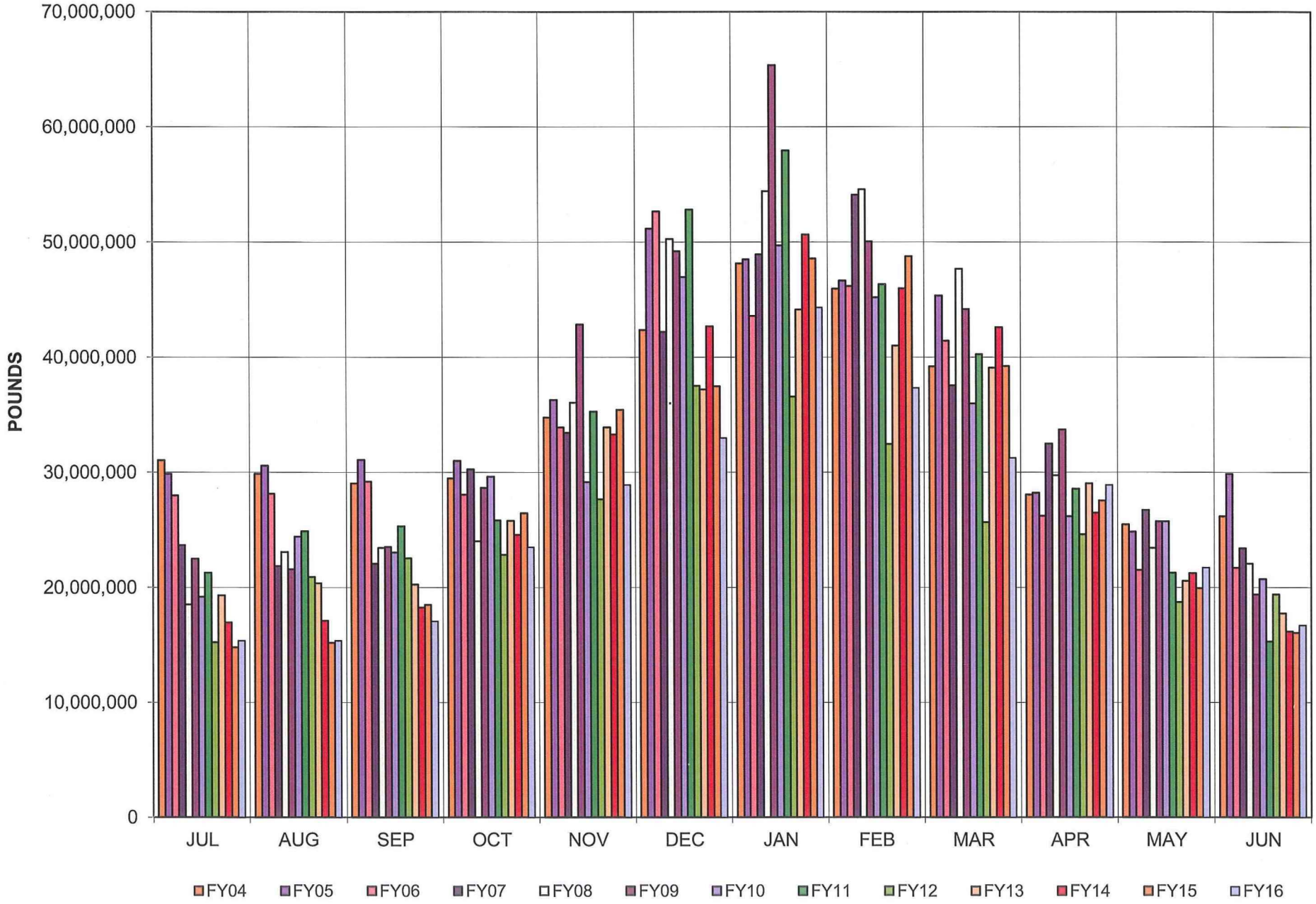
HEALTH SCIENCE CAMPUS MONTHLY POWERHOUSE COAL/GAS



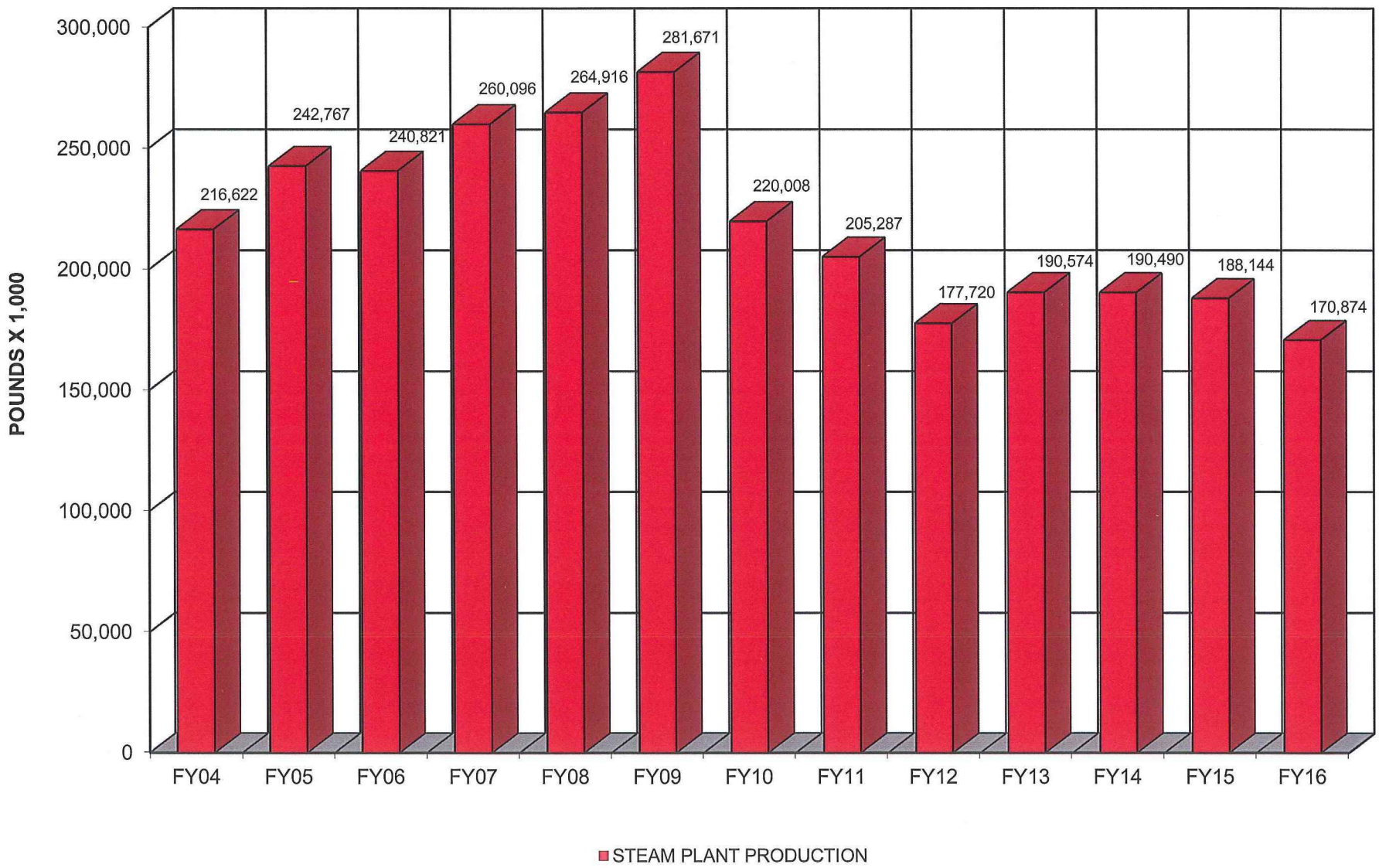
UT ALL CAMPUSES YEARLY STEAM PRODUCTION



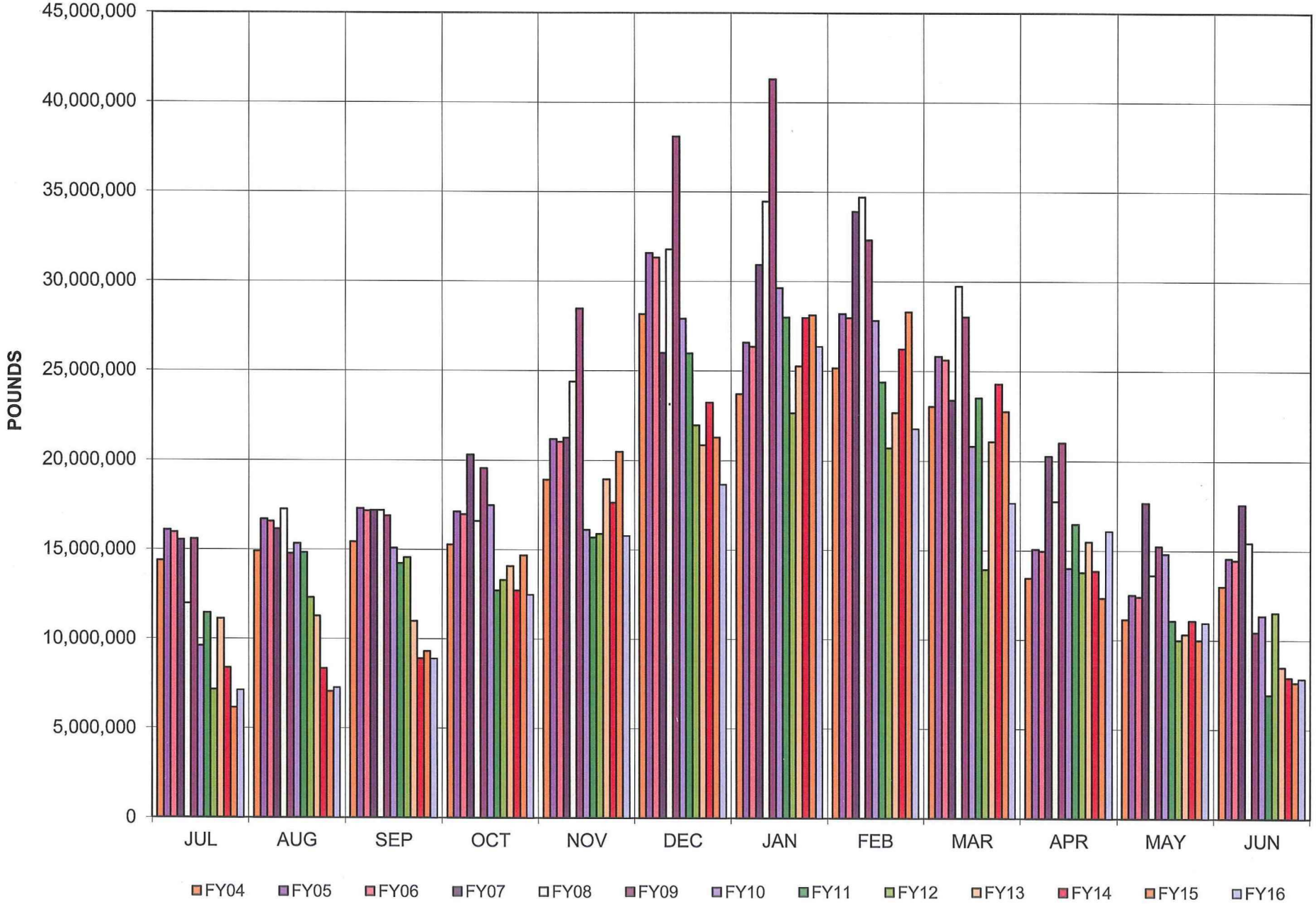
UT ALL CAMPUSES MONTHLY STEAM PRODUCTION



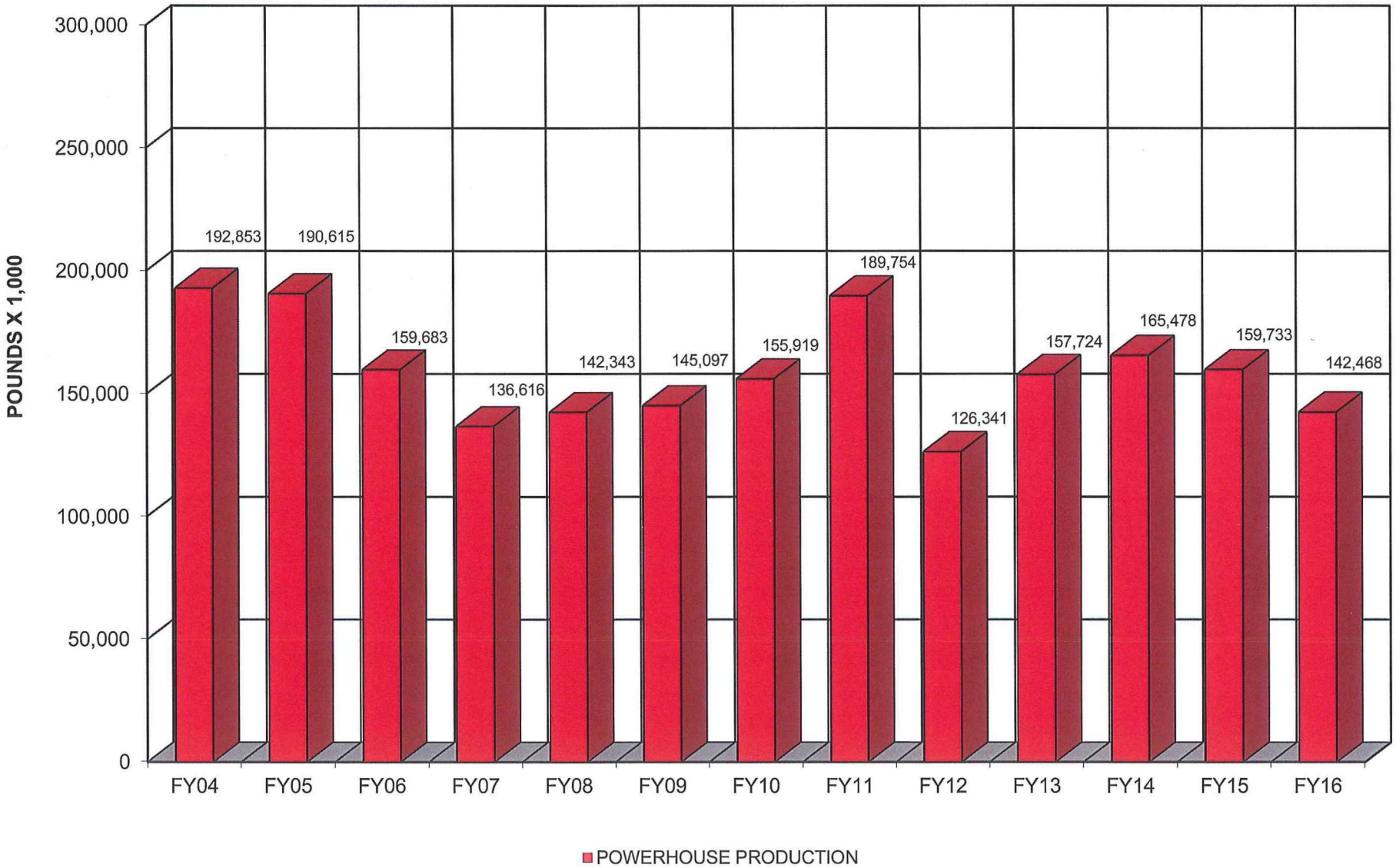
MAIN CAMPUS YEARLY STEAM PRODUCTION



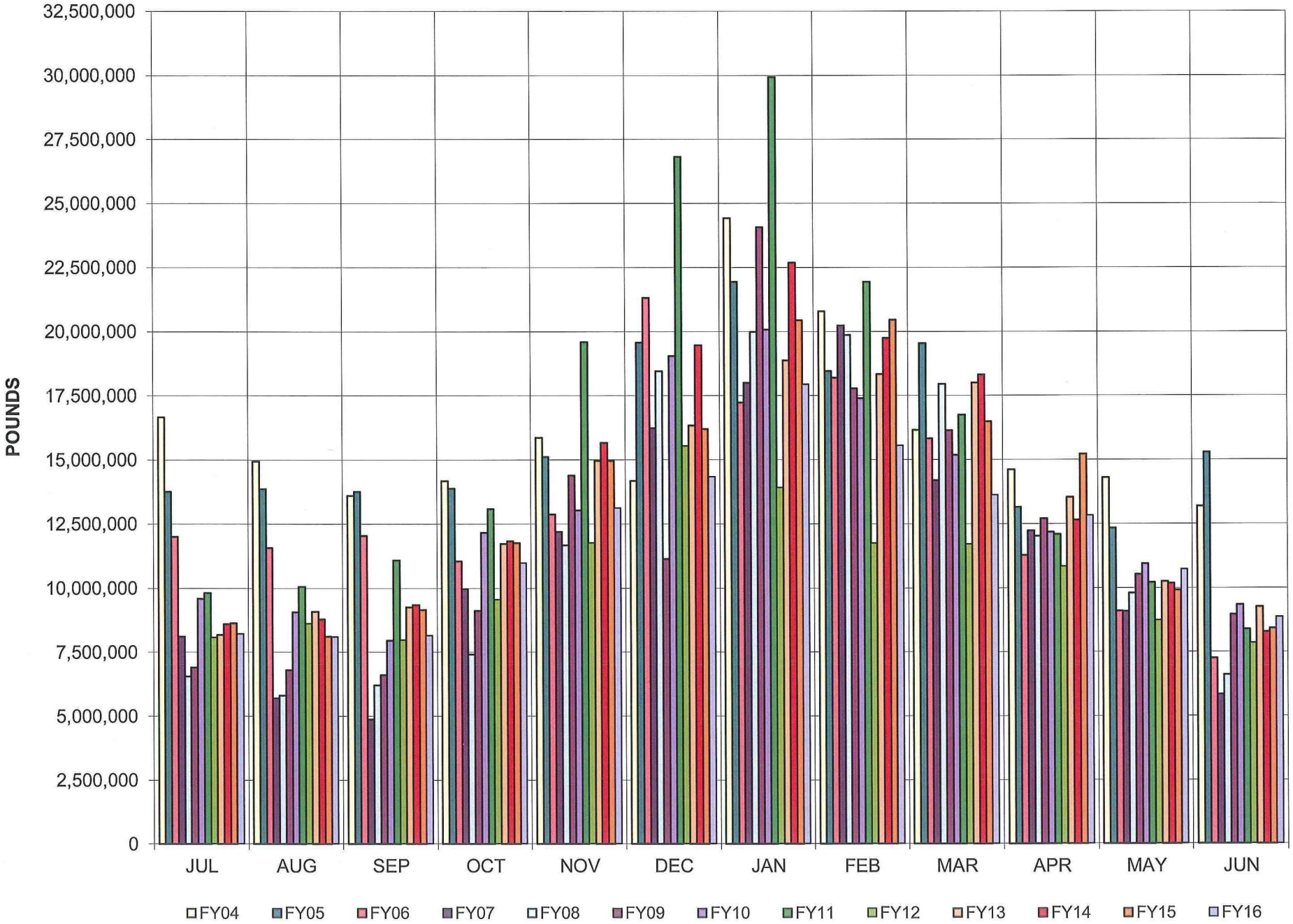
MAIN CAMPUS MONTHLY STEAM PRODUCTION



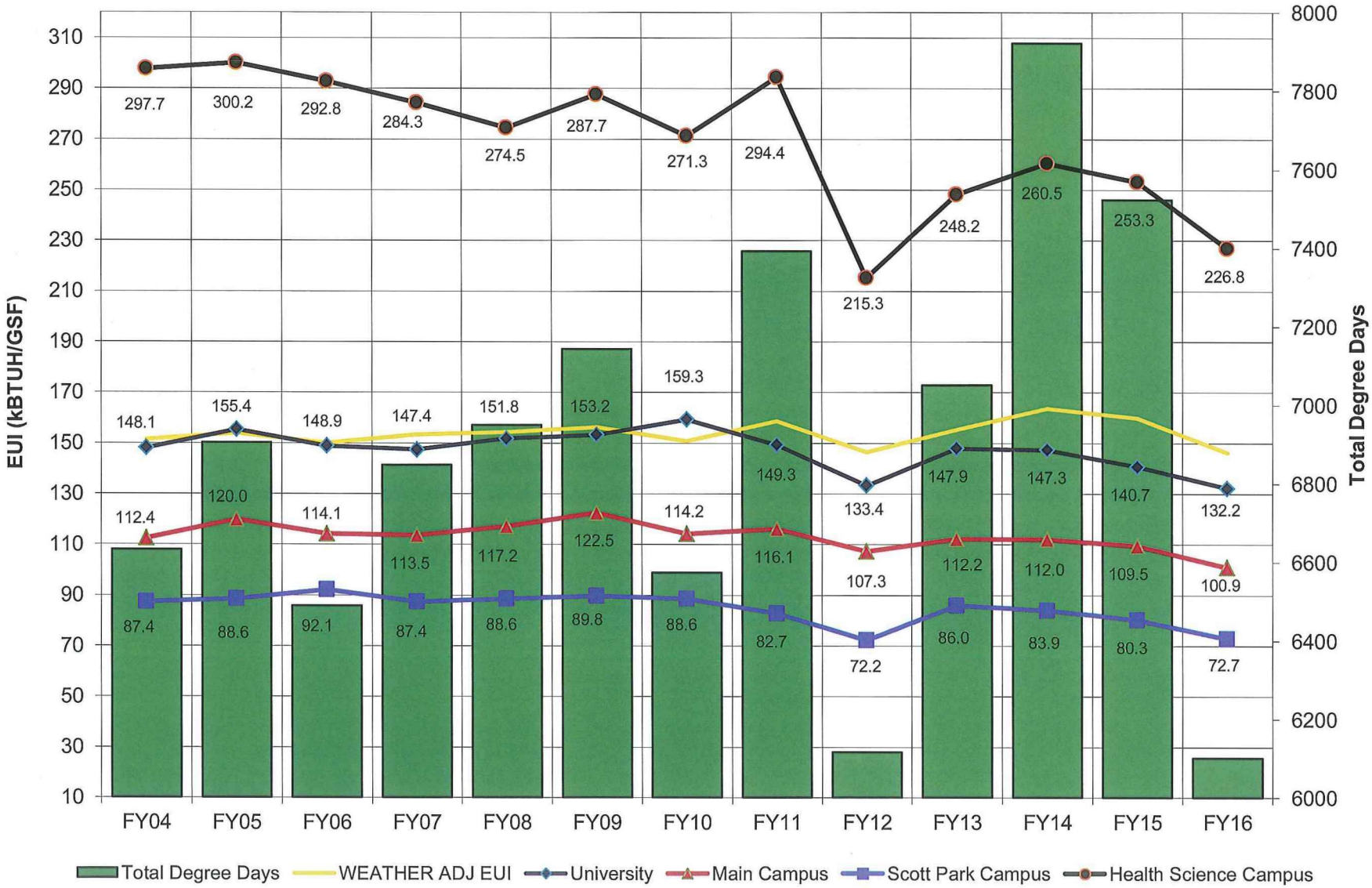
HEALTH SCIENCE CAMPUS YEARLY STEAM PRODUCTION



HEALTH SCIENCE CAMPUS MONTHLY STEAM PRODUCTION



UT CAMPUS ENERGY UTILIZATION INDEX



MAIN CAMPUS BUILDING
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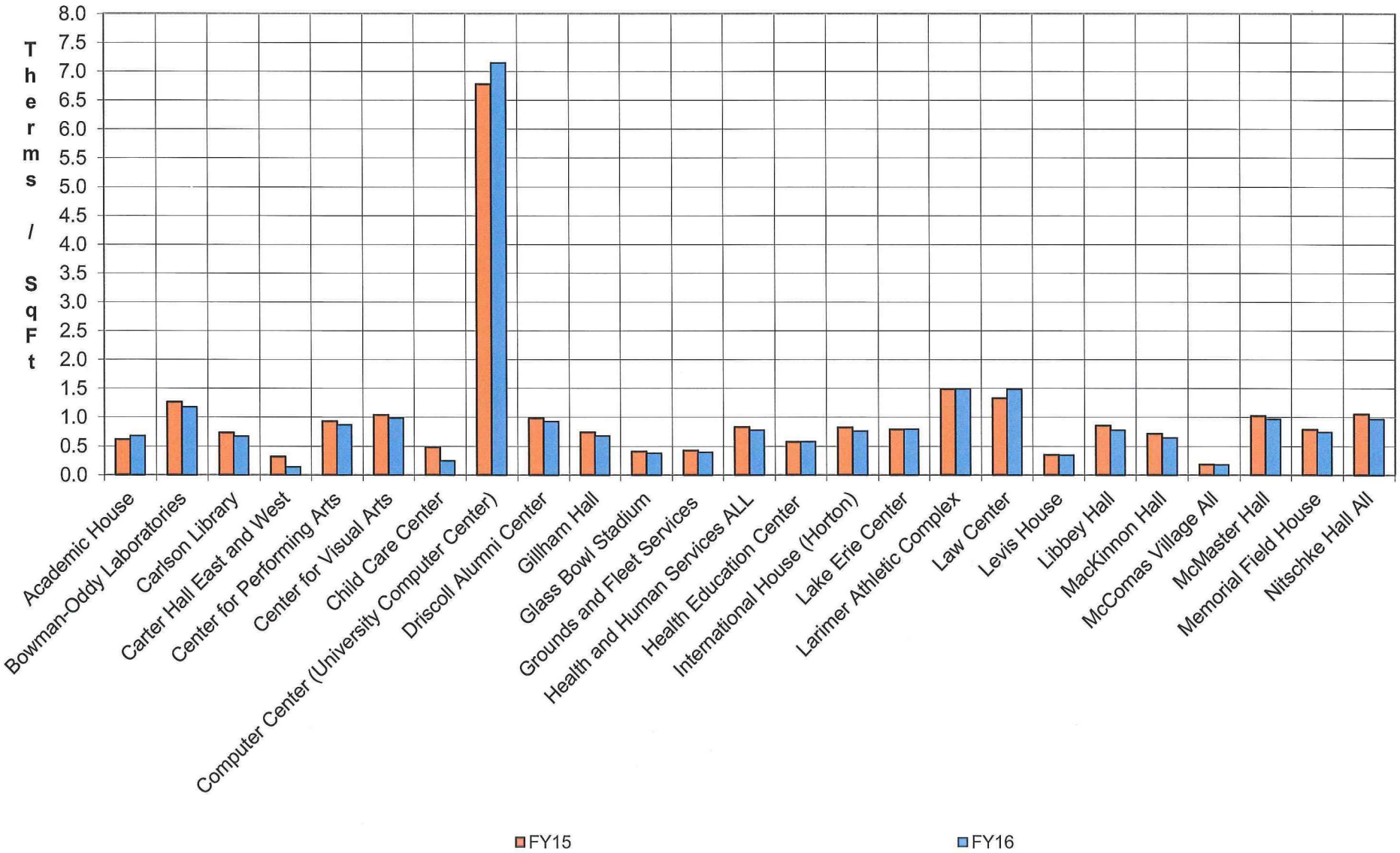

MAIN CAMPUS BUILDING
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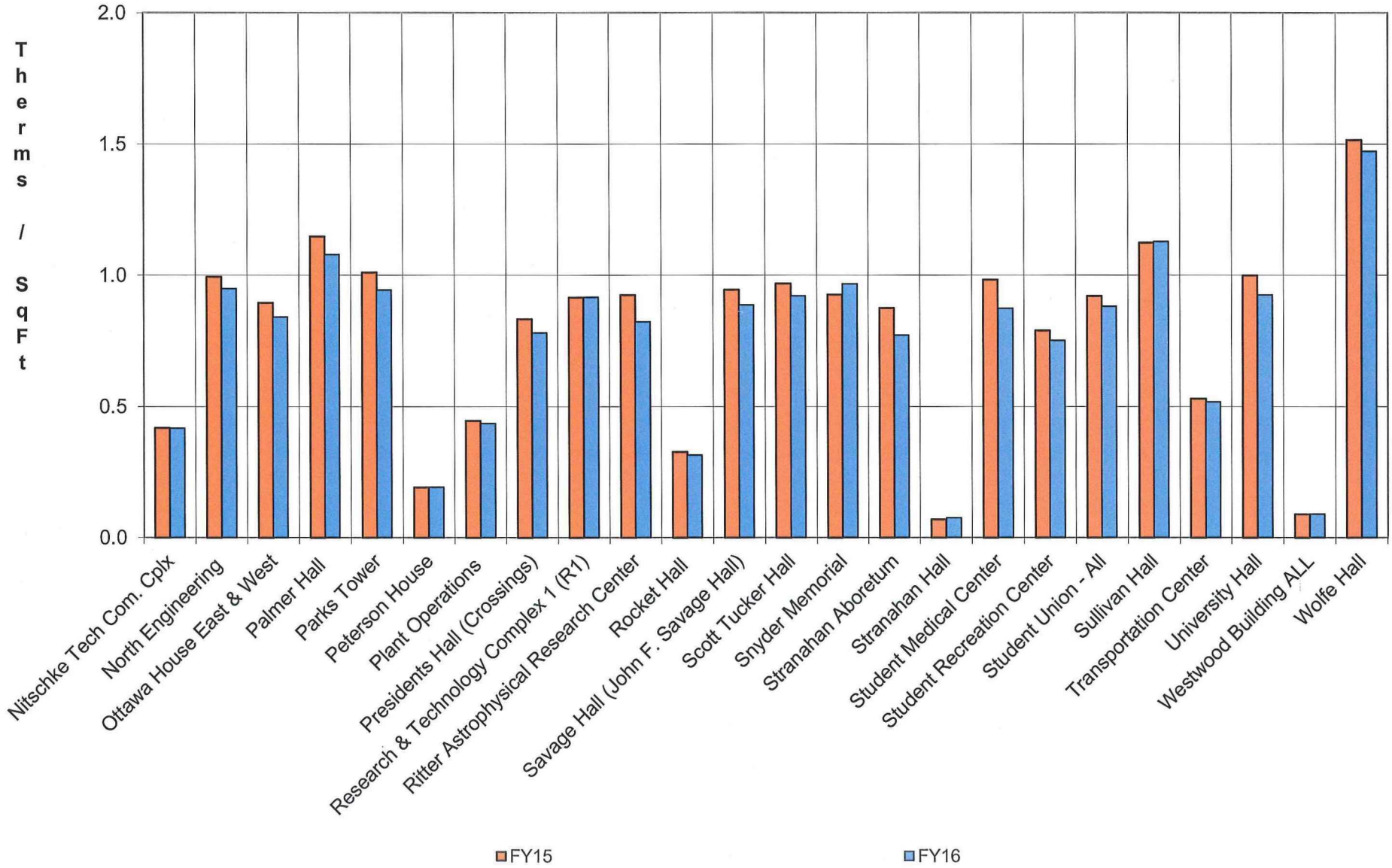

SCOTT PARK CAMPUS BUILDING
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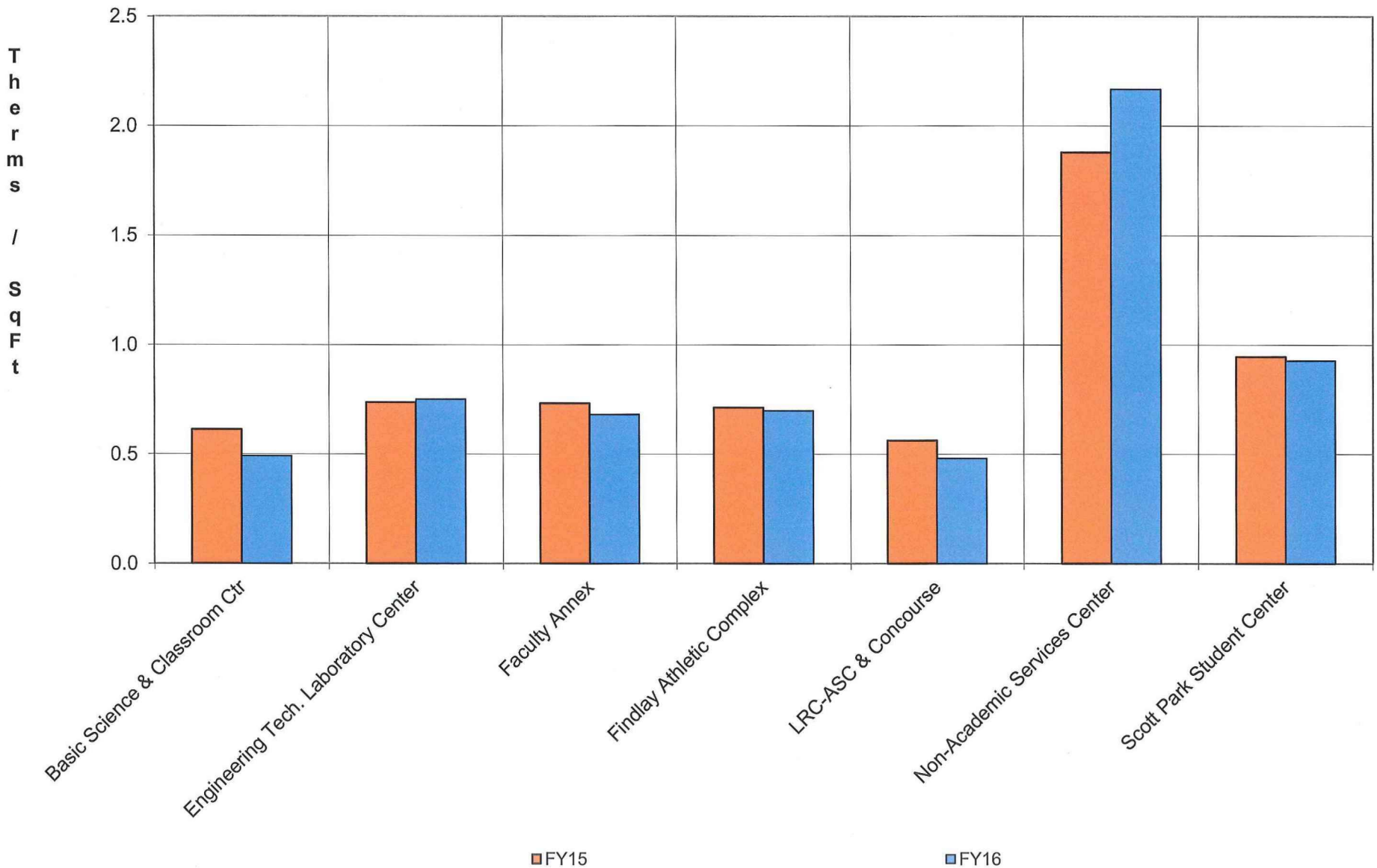
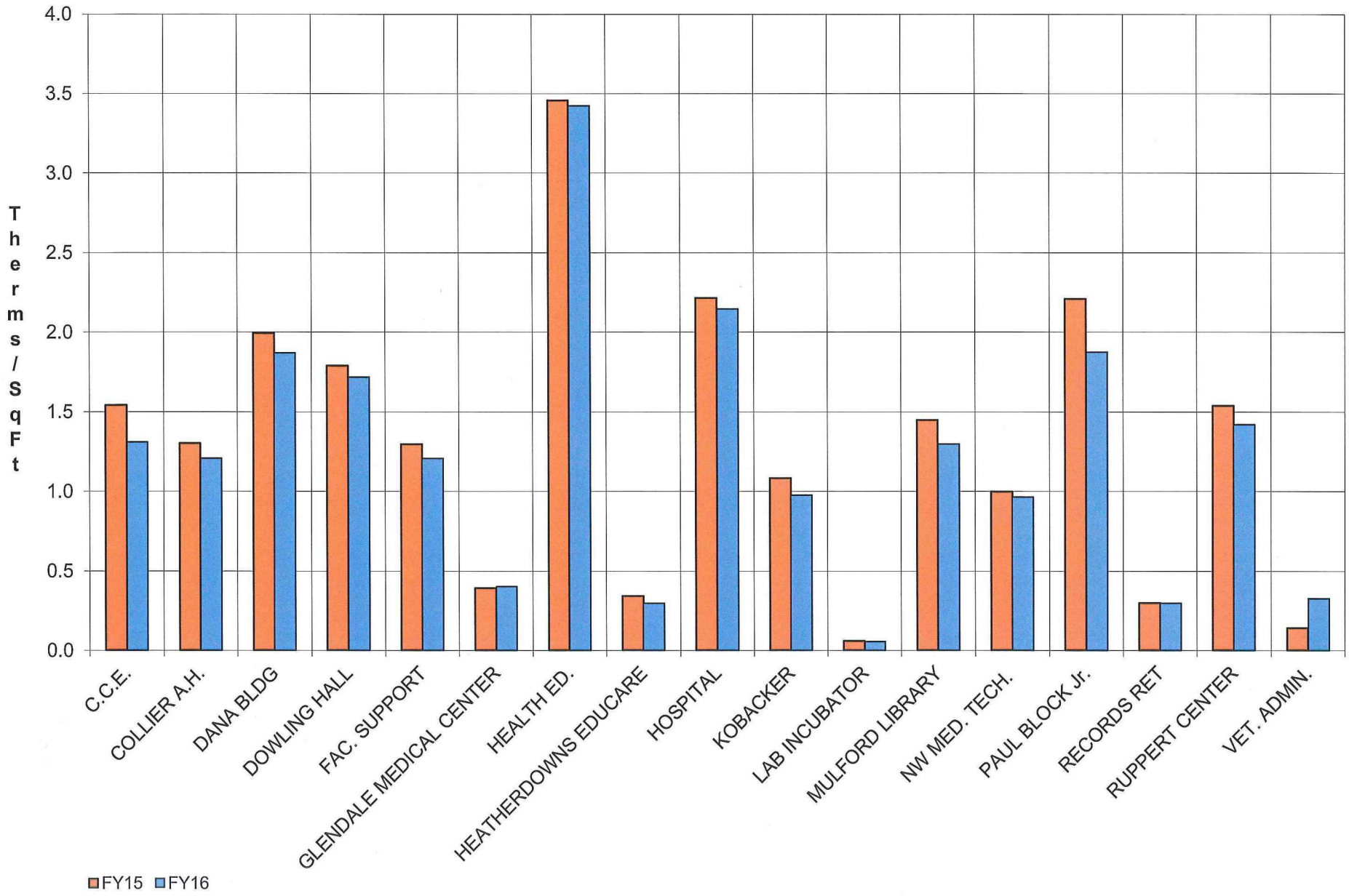


HEALTH SCIENCE CAMPUS BUILDING
ENERGY UTILIZATION INDEX



UNIVERSITY OF TOLEDO
BUILDING Energy USAGE FISCAL YEAR 2016

Main Campus	GSF	Electric kWh	Steam Mlbs	Natural Gas MCF	EUI
Academic House	80,603	492,748	3,814	34	0.6819
Bowman-Oddy Laboratories	178,727	3,674,173	8,458	1,726	1.1847
Carlson Library	256,547	1,488,424	12,140		0.6712
Carter Hall East and West	124,889	266,829		3,893	0.1049
Center for Performing Arts	64,983	756,268	3,075		0.8704
Center for Visual Arts	51,899	1,205,811		3,165	0.8555
Child Care Center	15,941	96,506		534	0.2409
Driscoll Alumni Center	38,675	511,236	1,830		0.9244
Gillham Hall	92,347	557,845	4,370		0.6794
Glass Bowl Stadium	103,578	1,073,691		3,378	0.3872
Grounds and Fleet Services	13,009	113,663		983	0.3757
Health and Human Services (All)	163,006	1,450,611	7,714		0.7770
Health Education Center	79,016	695,044	3,697		0.3482
International House	138,904	1,180,952	6,573	301	0.7656
Lake Erie Center	34,054	663,200		3,500	0.7700
Larimer Athletic Complex	32,139	1,335,990	1,504	633	1.4940
Law Center	125,392	3,735,270	5,934	6	1.4900
Levis House (President's Residence)	6,457	55,793			0.2949
Libbey Hall	16,767	144,899	793	103	0.7745
MacKinnon Hall	41,787	208,257	1,977		0.6433
Main Campus Medical Center	12,574	227,680	595		1.0912
McComas Village (All)	124,533	561,670		2,216	0.1722
McMaster Hall	67,194	984,497	3,180		0.9733
Memorial Field House	156,074	1,240,505	7,386		0.7445
Nitschke Hall-Nitschke Aud	132,159	1,930,160		6,254	0.9717
Nitschke Tech Commercialization Cplx	39,961	482,515		77	0.4141
North Engineering	252,894	3,529,905		11,968	0.9496
Ottawa House East & West	271,293	2,774,134	12,838	4,085	0.8377
Palmer Hall	67,040	1,192,163	3,173		1.0802
Parks Tower	166,213	2,239,471	7,866	980	0.9391
Peterson House	4,316	22,460		51	0.1897
Plant Operations	30,861	308,519		2,332	0.4187
Presidents Hall (The Crossings)	228,990	2,062,990	10,836	82	0.7811
Research & Technology Complex 1 (R1)	55,209	1,446,225		1,021	0.9130
Ritter Astrophysical Research Center	15,317	157,194	725		0.8235
Rocket Hall	109,552	921,470		2,950	0.3147
Savage Hall (John F. Savage Hall)	199,380	2,414,728	9,435		0.8866
Scott Tucker Hall	42,710	649,538	2,021		0.9923
Sculptural Studies	7,502	100,500		2,585	0.8104
Snyder Memorial	47,947	420,200	2,269		0.7723
Stranahan Arboretum	7,386	8,404		211	0.0681
Stranahan Hall	121,135	1,424,407	5,732		0.8746
Student Recreation Center	157,446	2,817,484	7,451	166	0.6885
Student Union (All)	221,225	2,602,232	10,469	2,071	0.8843
Sullivan Hall	13,401	257,639	634		1.1294
Transportation Center	19,826	263,498		1,127	0.5119
University Computer Center	32,872	2,256,162	1,556	1,710	3.8339
University Hall	292,633	3,859,610	13,848	460	0.9250
Westwood Building (All)	271,332	438,600		6,542	0.0799
Wolfe Hall	188,501	5,523,202	8,920	8	1.4733
SUB TOTALS	**5,016,196**	**62,824,970**	**170,815**	**65,150**	

UNIVERSITY OF TOLEDO
BUILDING Energy USAGE FISCAL YEAR 2016

Health Science Campus	GSF	Electric kWh	Steam Mlbs	Natural Gas MCF	EUI
Center Creative Education	88,810	1,111,857	7,841		1.3102
Collier Allied Health	111,363	1,057,208	9,832		1.2069
Dana Cancer Center	43,975	1,272,263	3,883		1.8703
Dowling Hall	247,616	6,062,515	21,862		1.7185
Facility Support	26,932	255,447	2,378		1.2066
Glendale Medical Center	40,516	451,809		700	0.3983
Glendale Medical East (VA)	40,447	357,522		1,582	0.3418
Health Education Bldg	254,875	18,968,472	22,503		3.4229
Health Science Bldg. (Block)	168,764	4,907,083	14,900		1.8753
Heatherdowns Educare Center	36,400	186,408		4,157	0.2918
Kobacker	41,140	114,503	3,632		0.9779
Lab Incubator (Records Retention)	20,533	29,646		537	0.0761
Mulford Library Bldg	137,930	1,671,610	12,178		1.2965
Northwest Medical Tech Center	38,614	1,013,098		2,346	0.9577
Records Retention	32,086	243,949		777	0.2843
Ruppert Center	114,126	1,796,798	10,076		1.4202
University Medical Ctr (Hospital)	378,123	13,996,358	33,384		2.1462
SUB TOTALS	**1,822,250**	**53,496,546**	**142,468**	**10,099**	
Scott Park Campus					
Basic Science-Allied Health-Classrm Ctr	77,096	1,113,480			0.4929
Engineering Technology Laboratory Center	24,812	546,290			0.7514
Faculty Annex	8,895	177,490			0.6810
Findlay Athletic Complex	6,593	91,599		894	0.6132
Learning Resource Ctr-Acad Services Ctr	127,430	1,796,520			0.4812
Non-Academic Services Center	14,881	945,622			2.1688
Scott Park Student Center	30,601	832,500			0.9285
SUB TOTALS	**290,308**	**5,503,500**		**894**	
GRAND TOTALS	**7,128,754**	**121,825,017**	**313,283**	**76,144**	

UNIVERSITY OF TOLEDO
BUILDING Utility COST FISCAL YEAR 2016

Main Campus	Electric	Steam	Natural Gas	Water	Total
Academic House	$33,020	$40,036	$199	$7,392	$80,646
Bowman-Oddy Laboratories	$247,277	$88,775	$12,178	$43,213	$391,442
Carlson Library	$100,181	$127,428		$13,818	$241,427
Carter Hall East and West	$17,807		$22,135	$30,468	$70,410
Center for Performing Arts	$50,749	$32,277		$4,501	$87,527
Center for Visual Arts	$107,244		$20,275	$16,901	$144,420
Child Care Center	$6,471		$4,755	$3,648	$14,874
Driscoll Alumni Center	$34,276	$19,210		$4,624	$58,110
Gillham Hall	$37,543	$45,869		$3,008	$86,420
Glass Bowl Stadium	$71,858		$19,160	$33,202	$124,221
Grounds and Fleet Services	$7,612		$6,934	$2,771	$17,317
Health and Human Services (All)	$97,610	$80,966		$25,773	$204,349
Health Education Center	$46,743	$38,807		$25,475	$111,025
International House	$79,244	$68,994	$3,060	$41,510	$192,808
Lake Erie Center	$64,908		$24,032	$2,673	$91,613
Larimer Athletic Complex	$90,687	$15,785	$3,758	$11,837	$122,067
Law Center	$251,166	$62,283	$336	$12,439	$326,224
Levis House (President's Residence)	$5,643			$7,392	$13,035
Libbey Hall	$9,751	$8,328	$795	$1,746	$20,620
MacKinnon Hall	$13,956	$20,756		$8,242	$42,954
Main Campus Medical Center	$15,370	$6,246		$5,871	$27,486
McComas Village (All)	$37,594		$20,446	$38,313	$96,352
McMaster Hall	$66,161	$33,376		$2,189	$101,725
Memorial Field House	$83,585	$77,523		$154,466	$315,574
Nitschke Hall-Nitschke Aud	$130,603		$65,644	$25,290	$221,537
Nitschke Tech Commercialization Cplx	$32,364		$872	$6,465	$39,701
North Engineering	$238,410		$125,614	$48,393	$412,418
Ottawa House East & West	$186,135	$134,753	$29,423	$56,073	$406,385
Palmer Hall	$80,462	$33,299	$14,623	$12,829	$141,213
Parks Tower	$150,384	$82,559	$5,878	$87,828	$326,649
Peterson House	$1,757		$465	$397	$2,618
Plant Operations	$20,646		$16,449	$6,573	$43,668
Presidents Hall (The Crossings)	$138,718	$113,741	$481	$38,949	$291,890
Research & Technology Complex 1 (R1)	$97,605		$6,363	$3,715	$107,684
Ritter Astrophysical Research Center	$10,564	$7,608		$499	$18,671
Rocket Hall	$61,992		$20,328	$16,669	$98,989
Savage Hall (John F. Savage Hall)	$162,028	$99,033		$6,952	$268,013
Scott Tucker Hall	$44,069	$21,214		$6,192	$71,475
Sculptural Studies	$13,640		$17,759	$9,276	$40,675
Snyder Memorial	$28,369	$23,816		$1,562	$53,746
Stranahan Arboretum	$14,960		$1,574	$469	$17,002
Stranahan Hall	$95,851	$60,168		$3,946	$159,965
Student Recreation Center	$189,776	$78,204	$956	$56,267	$325,204
Student Union (All)	$175,176	$109,884	$12,130	$81,058	$378,248
Sullivan Hall	$17,640	$6,656		$1,229	$25,526
Transportation Center	$17,773		$6,359	$2,452	$26,583
University Computer Center	$151,522	$16,328	$9,744	$11,361	$188,955
University Hall	$259,434	$145,353	$2,666	$9,532	$416,985
Westwood Building (All)	$45,871		$46,635	$3,074	$95,579
Wolfe Hall	$371,616	$93,630	$364	$50,770	$516,380
SUB TOTALS	**$4,313,821**	**$1,792,906**	**$522,389**	**$1,049,289**	**$7,678,405**

UNIVERSITY OF TOLEDO
BUILDING Utility COST FISCAL YEAR 2016

Health Science Campus	Electric	Steam	Natural Gas	Water	Total
Center Creative Education	$75,616	$80,582		$7,563	$163,761
Collier Allied Health	$71,867	$101,046		$8,757	$181,670
Dana Cancer Center	$86,435	$39,901		$6,075	$132,411
Dowling Hall	$412,058	$224,676		$35,133	$671,868
Facility Support	$17,370	$24,437		$2,924	$44,731
Glendale Medical Center	$30,746		$4,831	$8,992	$44,570
Glendale Medical East (VA)	$24,274		$10,978	$5,077	$40,329
Health Education Bldg	$1,288,974	$231,263		$126,790	$1,647,027
Health Science Bldg. (Block)	$334,152	$153,129		$126,790	$614,072
Heatherdowns Educare Center	$23,465		$27,903	$4,843	$56,211
Kobacker	$7,774	$37,329		$7,021	$52,124
Lab Incubator (Records Retention)	$2,014		$1,865	$1,243	$5,122
Mulford Library Bldg	$113,593	$125,152		$2,124	$240,869
Northwest Medical Tech Center	$68,948		$16,921	$7,184	$93,053
Records Retention	$16,589		$5,103	$1,630	$23,323
Ruppert Center	$122,061	$103,553		$19,494	$245,108
University Medical Ctr (Hospital)	$951,838	$343,093		$369,545	$1,664,476
SUB TOTALS	**$3,647,776**	**$1,464,162**	**$67,601**	**$741,187**	**$5,920,725**
Scott Park Campus					
Basic Science-Allied Health-Classrm Ctr	$132,851			$9,449	$142,301
Engineering Technology Laboratory Center	$63,511			$3,041	$66,552
Faculty Annex	$21,636			$1,090	$22,727
Findlay Athletic Complex	$11,326		$7,483	$5,587	$24,397
Learning Resource Ctr-Acad Services Ctr	$214,261			$15,619	$229,880
Non-Academic Services Center	$122,017			$10,055	$132,072
Scott Park Student Center	$99,693			$4,029	$103,722
SUB TOTALS	**$665,296**		**$7,483**	**$48,870**	**$721,649**
GRAND TOTALS	**$8,626,892**	**$3,257,067**	**$597,473**	**$1,839,346**	**$14,320,779**

BUILDING: Academic House
FY YEAR: 2016

DATE : 11/28/16

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)	Cost per McF	TOTAL	
July	2	185	100%	22,958	123	$0.067	$1,536	1	0.01	$10.50	$15	0	$0.00	$0	$1,551
August	10	170	100%	43,209	240	$0.067	$2,887	7	0.04	$10.50	$75	0	$0.00	$0	$2,962
September	48	138	100%	50,835	273	$0.068	$3,467	34	0.18	$10.50	$359	4	$6.74	$27	$3,854
October	347	0	100%	51,130	147	$0.068	$3,482	247	0.71	$10.50	$2,597	5	$6.00	$30	$6,109
November	595	0	100%	45,157	76	$0.069	$3,124	424	0.71	$10.50	$4,453	4	$5.72	$23	$7,601
December	740	0	100%	48,511	66	$0.063	$3,051	528	0.71	$10.50	$5,539	3	$5.73	$17	$8,607
1st half yr	1742	493		261,800	117	$0.067	$17,549	1,242	0.56	$10.50	$13,038	16	$6.06	$97	$30,684
January	1182	0	100%	38,193	32	$0.063	$2,412	843	0.71	$10.50	$8,847	1	$5.45	$5	$11,264
February	966	0	100%	44,669	46	$0.064	$2,843	689	0.71	$10.50	$7,230	4	$5.45	$22	$10,095
March	674	0	100%	50,847	75	$0.064	$3,279	481	0.71	$10.50	$5,045	3	$6.01	$18	$8,342
April	548	0	100%	40,318	74	$0.071	$2,860	391	0.71	$10.50	$4,102	5	$5.78	$29	$6,991
May	224	69	100%	23,556	80	$0.072	$1,700	160	0.55	$10.50	$1,677	4	$5.69	$23	$3,400
June	13	190	100%	33,365	164	$0.071	$2,376	9	0.05	$10.50	$97	1	$4.68	$5	$2,478
2nd half yr	3607	259		230,948	60	$0.067	$15,471	2,572	0.67	$10.50	$26,998	18	$5.65	$102	$42,570
TOTAL/YEAR	5349	752		492,748	81	$0.067	$33,020	3,814	0.63	$10.50	$40,036	34	$5.84	$199	$73,254

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	1,681,749
Steam = M (lbs) X 1,000,000	3,814,338
Natural Gas = MCF X 102,500	3,485
Other Fuel	0
TOTAL BTU's x 1,000	5,496,087

Energy Utilization Index =

Total BTU Consumption/Yr	5,496,087,042	
Gross Area (ft) 2	80,603	
Divided by 100,000 =	0.6819	THERMS

CHILLED WATER COST/YEAR		$21,000
ENERGY COST / SQ. FT. / YEAR	$1.17	
WATER COST TOTAL/YEAR		$7,392
WATER / SQ. FT. / YEAR	$0.09	
UTILITY COST/YEAR		$101,646

BUILDING: Bowman Oddy
FY YEAR: 2016

DATE : 11/28/16

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)	Cost per McF	TOTAL	
July	2	185	100%	314,586	1,682	$0.067	$21,051	3	0.02	$10.50	$33	19	$0.00	$318	$21,402
August	10	170	100%	249,572	1,387	$0.067	$16,676	16	0.09	$10.50	$166	0	$0.00	$196	$17,038
September	48	138	100%	287,628	1,546	$0.068	$19,619	76	0.41	$10.50	$797	0	$0.00	$196	$20,612
October	347	0	100%	303,978	876	$0.068	$20,703	549	1.58	$10.50	$5,759	8	$31.20	$250	$26,711
November	595	0	100%	283,533	477	$0.069	$19,617	941	1.58	$10.50	$9,875	49	$10.20	$500	$29,992
December	740	0	100%	327,073	442	$0.063	$20,573	1,170	1.58	$10.50	$12,281	174	$7.09	$1,233	$34,088
1st half yr	1742	493		1,766,371	790	$0.067	$118,239	2,754	1.23	$10.50	$28,911	250	$10.77	$2,693	$149,843
January	1182	0	100%	311,536	264	$0.063	$19,674	1,869	1.58	$10.50	$19,617	364	$5.99	$2,180	$41,471
February	966	0	100%	302,675	313	$0.064	$19,262	1,527	1.58	$10.50	$16,032	394	$5.96	$2,348	$37,642
March	674	0	100%	334,931	497	$0.064	$21,601	1,066	1.58	$10.50	$11,186	323	$6.63	$2,142	$34,929
April	548	0	100%	319,094	582	$0.071	$22,637	866	1.58	$10.50	$9,095	235	$6.63	$1,558	$33,289
May	224	69	100%	324,026	1,106	$0.072	$23,390	354	1.21	$10.50	$3,718	119	$7.38	$878	$27,986
June	13	190	100%	315,538	1,554	$0.071	$22,473	21	0.10	$10.50	$216	41	$9.28	$380	$23,069
2nd half yr	3607	259		1,907,802	493	$0.068	$129,037	5,703	1.48	$10.50	$59,864	1,476	$6.43	$9,485	$198,386
TOTAL/YEAR	5349	752		3,674,173	602	$0.067	$247,277	8,458	1.39	$10.50	$88,775	1,726	$7.06	$12,178	$348,229

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	12,539,951
Steam = M (lbs) X 1,000,000	8,457,814
Natural Gas = MCF X 102,500	176,915
Other Fuel	0
TOTAL BTU's x 1,000	21,174,681

Energy Utilization Index =

Total BTU Consumption/Yr	21,174,680,760	
Gross Area (ft) 2	178,727	
Divided by 100,000 =	1.1847	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.95	
WATER COST TOTAL/YEAR		$43,213
WATER / SQ. FT. / YEAR	$0.24	
UTILITY COST/YEAR		$391,442

BUILDING: Carlson Library
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	131,389	762	$0.067	$8,792	5	0.02	$10.50	$48	0	$4.50	$0	$8,840
August	10	170	100%	114,870	872	$0.067	$7,676	23	0.13	$10.50	$238	0	$4.50	$0	$7,914
September	48	138	100%	138,209	1,527	$0.068	$9,427	109	0.59	$10.50	$1,143	0	$4.50	$0	$10,571
October	347	0	100%	138,209	840	$0.068	$9,413	788	2.27	$10.50	$8,267	0	$4.50	$0	$17,679
November	595	0	100%	132,163	356	$0.069	$9,144	1,350	2.27	$10.50	$14,175	0	$4.50	$0	$23,319
December	740	0	100%	132,163	188	$0.063	$8,313	1,680	2.27	$10.50	$17,629	0	$4.50	$0	$25,942
1st half yr	1742	493		787,002	352	$0.067	$52,765	3,954	1.77	$10.50	$41,499	0	$4.50	$0	$94,264
January	1182	0	100%	88,328	174	$0.063	$5,578	2,683	2.27	$10.50	$28,159	0	$4.50	$0	$33,737
February	966	0	100%	124,336	232	$0.064	$7,913	2,192	2.27	$10.50	$23,013	0	$4.50	$0	$30,926
March	674	0	100%	143,166	302	$0.064	$9,233	1,530	2.27	$10.50	$16,057	0	$4.50	$0	$25,290
April	548	0	100%	118,390	560	$0.071	$8,399	1,244	2.27	$10.50	$13,055	0	$4.50	$0	$21,454
May	224	69	100%	115,329	939	$0.072	$8,325	508	1.74	$10.50	$5,336	0	$4.50	$0	$13,661
June	13	190	100%	111,873	1,197	$0.071	$7,968	30	0.15	$10.50	$310	0	$4.50	$0	$8,278
2nd half yr	3607	259		701,422	181	$0.068	$47,416	8,187	2.12	$10.50	$85,929	0	$4.50	$0	$133,345
TOTAL/YEAR	5349	752		1,488,424	244	$0.067	$100,181	12,140	1.99	$10.50	$127,428	0	$4.50	$0	$227,609

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	5,079,991
Steam = M (lbs) X 1,000,000	12,140,454
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	17,220,445

Energy Utilization Index =

Total BTU Consumption/Yr	17,220,444,956
Gross Area (ft) 2	256,547
Divided by 100,000 =	0.6712 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.89	
WATER COST TOTAL/YEAR		$13,818
WATER / SQ. FT. / YEAR	$0.05	
UTILITY COST/YEAR		$241,427

BUILDING: Carter Hall East and West
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	21,564	115	$0.067	$1,443	27	0.14	$5.88	$159	0	$4.50	$0	$1,602
August	10	170	100%	20,319	113	$0.067	$1,358	31	0.17	$7.59	$235	0	$4.50	$0	$1,593
September	48	138	100%	18,478	99	$0.068	$1,260	33	0.18	$6.74	$223	0	$4.50	$0	$1,483
October	347	0	100%	17,648	51	$0.068	$1,202	13	0.04	$6.00	$78	0	$4.50	$0	$1,280
November	595	0	100%	18,763	32	$0.069	$1,298	14	0.02	$5.72	$80	0	$4.50	$0	$1,378
December	740	0	100%	30,735	42	$0.063	$1,933	820	1.11	$5.73	$4,696	0	$4.50	$0	$6,629
1st half yr	1742	493		127,506	57	$0.067	$8,494	938	0.42	$5.83	$5,471	0	$4.50	$0	$13,965
January	1182	0	100%	28,864	24	$0.063	$1,823	870	0.74	$5.45	$4,741	0	$4.50	$0	$6,564
February	966	0	100%	27,172	28	$0.064	$1,729	882	0.91	$5.45	$4,807	0	$4.50	$0	$6,537
March	674	0	100%	26,896	40	$0.064	$1,735	710	1.05	$6.01	$4,270	0	$4.50	$0	$6,005
April	548	0	100%	21,817	40	$0.071	$1,548	477	0.87	$5.78	$2,757	0	$4.50	$0	$4,304
May	224	69	100%	16,742	57	$0.072	$1,209	14	0.05	$5.69	$80	0	$4.50	$0	$1,288
June	13	190	100%	17,832	88	$0.071	$1,270	2	0.01	$4.68	$9	0	$4.50	$0	$1,279
2nd half yr	3607	259		139,323	36	$0.067	$9,313	2,955	0.76	$5.64	$16,664	0	$4.50	$0	$25,977
TOTAL/YEAR	5349	752		266,829	44	$0.067	$17,807	3,893	0.64	$5.69	$22,135	0	$4.50	$0	$39,942

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	910,687
Natural Gas = MCF X 102,500	399,033
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,309,720

Energy Utilization Index =

Total BTU Consumption/Yr	1,309,719,877	
Gross Area (ft) 2	124,889	
Divided by 100,000 =	0.1049	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.32	
WATER COST TOTAL/YEAR		$30,468
WATER / SQ. FT. / YEAR	$0.24	
UTILITY COST/YEAR		$70,410

BUILDING: Center for Performing Arts
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	53,837	288	$0.067	$3,603	1	0.01	$10.50	$12	0	$4.50	$0	$3,615
August	10	170	100%	51,724	287	$0.067	$3,456	6	0.03	$10.50	$60	0	$4.50	$0	$3,517
September	48	138	100%	61,774	332	$0.068	$4,214	28	0.15	$10.50	$290	0	$4.50	$0	$4,503
October	347	0	100%	57,945	167	$0.068	$3,946	199	0.57	$10.50	$2,094	0	$4.50	$0	$6,040
November	595	0	100%	67,164	113	$0.069	$4,647	342	0.57	$10.50	$3,590	0	$4.50	$0	$8,237
December	740	0	100%	67,195	91	$0.063	$4,227	425	0.57	$10.50	$4,465	0	$4.50	$0	$8,692
1st half yr	1742	493		359,639	161	$0.067	$24,092	1,001	0.45	$10.50	$10,512	0	$4.50	$0	$34,604
January	1182	0	100%	76,485	65	$0.063	$4,830	680	0.57	$10.50	$7,133	0	$4.50	$0	$11,963
February	966	0	100%	72,886	75	$0.064	$4,638	555	0.57	$10.50	$5,829	0	$4.50	$0	$10,468
March	674	0	100%	68,732	102	$0.064	$4,433	387	0.57	$10.50	$4,067	0	$4.50	$0	$8,500
April	548	0	100%	64,687	118	$0.071	$4,589	315	0.57	$10.50	$3,307	0	$4.50	$0	$7,896
May	224	69	100%	60,551	207	$0.072	$4,371	129	0.44	$10.50	$1,352	0	$4.50	$0	$5,723
June	13	190	100%	53,289	263	$0.071	$3,795	7	0.04	$10.50	$78	0	$4.50	$0	$3,874
2nd half yr	3607	259		396,629	103	$0.067	$26,656	2,074	0.54	$10.50	$21,766	0	$4.50	$0	$48,422
TOTAL/YEAR	5349	752		756,268	124	$0.067	$50,749	3,075	0.50	$10.50	$32,277	0	$4.50	$0	$83,026

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	2,581,143
Steam = M (lbs) X 1,000,000	3,075,160
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	5,656,304

Energy Utilization Index =

Total BTU Consumption/Yr	5,656,303,521	
Gross Area (ft) 2	64,983	
Divided by 100,000 =	0.8704	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.28	
WATER COST TOTAL/YEAR		$4,501
WATER / SQ. FT. / YEAR	$0.07	
UTILITY COST/YEAR		$87,527

BUILDING: Center for Visual Arts
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	111,045	594	$0.088	$9,765	100	0.53	$6.88	$688	0	$4.50	$0	$10,453
August	10	170	100%	117,300	652	$0.088	$10,316	75	0.42	$8.91	$668	0	$4.50	$0	$10,984
September	48	138	100%	111,282	598	$0.088	$9,783	153	0.82	$7.35	$1,124	0	$4.50	$0	$10,907
October	347	0	100%	119,340	344	$0.087	$10,412	133	0.38	$6.74	$897	0	$4.50	$0	$11,309
November	595	0	100%	97,614	164	$0.090	$8,800	164	0.28	$6.33	$1,038	0	$4.50	$0	$9,838
December	740	0	100%	81,294	110	$0.032	$2,616	404	0.55	$5.99	$2,422	0	$4.50	$0	$5,037
1st half yr	1742	493		637,875	285	$0.081	$51,692	1,029	0.46	$6.64	$6,837	0	$4.50	$0	$58,528
January	1182	0	100%	84,252	71	$0.144	$12,109	565	0.48	$5.63	$3,183	0	$4.50	$0	$15,292
February	966	0	100%	77,520	80	$0.090	$6,960	418	0.43	$5.72	$2,390	0	$4.50	$0	$9,350
March	674	0	100%	93,330	138	$0.088	$8,228	359	0.53	$6.32	$2,269	0	$4.50	$0	$10,497
April	548	0	100%	120,870	221	$0.086	$10,339	372	0.68	$6.84	$2,544	0	$4.50	$0	$12,883
May	224	69	100%	85,272	291	$0.096	$8,210	306	1.04	$6.91	$2,115	0	$4.50	$0	$10,325
June	13	190	100%	106,692	526	$0.091	$9,706	116	0.57	$8.08	$938	0	$4.50	$0	$10,644
2nd half yr	3607	259		567,936	147	$0.098	$55,552	2,136	0.55	$6.29	$13,439	0	$4.50	$0	$68,991
TOTAL/YEAR	5349	752		1,205,811	198	$0.089	$107,244	3,165	0.52	$6.41	$20,275	0	$4.50	$0	$127,519

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	4,115,433
Natural Gas = MCF X 102,500	324,413
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	4,439,845

Energy Utilization Index =

Total BTU Consumption/Yr	4,439,845,443
Gross Area (ft) 2	51,899
Divided by 100,000 =	0.8555 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.46	
WATER COST TOTAL/YEAR		$16,901
WATER / SQ. FT. / YEAR	$0.33	
UTILITY COST/YEAR		$144,420

BUILDING: Child Care Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	5,289	28	$0.067	$354	0	0.00	$0.00	$0	0	$4.50	$0	$354
August	10	170	100%	4,568	25	$0.067	$305	1	0.00	$103.36	$83	0	$4.50	$0	$388
September	48	138	100%	4,578	25	$0.068	$312	8	0.04	$21.27	$166	0	$4.50	$0	$478
October	347	0	100%	7,149	21	$0.068	$487	1	0.00	$91.38	$82	0	$4.50	$0	$569
November	595	0	100%	8,092	14	$0.069	$560	29	0.05	$10.34	$298	0	$4.50	$0	$858
December	740	0	100%	11,666	16	$0.063	$734	70	0.09	$8.48	$595	0	$4.50	$0	$1,328
1st half yr	1742	493		41,341	18	$0.067	$2,752	108	0.05	$11.29	$1,223	0	$4.50	$0	$3,975
January	1182	0	100%	9,324	8	$0.063	$589	72	0.06	$8.45	$610	0	$4.50	$0	$1,199
February	966	0	100%	9,225	10	$0.064	$587	302	0.31	$7.29	$2,203	0	$4.50	$0	$2,790
March	674	0	100%	10,551	16	$0.064	$680	37	0.05	$9.72	$359	0	$4.50	$0	$1,040
April	548	0	100%	8,561	16	$0.071	$607	11	0.02	$15.48	$169	0	$4.50	$0	$776
May	224	69	100%	8,561	29	$0.072	$618	3	0.01	$38.99	$105	0	$4.50	$0	$723
June	13	190	100%	8,942	44	$0.071	$637	0	0.00	$286.03	$86	0	$4.50	$0	$723
2nd half yr	3607	259		55,165	14	$0.067	$3,719	425	0.11	$8.30	$3,532	0	$4.50	$0	$7,251
TOTAL/YEAR	5349	752		96,506	16	$0.067	$6,471	534	0.09	$8.91	$4,755	0	$4.50	$0	$11,226

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	329,375
Natural Gas = MCF X 102,500	54,715
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	384,089

Energy Utilization Index =

Total BTU Consumption/Yr	384,089,137	
Gross Area (ft) 2	15,941	
Divided by 100,000 =	0.2409	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.70	
WATER COST TOTAL/YEAR		$3,648
WATER / SQ. FT. / YEAR	$0.23	
UTILITY COST/YEAR		$14,874

BUILDING: Driscoll Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	38,581	206	$0.067	$2,582	1	0.00	$10.50	$7	0	$4.50	$0	$2,589
August	10	170	100%	42,191	234	$0.067	$2,819	3	0.02	$10.50	$36	0	$4.50	$0	$2,855
September	48	138	100%	38,348	206	$0.068	$2,616	16	0.09	$10.50	$172	0	$4.50	$0	$2,788
October	347	0	100%	38,838	112	$0.068	$2,645	119	0.34	$10.50	$1,246	0	$4.50	$0	$3,891
November	595	0	100%	41,574	70	$0.069	$2,876	204	0.34	$10.50	$2,137	0	$4.50	$0	$5,013
December	740	0	100%	46,335	63	$0.063	$2,914	253	0.34	$10.50	$2,658	0	$4.50	$0	$5,572
1st half yr	1742	493		245,867	110	$0.067	$16,453	596	0.27	$10.50	$6,256	0	$4.50	$0	$22,709
January	1182	0	100%	47,366	40	$0.063	$2,991	404	0.34	$10.50	$4,245	0	$4.50	$0	$7,236
February	966	0	100%	51,940	54	$0.064	$3,305	331	0.34	$10.50	$3,469	0	$4.50	$0	$6,775
March	674	0	100%	48,406	72	$0.064	$3,122	231	0.34	$10.50	$2,421	0	$4.50	$0	$5,542
April	548	0	100%	42,108	77	$0.071	$2,987	188	0.34	$10.50	$1,968	0	$4.50	$0	$4,955
May	224	69	100%	38,172	130	$0.072	$2,755	77	0.26	$10.50	$804	0	$4.50	$0	$3,560
June	13	190	100%	37,378	184	$0.071	$2,662	4	0.02	$10.50	$47	0	$4.50	$0	$2,709
2nd half yr	3607	259		265,369	69	$0.067	$17,823	1,234	0.32	$10.50	$12,954	0	$4.50	$0	$30,777
TOTAL/YEAR	5349	752		511,236	84	$0.067	$34,276	1,830	0.30	$10.50	$19,210	0	$4.50	$0	$53,486

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	1,744,848
Steam = M (lbs) X 1,000,000	1,830,199
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	3,575,047

Energy Utilization Index =

Total BTU Consumption/Yr	3,575,047,427	
Gross Area (ft) 2	38,675	
Divided by 100,000 =	0.9244	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.38	
WATER COST TOTAL/YEAR		$4,624
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$58,110

BUILDING: Gilham Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	46,517	249	$0.067	$3,113	2	0.01	$10.50	$17	0	$4.50	$0	$3,130
August	10	170	100%	43,359	241	$0.067	$2,897	8	0.05	$10.50	$86	0	$4.50	$0	$2,983
September	48	138	100%	46,570	250	$0.068	$3,177	39	0.21	$10.50	$412	0	$4.50	$0	$3,588
October	347	0	100%	47,973	138	$0.068	$3,267	283	0.82	$10.50	$2,976	0	$4.50	$0	$6,243
November	595	0	100%	42,896	72	$0.069	$2,968	486	0.82	$10.50	$5,102	0	$4.50	$0	$8,070
December	740	0	100%	48,204	65	$0.063	$3,032	605	0.82	$10.50	$6,346	0	$4.50	$0	$9,378
1st half yr	1742	493		275,519	123	$0.067	$18,454	1,423	0.64	$10.50	$14,938	0	$4.50	$0	$33,392
January	1182	0	100%	43,631	37	$0.063	$2,755	966	0.82	$10.50	$10,136	0	$4.50	$0	$12,891
February	966	0	100%	45,642	47	$0.064	$2,905	789	0.82	$10.50	$8,284	0	$4.50	$0	$11,188
March	674	0	100%	51,651	77	$0.064	$3,331	551	0.82	$10.50	$5,780	0	$4.50	$0	$9,111
April	548	0	100%	45,644	83	$0.071	$3,238	448	0.82	$10.50	$4,699	0	$4.50	$0	$7,937
May	224	69	100%	41,522	158	$0.072	$2,997	183	0.62	$10.50	$1,921	0	$4.50	$0	$4,918
June	13	190	100%	54,237	196	$0.071	$3,863	11	0.05	$10.50	$111	0	$4.50	$0	$3,974
2nd half yr	3607	259		282,327	73	$0.068	$19,089	2,947	0.76	$10.50	$30,931	0	$4.50	$0	$50,020
TOTAL/YEAR	5349	752		557,845	91	$0.067	$37,543	4,370	0.72	$10.50	$45,869	0	$4.50	$0	$83,412

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	1,903,926
Steam = M (lbs) X 1,000,000	4,370,094
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	6,274,020

Energy Utilization Index =

Total BTU Consumption/Yr	6,274,020,295
Gross Area (ft) 2	92,347
Divided by 100,000 =	0.6794 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.90	
WATER COST TOTAL/YEAR		$3,008
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$86,420

BUILDING: Glass Bowl Stadium
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	85,434	457	$0.067	$5,717	7	0.04	$5.88	$41	0	$4.50	$0	$5,758
August	10	170	100%	93,276	518	$0.067	$6,233	7	0.04	$7.59	$53	0	$4.50	$0	$6,286
September	48	138	100%	110,987	597	$0.068	$7,570	8	0.04	$6.74	$54	0	$4.50	$0	$7,624
October	347	0	100%	108,766	313	$0.068	$7,408	15	0.04	$6.00	$90	0	$4.50	$0	$7,498
November	595	0	100%	110,276	185	$0.069	$7,630	139	0.23	$5.72	$795	0	$4.50	$0	$8,425
December	740	0	100%	110,690	150	$0.063	$6,962	515	0.70	$5.73	$2,949	0	$4.50	$0	$9,912
1st half yr	1742	493		619,429	277	$0.067	$41,520	691	0.31	$5.76	$3,982	0	$4.50	$0	$45,502
January	1182	0	100%	79,677	67	$0.063	$5,032	762	0.64	$5.45	$4,153	0	$4.50	$0	$9,184
February	966	0	100%	94,029	97	$0.064	$5,984	735	0.76	$5.45	$4,006	0	$4.50	$0	$9,990
March	674	0	100%	100,638	149	$0.064	$6,490	688	1.02	$6.01	$4,138	0	$4.50	$0	$10,628
April	548	0	100%	65,536	120	$0.071	$4,649	434	0.79	$5.78	$2,508	0	$4.50	$0	$7,157
May	224	69	100%	38,088	130	$0.072	$2,749	54	0.18	$5.69	$307	0	$4.50	$0	$3,057
June	13	190	100%	76,294	376	$0.071	$5,434	14	0.07	$4.68	$66	0	$4.50	$0	$5,499
2nd half yr	3607	259		454,262	118	$0.067	$30,339	2,687	0.70	$5.65	$15,177	0	$4.50	$0	$45,516
TOTAL/YEAR	5349	752		1,073,691	176	$0.067	$71,858	3,378	0.55	$5.67	$19,160	0	$4.50	$0	$91,018

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	3,664,507
Natural Gas = MCF X 102,500	346,245
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	4,010,752

Energy Utilization Index =

Total BTU Consumption/Yr	4,010,752,383	
Gross Area (ft) 2	103,578	
Divided by 100,000 =	0.3872	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.88	
WATER COST TOTAL/YEAR		$33,202
WATER / SQ. FT. / YEAR	$0.32	
UTILITY COST/YEAR		$124,221

BUILDING: Grounds
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	10,179	54	$0.067	$681	3	0.01	$47.15	$126	0	$4.50	$0	$807
August	10	170	100%	9,025	50	$0.067	$603	2	0.01	$53.94	$128	0	$4.50	$0	$731
September	48	138	100%	9,319	50	$0.068	$636	3	0.02	$40.68	$133	0	$4.50	$0	$768
October	347	0	100%	7,859	23	$0.068	$535	10	0.03	$17.33	$175	0	$4.50	$0	$710
November	595	0	100%	8,060	14	$0.069	$558	47	0.08	$8.21	$387	0	$4.50	$0	$945
December	740	0	100%	10,413	14	$0.063	$655	134	0.18	$6.61	$886	0	$4.50	$0	$1,541
1st half yr	1742	493		54,854	25	$0.067	$3,668	200	0.09	$9.19	$1,834	0	$4.50	$0	$5,502
January	1182	0	100%	11,800	10	$0.063	$745	224	0.19	$6.02	$1,350	0	$4.50	$0	$2,095
February	966	0	100%	10,951	11	$0.064	$697	232	0.24	$6.02	$1,397	0	$4.50	$0	$2,094
March	674	0	100%	10,471	16	$0.064	$675	162	0.24	$6.28	$1,017	0	$4.50	$0	$1,692
April	548	0	100%	8,521	16	$0.071	$604	114	0.21	$6.93	$794	0	$4.50	$0	$1,398
May	224	69	100%	7,430	25	$0.072	$536	42	0.14	$8.82	$374	0	$4.50	$0	$910
June	13	190	100%	9,635	47	$0.071	$686	8	0.04	$20.25	$168	0	$4.50	$0	$854
2nd half yr	3607	259		58,809	15	$0.067	$3,945	783	0.20	$6.51	$5,100	0	$4.50	$0	$9,044
TOTAL/YEAR	5349	752		113,663	19	$0.067	$7,612	983	0.16	$7.05	$6,934	0	$4.50	$0	$14,546

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	387,931
Natural Gas = MCF X 102,500	100,759
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	488,690

Energy Utilization Index =

Total BTU Consumption/Yr	488,690,097	
Gross Area (ft) 2	13,009	
Divided by 100,000 =	0.3757	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.12	
WATER COST TOTAL/YEAR		$2,771
WATER / SQ. FT. / YEAR	$0.21	
UTILITY COST/YEAR		$17,317

BUILDING: Health Human Services
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	115,490	618	$0.067	$7,728	3	0.02	$10.50	$30	0	$0.00	$0	$7,758
August	10	170	100%	121,355	674	$0.067	$8,109	14	0.08	$10.50	$151	0	$0.00	$0	$8,260
September	48	138	100%	114,692	617	$0.068	$7,823	69	0.37	$10.50	$727	0	$0.00	$0	$8,550
October	347	0	100%	114,224	329	$0.068	$7,779	500	1.44	$10.50	$5,252	0	$0.00	$0	$13,032
November	595	0	100%	117,783	198	$0.069	$8,149	858	1.44	$10.50	$9,006	0	$0.00	$0	$17,156
December	740	0	100%	120,812	163	$0.063	$7,599	1,067	1.44	$10.50	$11,201	0	$0.00	$0	$18,800
1st half yr	1742	493		704,357	315	$0.067	$47,188	2,512	1.12	$10.50	$26,368	0	$0.00	$0	$73,556
January	1182	0	100%	120,609	102	$0.063	$7,617	1,705	1.44	$10.50	$17,892	0	$0.00	$0	$25,508
February	966	0	100%	122,812	127	$0.064	$7,816	1,393	1.44	$10.50	$14,622	0	$0.00	$0	$22,438
March	674	0	100%	133,935	199	$0.064	$8,638	972	1.44	$10.50	$10,202	0	$0.00	$0	$18,840
April	548	0	100%	131,839	241	$0.071	$9,353	790	1.44	$10.50	$8,295	0	$0.00	$0	$17,648
May	224	69	100%	120,015	410	$0.072	$8,663	323	1.10	$10.50	$3,391	0	$0.00	$0	$12,054
June	13	190	100%	117,044	577	$0.071	$8,336	19	0.09	$10.50	$197	0	$0.00	$0	$8,533
2nd half yr	3607	259		746,254	193	$0.068	$50,423	5,202	1.35	$10.50	$54,598	0	$0.00	$0	$105,020
TOTAL/YEAR	5349	752		1,450,611	238	$0.067	$97,610	7,714	1.26	$10.50	$80,966	0	$0.00	$0	$178,577

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	4,950,935
Steam = M (lbs) X 1,000,000	7,713,857
Natural Gas = MCF X 102,500	0
Other Fuel	0
TOTAL BTU's x 1,000	12,664,792

Energy Utilization Index =

Total BTU Consumption/Yr	12,664,791,797
Gross Area (ft) 2	163,006
Divided by 100,000 =	0.7770 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.10	
WATER COST TOTAL/YEAR		$25,773
WATER / SQ. FT. / YEAR	$0.16	
UTILITY COST/YEAR		$204,349

BUILDING: Health Education Center
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	59,651	319	$0.067	$3,992	0	0.00	$0.00	$0	0	$0.00	$0	$3,992
August	10	170	100%	52,628	292	$0.067	$3,517	0	0.00	$0.00	$0	0	$0.00	$0	$3,517
September	48	138	100%	56,295	303	$0.068	$3,840	0	0.00	$0.00	$0	0	$0.00	$0	$3,840
October	347	0	100%	60,445	174	$0.068	$4,117	243	0.70	$10.50	$2,546	0	$0.00	$0	$6,663
November	595	0	100%	54,888	92	$0.069	$3,798	416	0.70	$10.50	$4,366	0	$0.00	$0	$8,163
December	740	0	100%	65,230	88	$0.063	$4,103	517	0.70	$10.50	$5,430	0	$0.00	$0	$9,533
1st half yr	1742	493		349,136	156	$0.067	$23,365	1,176	0.53	$10.50	$12,341	0	$0.00	$0	$35,707
January	1182	0	100%	55,583	47	$0.063	$3,510	826	0.70	$10.50	$8,673	0	$0.00	$0	$12,183
February	966	0	100%	56,041	58	$0.064	$3,566	675	0.70	$10.50	$7,088	0	$0.00	$0	$10,654
March	674	0	100%	62,803	93	$0.064	$4,050	471	0.70	$10.50	$4,945	0	$0.00	$0	$8,996
April	548	0	100%	58,146	106	$0.071	$4,125	383	0.70	$10.50	$4,021	0	$0.00	$0	$8,146
May	224	69	100%	55,888	191	$0.072	$4,034	157	0.53	$10.50	$1,644	0	$0.00	$0	$5,678
June	13	190	100%	57,446	283	$0.071	$4,091	9	0.04	$10.50	$95	0	$0.00	$0	$4,187
2nd half yr	3607	259		345,907	89	$0.068	$23,378	2,521	0.65	$10.50	$26,466	0	$0.00	$0	$49,844
TOTAL/YEAR	5349	752		695,044	114	$0.067	$46,743	3,697	0.61	$10.50	$38,807	0	$0.00	$0	$85,550

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	2,372,183
Natural Gas = MCF X 102,500	378,973
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	2,751,156

Energy Utilization Index =

Total BTU Consumption/Yr	2,751,156,105	
Gross Area (ft) 2	79,016	
Divided by 100,000 =	0.3482	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.08	
WATER COST TOTAL/YEAR		$25,475
WATER / SQ. FT. / YEAR	$0.32	
UTILITY COST/YEAR		$111,025

BUILDING: International House
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	89,659	479	$0.067	$6,000	2	0.01	$10.50	$26	0	$0.00	$0	$6,025
August	10	170	100%	88,816	493	$0.067	$5,935	12	0.07	$10.50	$129	49	$7.20	$350	$6,414
September	48	138	100%	112,921	607	$0.068	$7,702	59	0.32	$10.50	$619	41	$9.45	$386	$8,708
October	347	0	100%	116,217	335	$0.068	$7,915	426	1.23	$10.50	$4,476	39	$9.57	$370	$12,761
November	595	0	100%	107,109	180	$0.069	$7,411	731	1.23	$10.50	$7,675	36	$9.74	$351	$15,436
December	740	0	100%	108,767	147	$0.063	$6,841	909	1.23	$10.50	$9,545	22	$11.22	$242	$16,629
1st half yr	1742	493		623,489	279	$0.067	$41,804	2,141	0.96	$10.50	$22,469	186	$9.15	$1,699	$65,972
January	1182	0	100%	96,330	81	$0.063	$6,083	1,453	1.23	$10.50	$15,246	33	$9.89	$325	$21,655
February	966	0	100%	104,350	108	$0.064	$6,641	1,187	1.23	$10.50	$12,460	27	$10.44	$285	$19,386
March	674	0	100%	108,523	161	$0.064	$6,999	828	1.23	$10.50	$8,694	32	$10.07	$324	$16,017
April	548	0	100%	102,265	187	$0.071	$7,255	673	1.23	$10.50	$7,068	22	$11.53	$258	$14,582
May	224	69	100%	66,278	226	$0.072	$4,784	275	0.94	$10.50	$2,889	0	$0.00	$84	$7,757
June	13	190	100%	79,716	393	$0.071	$5,678	16	0.08	$10.50	$168	0	$0.00	$84	$5,929
2nd half yr	3607	259		557,463	144	$0.067	$37,440	4,433	1.15	$10.50	$46,525	115	$11.85	$1,361	$85,326
TOTAL/YEAR	5349	752		1,180,952	194	$0.067	$79,244	6,573	1.08	$10.50	$68,994	301	$10.18	$3,060	$151,298

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	4,030,588
Steam = M (lbs) X 1,000,000	6,573,289
Natural Gas = MCF X 102,500	30,812
Other Fuel	0
TOTAL BTU's x 1,000	10,634,689

Energy Utilization Index =

Total BTU Consumption/Yr	10,634,688,760	
Gross Area (ft) 2	138,904	
Divided by 100,000 =	0.7656	THERMS

CHILLED WATER COST/YEAR		$36,400
ENERGY COST / SQ. FT. / YEAR	$1.35	
WATER COST TOTAL/YEAR		$41,510
WATER / SQ. FT. / YEAR	$0.30	
UTILITY COST/YEAR		$229,208

BUILDING: Lake Erie Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	73,300	392	$0.101	$7,428	178	0.95	$7.44	$1,325	0	$4.50	$0	$8,753
August	10	170	100%	74,600	414	$0.094	$7,040	170	0.94	$9.26	$1,575	0	$4.50	$0	$8,615
September	48	138	100%	72,900	392	$0.092	$6,703	231	1.24	$7.93	$1,831	0	$4.50	$0	$8,534
October	347	0	100%	53,000	153	$0.097	$5,117	339	0.98	$6.76	$2,293	0	$4.50	$0	$7,410
November	595	0	100%	50,900	86	$0.099	$5,050	367	0.62	$6.46	$2,370	0	$4.50	$0	$7,420
December	740	0	100%	41,400	56	$0.097	$4,025	347	0.47	$6.61	$2,295	0	$4.50	$0	$6,320
1st half yr	1742	493		366,100	164	$0.097	$35,363	1,632	0.73	$7.16	$11,688	0	$4.50	$0	$47,051
January	1182	0	100%	44,600	38	$0.097	$4,323	484	0.41	$6.11	$2,958	0	$4.50	$0	$7,281
February	966	0	100%	47,200	49	$0.094	$4,457	493	0.51	$6.12	$3,016	0	$4.50	$0	$7,473
March	674	0	100%	42,700	63	$0.098	$4,180	372	0.55	$6.90	$2,566	0	$4.50	$0	$6,746
April	548	0	100%	47,300	86	$0.104	$4,907	231	0.42	$7.21	$1,666	0	$4.50	$0	$6,573
May	224	69	100%	47,700	163	$0.104	$4,964	141	0.48	$8.01	$1,129	0	$4.50	$0	$6,093
June	13	190	100%	67,600	333	$0.099	$6,713	147	0.72	$6.86	$1,009	0	$4.50	$0	$7,722
2nd half yr	3607	259		297,100	77	$0.099	$29,544	1,868	0.48	$6.61	$12,345	0	$4.50	$0	$41,889
TOTAL/YEAR	5349	752		663,200	109	$0.098	$64,908	3,500	0.57	$6.87	$24,032	0	$4.50	$0	$88,940

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	2,263,502
Natural Gas = MCF X 102,500	358,750
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	2,622,252

Energy Utilization Index =

Total BTU Consumption/Yr	2,622,251,600	
Gross Area (ft) 2	34,054	
Divided by 100,000 =	0.7700	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.61	
WATER COST TOTAL/YEAR		$2,673
WATER / SQ. FT. / YEAR	$0.08	
UTILITY COST/YEAR		$91,613

BUILDING: Larimer Athletic Complex
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	96,275	515	$0.067	$6,442	0	0.00	$0.00	$0	36	$5.88	$212	$6,654
August	10	170	100%	84,445	469	$0.067	$5,643	0	0.00	$0.00	$0	51	$7.59	$387	$6,030
September	48	138	100%	147,120	791	$0.068	$10,035	0	0.00	$0.00	$0	59	$6.74	$398	$10,433
October	347	0	100%	147,120	424	$0.068	$10,020	99	0.28	$10.50	$1,036	65	$6.00	$390	$11,446
November	595	0	100%	94,985	160	$0.069	$6,572	169	0.28	$10.50	$1,776	68	$5.72	$389	$8,736
December	740	0	100%	94,985	128	$0.063	$5,975	210	0.28	$10.50	$2,208	73	$5.73	$418	$8,601
1st half yr	1742	493		664,930	298	$0.067	$44,686	478	0.21	$10.50	$5,020	352	$6.23	$2,194	$51,900
January	1182	0	100%	69,360	59	$0.063	$4,380	336	0.28	$10.50	$3,528	42	$5.45	$229	$8,137
February	966	0	100%	86,440	89	$0.064	$5,501	275	0.28	$10.50	$2,883	47	$5.45	$256	$8,640
March	674	0	100%	99,660	148	$0.064	$6,427	192	0.28	$10.50	$2,011	54	$6.01	$325	$8,764
April	548	0	100%	95,210	174	$0.071	$6,754	156	0.28	$10.50	$1,635	63	$5.78	$364	$8,754
May	224	69	100%	123,730	422	$0.072	$8,932	64	0.22	$10.50	$669	39	$5.69	$222	$9,822
June	13	190	100%	196,660	969	$0.071	$14,007	4	0.02	$10.50	$39	36	$4.68	$169	$14,214
2nd half yr	3607	259		671,060	174	$0.069	$46,001	1,026	0.27	$10.50	$10,765	281	$5.57	$1,564	$58,330
TOTAL/YEAR	5349	752		1,335,990	219	$0.068	$90,687	1,504	0.25	$10.50	$15,785	633	$5.94	$3,758	$110,230

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	4,559,734
Natural Gas = MCF X 102,500	154,143
Fuel Oil = Gallons X 138,700	87,797
Other Fuel	0
TOTAL BTU's x 1,000	4,801,674

Energy Utilization Index =

Total BTU Consumption/Yr	4,801,674,456	
Gross Area (ft) 2	32,139	
Divided by 100,000 =	1.4940	THERMS

ENERGY COST / SQ. FT. / YEAR	$3.43	
WATER COST TOTAL/YEAR		$11,837
WATER / SQ. FT. / YEAR	$0.37	
UTILITY COST/YEAR		$122,067

BUILDING: Law Center
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	337,511	1,805	$0.067	$22,585	2	0.01	$10.50	$23	0	$0.00	$0	$22,608
August	10	170	100%	295,139	1,640	$0.067	$19,721	11	0.06	$10.50	$116	1	$62.47	$56	$19,894
September	48	138	100%	311,718	1,676	$0.068	$21,263	53	0.29	$10.50	$559	1	$56.10	$28	$21,849
October	347	0	100%	337,737	973	$0.068	$23,002	385	1.11	$10.50	$4,040	0	$68.45	$27	$27,070
November	595	0	100%	263,485	443	$0.069	$18,230	660	1.11	$10.50	$6,928	1	$55.74	$28	$25,186
December	740	0	100%	335,242	453	$0.063	$21,087	821	1.11	$10.50	$8,616	1	$55.84	$28	$29,731
1st half yr	1742	493		1,880,832	842	$0.067	$125,887	1,932	0.86	$10.50	$20,284	3	$59.80	$167	$146,338
January	1182	0	100%	288,439	244	$0.063	$18,215	1,311	1.11	$10.50	$13,763	0	$68.53	$27	$32,006
February	966	0	100%	303,157	314	$0.064	$19,293	1,072	1.11	$10.50	$11,248	1	$55.18	$28	$30,568
March	674	0	100%	350,934	521	$0.064	$22,633	748	1.11	$10.50	$7,848	0	$68.48	$27	$30,508
April	548	0	100%	316,352	577	$0.071	$22,442	608	1.11	$10.50	$6,381	1	$57.74	$29	$28,852
May	224	69	100%	289,210	987	$0.072	$20,877	248	0.85	$10.50	$2,608	1	$57.86	$29	$23,514
June	13	190	100%	306,345	1,509	$0.071	$21,819	14	0.07	$10.50	$151	0	$72.10	$29	$21,999
2nd half yr	3607	259		1,854,437	480	$0.068	$125,279	4,001	1.04	$10.50	$41,999	3	$62.60	$169	$167,447
TOTAL/YEAR	5349	752		3,735,270	612	$0.067	$251,166	5,934	0.97	$10.50	$62,283	6	$61.18	$336	$313,785

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	12,748,475
Steam = M (lbs) X 1,000,000	5,933,867
Natural Gas = MCF X 102,500	564
Other Fuel	0
TOTAL BTU's x 1,000	18,682,906

Energy Utilization Index =

Total BTU Consumption/Yr	18,682,906,280	
Gross Area (ft) 2	125,392	
Divided by 100,000 =	1.4900	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.50	
WATER COST TOTAL/YEAR		$12,439
WATER / SQ. FT. / YEAR	$0.10	
UTILITY COST/YEAR		$326,224

BUILDING: Levis House
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	4,357	23	$0.095	$416	0	0.00	$0.00	$0	0	$4.50	$0	$416
August	10	170	100%	4,135	23	$0.095	$101	0	0.00	$0.00	$0	0	$4.50	$0	$101
September	48	138	100%	2,138	11	$0.095	$204	0	0.00	$0.00	$0	0	$4.50	$0	$204
October	347	0	100%	2,852	8	$0.095	$272	0	0.00	$0.00	$0	0	$4.50	$0	$272
November	595	0	100%	3,124	5	$0.095	$298	0	0.00	$0.00	$0	0	$4.50	$0	$298
December	740	0	100%	5,982	8	$0.095	$571	0	0.00	$0.00	$0	0	$4.50	$0	$571
1st half yr	1742	493		22,588	10	$0.095	$1,863	0	0.00	$0.00	$0	0	$4.50	$0	$1,863
January	1182	0	100%	8,119	7	$0.095	$775	0	0.00	$0.00	$0	0	$4.50	$0	$775
February	966	0	100%	8,641	9	$0.095	$825	0	0.00	$0.00	$0	0	$4.50	$0	$825
March	674	0	100%	3,351	5	$0.095	$320	0	0.00	$0.00	$0	0	$4.50	$0	$320
April	548	0	100%	6,392	12	$0.095	$610	0	0.00	$0.00	$0	0	$4.50	$0	$610
May	224	69	100%	3,351	11	$0.095	$320	0	0.00	$0.00	$0	0	$4.50	$0	$320
June	13	190	100%	3,351	17	$0.095	$320	0	0.00	$0.00	$0	0	$4.50	$0	$320
2nd half yr	3607	259		33,205	9	$0.095	$3,170	0	0.00	$0.00	$0	0	$4.50	$0	$3,170
TOTAL/YEAR	5349	752		55,793	9	$0.095	$5,643	0	0.00	$0.00	$0	0	$4.50	$0	$5,643

Building Data: 1920

Gross Area (ft)2 6,457

Gross Volume (ft)3 51,656

General Notes:

Energy Consumption to BTU Conversions

	BTU's x 1,000
Electricity = KWH X 3413	190,422
Natural Gas = MCF X 102,500	0
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	190,422

Energy Utilization Index =

Total BTU Consumption/Yr	190,421,509
Gross Area (ft) 2	6,457
Divided by 100,000 =	0.2949 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.87	
WATER COST TOTAL/YEAR		$7,392
WATER / SQ. FT. / YEAR	$1.14	
UTILITY COST/YEAR		$13,035

BUILDING: Libby Hall
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	14,233	76	$0.067	$952	0	0.00	$10.50	$3	0	$0.00	$0	$956
August	10	170	100%	11,783	65	$0.067	$787	1	0.01	$10.50	$16	31	$6.84	$210	$1,013
September	48	138	100%	12,164	65	$0.068	$830	7	0.04	$10.50	$75	9	$7.87	$68	$972
October	347	0	100%	13,109	38	$0.068	$893	51	0.15	$10.50	$540	6	$8.53	$52	$1,485
November	595	0	100%	11,962	20	$0.069	$828	88	0.15	$10.50	$926	6	$8.65	$54	$1,808
December	740	0	100%	13,081	18	$0.063	$823	110	0.15	$10.50	$1,152	8	$7.81	$60	$2,035
1st half yr	1742	493		76,332	34	$0.067	$5,113	258	0.12	$10.50	$2,712	59	$7.48	$443	$8,268
January	1182	0	100%	10,368	9	$0.063	$655	175	0.15	$10.50	$1,840	6	$8.56	$51	$2,546
February	966	0	100%	11,395	12	$0.064	$725	143	0.15	$10.50	$1,504	6	$7.84	$49	$2,279
March	674	0	100%	12,355	18	$0.064	$797	100	0.15	$10.50	$1,049	7	$8.06	$54	$1,900
April	548	0	100%	10,845	20	$0.071	$769	81	0.15	$10.50	$853	8	$7.89	$60	$1,683
May	224	69	100%	11,632	40	$0.072	$840	33	0.11	$10.50	$349	9	$7.34	$69	$1,257
June	13	190	100%	11,972	59	$0.071	$853	2	0.01	$10.50	$20	8	$8.99	$67	$940
2nd half yr	3607	259		68,567	18	$0.068	$4,638	535	0.14	$10.50	$5,616	44	$8.07	$351	$10,606
TOTAL/YEAR	5349	752		144,899	24	$0.067	$9,751	793	0.13	$10.50	$8,328	103	$7.73	$795	$18,874

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	494,540
Steam = M (lbs) X 1,000,000	793,457
Natural Gas = MCF X 102,500	10,537
Other Fuel	0
TOTAL BTU's x 1,000	1,298,534

Energy Utilization Index =

Total BTU Consumption/Yr	1,298,534,196	
Gross Area (ft) 2	16,767	
Divided by 100,000 =	0.7745	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.13	
WATER COST TOTAL/YEAR		$1,746
WATER / SQ. FT. / YEAR	$0.10	
UTILITY COST/YEAR		$20,620

BUILDING: MacKinnon Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	15,436	83	$0.067	$1,033	1	0.00	$10.50	$8	0	$4.50	$0	$1,041
August	10	170	100%	15,048	84	$0.067	$1,006	4	0.02	$10.50	$39	0	$4.50	$0	$1,044
September	48	138	100%	17,806	96	$0.068	$1,215	18	0.10	$10.50	$186	0	$4.50	$0	$1,401
October	347	0	100%	19,377	56	$0.068	$1,320	128	0.37	$10.50	$1,346	0	$4.50	$0	$2,666
November	595	0	100%	17,809	30	$0.069	$1,232	220	0.37	$10.50	$2,309	0	$4.50	$0	$3,541
December	740	0	100%	18,884	26	$0.063	$1,188	274	0.37	$10.50	$2,871	0	$4.50	$0	$4,059
1st half yr	1742	493		104,360	47	$0.067	$6,993	644	0.29	$10.50	$6,760	0	$4.50	$0	$13,752
January	1182	0	100%	18,475	16	$0.063	$1,167	437	0.37	$10.50	$4,587	0	$4.50	$0	$5,753
February	966	0	100%	19,777	20	$0.064	$1,259	357	0.37	$10.50	$3,748	0	$4.50	$0	$5,007
March	674	0	100%	21,350	32	$0.064	$1,377	249	0.37	$10.50	$2,615	0	$4.50	$0	$3,992
April	548	0	100%	19,144	35	$0.071	$1,358	203	0.37	$10.50	$2,126	0	$4.50	$0	$3,485
May	224	69	100%	12,351	42	$0.072	$892	83	0.28	$10.50	$869	0	$4.50	$0	$1,761
June	13	190	100%	12,800	63	$0.071	$912	5	0.02	$10.50	$50	0	$4.50	$0	$962
2nd half yr	3607	259		103,897	27	$0.067	$6,964	1,333	0.34	$10.50	$13,996	0	$4.50	$0	$20,960
TOTAL/YEAR	5349	752		208,257	34	$0.067	$13,956	1,977	0.32	$10.50	$20,756	0	$4.50	$0	$34,712

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	710,781
Steam = M (lbs) X 1,000,000	1,977,467
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	2,688,247

Energy Utilization Index =

Total BTU Consumption/Yr	2,688,247,481	
Gross Area (ft) 2	41,787	
Divided by 100,000 =	0.6433	THERMS

CHILLED WATER COST/YEAR		$10,200
ENERGY COST / SQ. FT. / YEAR	$1.07	
WATER COST TOTAL/YEAR		$8,242
WATER / SQ. FT. / YEAR	$0.20	
UTILITY COST/YEAR		$53,154

BUILDING: Main Campus Medical Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	29,720	159	$0.067	$1,989	0	0.00	$10.50	$2	0	$4.50	$0	$1,991
August	10	170	100%	25,090	139	$0.067	$1,677	1	0.01	$10.50	$12	0	$4.50	$0	$1,688
September	48	138	100%	22,155	119	$0.068	$1,511	5	0.03	$10.50	$56	0	$4.50	$0	$1,567
October	347	0	100%	22,155	64	$0.068	$1,509	39	0.11	$10.50	$405	0	$4.50	$0	$1,914
November	595	0	100%	16,840	28	$0.069	$1,165	66	0.11	$10.50	$695	0	$4.50	$0	$1,860
December	740	0	100%	16,840	23	$0.063	$1,059	82	0.11	$10.50	$864	0	$4.50	$0	$1,923
1st half yr	1742	493		132,800	59	$0.067	$8,910	194	0.09	$10.50	$2,034	0	$4.50	$0	$10,944
January	1182	0	100%	10,930	9	$0.063	$690	131	0.11	$10.50	$1,380	0	$4.50	$0	$2,070
February	966	0	100%	15,100	16	$0.064	$961	107	0.11	$10.50	$1,128	0	$4.50	$0	$2,089
March	674	0	100%	16,040	24	$0.064	$1,034	75	0.11	$10.50	$787	0	$4.50	$0	$1,821
April	548	0	100%	13,220	24	$0.071	$938	61	0.11	$10.50	$640	0	$4.50	$0	$1,578
May	224	69	100%	17,220	59	$0.072	$1,243	25	0.09	$10.50	$262	0	$4.50	$0	$1,505
June	13	190	100%	22,370	110	$0.071	$1,593	1	0.01	$10.50	$15	0	$4.50	$0	$1,608
2nd half yr	3607	259		94,880	25	$0.068	$6,460	401	0.10	$10.50	$4,212	0	$4.50	$0	$10,671
TOTAL/YEAR	5349	752		227,680	37	$0.068	$15,370	595	0.10	$10.50	$6,246	0	$4.50	$0	$21,615

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	777,072
Steam = M (lbs) X 1,000,000	595,034
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,372,105

Energy Utilization Index =

Total BTU Consumption/Yr	1,372,105,369	
Gross Area (ft) 2	12,574	
Divided by 100,000 =	1.0912	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.72	
WATER COST TOTAL/YEAR		$5,871
WATER / SQ. FT. / YEAR	$0.47	
UTILITY COST/YEAR		$27,486

BUILDING: McComas Village
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	16,912	90	$0.067	$1,132	0	0.00	$0.00	$0	0	$4.50	$0	$1,132
August	10	170	100%	54,775	304	$0.067	$3,660	83	0.46	$20.67	$1,720	0	$4.50	$0	$5,380
September	48	138	100%	74,675	401	$0.068	$5,094	102	0.55	$11.25	$1,143	0	$4.50	$0	$6,237
October	347	0	100%	60,788	175	$0.068	$4,140	153	0.44	$9.66	$1,481	0	$4.50	$0	$5,621
November	595	0	100%	50,545	85	$0.069	$3,497	265	0.45	$8.26	$2,192	0	$4.50	$0	$5,690
December	740	0	100%	44,568	60	$0.063	$2,803	362	0.49	$7.60	$2,754	0	$4.50	$0	$5,557
1st half yr	1742	493		302,263	135	$0.067	$20,326	966	0.43	$9.62	$9,291	0	$4.50	$0	$29,617
January	1182	0	100%	49,306	42	$0.063	$3,114	420	0.36	$8.05	$3,378	0	$4.50	$0	$6,492
February	966	0	100%	57,219	59	$0.064	$3,641	381	0.39	$7.62	$2,900	0	$4.50	$0	$6,541
March	674	0	100%	56,605	84	$0.064	$3,651	278	0.41	$8.23	$2,289	0	$4.50	$0	$5,940
April	548	0	100%	54,036	99	$0.071	$3,833	140	0.26	$10.26	$1,438	0	$4.50	$0	$5,271
May	224	69	100%	20,813	71	$0.072	$1,502	21	0.07	$29.65	$634	0	$4.50	$0	$2,137
June	13	190	100%	21,427	106	$0.071	$1,526	10	0.05	$50.02	$515	0	$4.50	$0	$2,041
2nd half yr	3607	259		259,406	67	$0.067	$17,268	1,250	0.32	$8.92	$11,155	0	$4.50	$0	$28,423
TOTAL/YEAR	5349	752		561,670	92	$0.067	$37,594	2,216	0.36	$9.23	$20,446	0	$4.50	$0	$58,039

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	1,916,978
Natural Gas = MCF X 102,500	227,140
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	2,144,118

Energy Utilization Index =

Total BTU Consumption/Yr	2,144,118,345
Gross Area (ft) 2	124,533
Divided by 100,000 =	0.1722 THERMS

ENERGY COST / SQ. FT. / YEAR	$0.47	
WATER COST TOTAL/YEAR		$38,313
WATER / SQ. FT. / YEAR	$0.31	
UTILITY COST/YEAR		$96,352

BUILDING: McMaster Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	82,171	439	$0.067	$5,499	1	0.01	$10.50	$12	0	$4.50	$0	$5,511
August	10	170	100%	74,710	415	$0.067	$4,992	6	0.03	$10.50	$62	0	$4.50	$0	$5,055
September	48	138	100%	78,912	424	$0.068	$5,383	29	0.15	$10.50	$300	0	$4.50	$0	$5,682
October	347	0	100%	86,069	248	$0.068	$5,862	206	0.59	$10.50	$2,165	0	$4.50	$0	$8,027
November	595	0	100%	75,458	127	$0.069	$5,221	354	0.59	$10.50	$3,713	0	$4.50	$0	$8,933
December	740	0	100%	89,351	121	$0.063	$5,620	440	0.59	$10.50	$4,617	0	$4.50	$0	$10,238
1st half yr	1742	493		486,670	218	$0.067	$32,576	1,036	0.46	$10.50	$10,869	0	$4.50	$0	$43,445
January	1182	0	100%	78,365	66	$0.063	$4,949	703	0.59	$10.50	$7,375	0	$4.50	$0	$12,324
February	966	0	100%	85,366	88	$0.064	$5,433	574	0.59	$10.50	$6,027	0	$4.50	$0	$11,460
March	674	0	100%	94,990	141	$0.064	$6,126	401	0.59	$10.50	$4,205	0	$4.50	$0	$10,332
April	548	0	100%	83,967	153	$0.071	$5,957	326	0.59	$10.50	$3,419	0	$4.50	$0	$9,376
May	224	69	100%	73,711	252	$0.072	$5,321	133	0.45	$10.50	$1,398	0	$4.50	$0	$6,719
June	13	190	100%	81,429	401	$0.071	$5,800	8	0.04	$10.50	$81	0	$4.50	$0	$5,881
2nd half yr	3607	259		497,827	129	$0.067	$33,585	2,144	0.55	$10.50	$22,506	0	$4.50	$0	$56,091
TOTAL/YEAR	5349	752		984,497	161	$0.067	$66,161	3,180	0.52	$10.50	$33,376	0	$4.50	$0	$99,537

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	3,360,088
Steam = M (lbs) X 1,000,000	3,179,790
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	6,539,879

Energy Utilization Index =

Total BTU Consumption/Yr	6,539,878,536	
Gross Area (ft) 2	67,194	
Divided by 100,000 =	0.9733	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.48	
WATER COST TOTAL/YEAR		$2,189
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$101,725

BUILDING: Memorial Field House
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	104,422	558	$0.067	$6,987	3	0.01	$10.50	$29	0	$4.50	$0	$7,016
August	10	170	100%	97,925	544	$0.067	$6,543	14	0.08	$10.50	$145	0	$4.50	$0	$6,688
September	48	138	100%	104,838	564	$0.068	$7,151	66	0.36	$10.50	$696	0	$4.50	$0	$7,847
October	347	0	100%	101,838	293	$0.068	$6,936	479	1.38	$10.50	$5,029	0	$4.50	$0	$11,965
November	595	0	100%	95,636	161	$0.069	$6,617	822	1.38	$10.50	$8,623	0	$4.50	$0	$15,240
December	740	0	100%	100,032	135	$0.063	$6,292	1,022	1.38	$10.50	$10,725	0	$4.50	$0	$17,017
1st half yr	1742	493		604,692	271	$0.067	$40,527	2,405	1.08	$10.50	$25,247	0	$4.50	$0	$65,773
January	1182	0	100%	93,929	79	$0.063	$5,932	1,632	1.38	$10.50	$17,131	0	$4.50	$0	$23,062
February	966	0	100%	97,488	101	$0.064	$6,204	1,334	1.38	$10.50	$14,000	0	$4.50	$0	$20,204
March	674	0	100%	118,292	176	$0.064	$7,629	931	1.38	$10.50	$9,768	0	$4.50	$0	$17,397
April	548	0	100%	113,178	207	$0.071	$8,029	757	1.38	$10.50	$7,942	0	$4.50	$0	$15,971
May	224	69	100%	103,367	353	$0.072	$7,462	309	1.06	$10.50	$3,246	0	$4.50	$0	$10,708
June	13	190	100%	109,560	540	$0.071	$7,803	18	0.09	$10.50	$188	0	$4.50	$0	$7,991
2nd half yr	3607	259		635,813	164	$0.068	$43,058	4,980	1.29	$10.50	$52,276	0	$4.50	$0	$95,335
TOTAL/YEAR	5349	752		1,240,505	203	$0.067	$83,585	7,386	1.21	$10.50	$77,523	0	$4.50	$0	$161,108

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	4,233,844
Steam = M (lbs) X 1,000,000	7,385,817
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	11,619,661

Energy Utilization Index =

Total BTU Consumption/Yr	11,619,660,904
Gross Area (ft) 2	156,074
Divided by 100,000 =	0.7445 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.03	
WATER COST TOTAL/YEAR		$154,466
WATER / SQ. FT. / YEAR	$0.99	
UTILITY COST/YEAR		$315,574

BUILDING: Nitschke Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	264,220	1,413	$0.067	$17,680	2	0.01	$10.50	$25	0	$4.50	$0	$17,705
August	10	170	100%	220,833	1,227	$0.067	$14,756	12	0.06	$10.50	$123	0	$4.50	$0	$14,879
September	48	138	100%	207,578	1,116	$0.068	$14,159	56	0.30	$10.50	$589	0	$4.50	$0	$14,748
October	347	0	100%	207,578	598	$0.068	$14,137	406	1.17	$10.50	$4,258	0	$4.50	$0	$18,396
November	595	0	100%	127,790	215	$0.069	$8,842	696	1.17	$10.50	$7,302	0	$4.50	$0	$16,144
December	740	0	100%	127,790	173	$0.063	$8,038	865	1.17	$10.50	$9,081	0	$4.50	$0	$17,119
1st half yr	1742	493		1,155,790	517	$0.067	$77,613	2,037	0.91	$10.50	$21,378	0	$4.50	$0	$98,991
January	1182	0	100%	89,035	75	$0.063	$5,623	1,382	1.17	$10.50	$14,506	0	$4.50	$0	$20,128
February	966	0	100%	94,905	98	$0.064	$6,040	1,129	1.17	$10.50	$11,855	0	$4.50	$0	$17,895
March	674	0	100%	125,290	186	$0.064	$8,080	788	1.17	$10.50	$8,271	0	$4.50	$0	$16,352
April	548	0	100%	107,440	196	$0.071	$7,622	641	1.17	$10.50	$6,725	0	$4.50	$0	$14,347
May	224	69	100%	155,700	531	$0.072	$11,239	262	0.89	$10.50	$2,749	0	$4.50	$0	$13,988
June	13	190	100%	202,000	995	$0.071	$14,387	15	0.07	$10.50	$160	0	$4.50	$0	$14,546
2nd half yr	3607	259		774,370	200	$0.068	$52,991	4,217	1.09	$10.50	$44,266	0	$4.50	$0	$97,257
TOTAL/YEAR	5349	752		1,930,160	316	$0.068	$130,603	6,254	1.03	$10.50	$65,644	0	$4.50	$0	$196,248

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	6,587,636
Steam = M (lbs) X 1,000,000	6,254,099
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	12,841,735

Energy Utilization Index =

Total BTU Consumption/Yr	12,841,734,704
Gross Area (ft) 2	132,159
Divided by 100,000 =	0.9717 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.48	
WATER COST TOTAL/YEAR		$25,290
WATER / SQ. FT. / YEAR	$0.19	
UTILITY COST/YEAR		$221,537

BUILDING: Nitschke Technology Commercialization Complex
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	33,610	180	$0.067	$2,249	0	0.00	$0.00	$0	0	$4.50	$0	$2,249
August	10	170	100%	33,740	187	$0.067	$2,255	0	0.00	$772.90	$77	0	$4.50	$0	$2,332
September	48	138	100%	25,408	137	$0.068	$1,733	1	0.01	$104.07	$104	0	$4.50	$0	$1,837
October	347	0	100%	25,643	74	$0.068	$1,746	1	0.00	$28.49	$31	0	$4.50	$0	$1,778
November	595	0	100%	39,312	66	$0.069	$2,720	11	0.02	$8.38	$96	0	$4.50	$0	$2,815
December	740	0	100%	35,118	47	$0.063	$2,209	19	0.03	$7.41	$140	0	$4.50	$0	$2,349
1st half yr	1742	493		192,831	86	$0.067	$12,912	33	0.01	$13.79	$448	0	$4.50	$0	$13,360
January	1182	0	100%	47,249	40	$0.063	$2,984	20	0.02	$7.35	$146	0	$4.50	$0	$3,129
February	966	0	100%	68,585	71	$0.064	$4,365	12	0.01	$8.19	$99	0	$4.50	$0	$4,464
March	674	0	100%	46,783	69	$0.064	$3,017	9	0.01	$9.06	$81	0	$4.50	$0	$3,098
April	548	0	100%	34,168	62	$0.071	$2,424	1	0.00	$44.41	$31	0	$4.50	$0	$2,455
May	224	69	100%	48,047	164	$0.072	$3,468	1	0.00	$44.56	$31	0	$4.50	$0	$3,500
June	13	190	100%	44,852	221	$0.071	$3,194	2	0.01	$19.08	$36	0	$4.50	$0	$3,231
2nd half yr	3607	259		289,684	75	$0.067	$19,452	44	0.01	$9.61	$424	0	$4.50	$0	$19,876
TOTAL/YEAR	5349	752		482,515	79	$0.067	$32,364	77	0.01	$11.38	$872	0	$4.50	$0	$33,236

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	1,646,824
Natural Gas = MCF X 102,500	7,852
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,654,675

Energy Utilization Index =

Total BTU Consumption/Yr	1,654,675,195	
Gross Area (ft) 2	39,961	
Divided by 100,000 =	0.4141	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.83	
WATER COST TOTAL/YEAR		$6,465
WATER / SQ. FT. / YEAR	$0.16	
UTILITY COST/YEAR		$39,701

BUILDING: North Engineering
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	377,821	2,020	$0.067	$25,282	4	0.02	$10.50	$47	0	$4.50	$0	$25,329
August	10	170	100%	339,375	1,885	$0.067	$22,677	22	0.12	$10.50	$235	0	$4.50	$0	$22,912
September	48	138	100%	331,113	1,780	$0.068	$22,585	107	0.58	$10.50	$1,127	0	$4.50	$0	$23,713
October	347	0	100%	294,084	848	$0.068	$20,029	776	2.24	$10.50	$8,149	0	$4.50	$0	$28,178
November	595	0	100%	241,753	406	$0.069	$16,727	1,331	2.24	$10.50	$13,973	0	$4.50	$0	$30,699
December	740	0	100%	269,565	364	$0.063	$16,956	1,656	2.24	$10.50	$17,378	0	$4.50	$0	$34,334
1st half yr	1742	493		1,853,711	829	$0.067	$124,256	3,897	1.74	$10.50	$40,908	0	$4.50	$0	$165,164
January	1182	0	100%	234,599	198	$0.063	$14,815	2,645	2.24	$10.50	$27,758	0	$4.50	$0	$42,573
February	966	0	100%	245,391	254	$0.064	$15,617	2,161	2.24	$10.50	$22,685	0	$4.50	$0	$38,302
March	674	0	100%	252,338	374	$0.064	$16,274	1,508	2.24	$10.50	$15,828	0	$4.50	$0	$32,102
April	548	0	100%	242,400	442	$0.071	$17,196	1,226	2.24	$10.50	$12,869	0	$4.50	$0	$30,065
May	224	69	100%	303,595	1,036	$0.072	$21,915	501	1.71	$10.50	$5,260	0	$4.50	$0	$27,176
June	13	190	100%	397,871	1,960	$0.071	$28,337	29	0.14	$10.50	$305	0	$4.50	$0	$28,643
2nd half yr	3607	259		1,676,194	434	$0.068	$114,155	8,070	2.09	$10.50	$84,705	0	$4.50	$0	$198,860
TOTAL/YEAR	5349	752		3,529,905	579	$0.068	$238,410	11,968	1.96	$10.50	$125,614	0	$4.50	$0	$364,024

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	12,047,565
Steam = M (lbs) X 1,000,000	11,967,585
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	24,015,150

Energy Utilization Index =

Total BTU Consumption/Yr	24,015,150,055	
Gross Area (ft) 2	252,894	
Divided by 100,000 =	0.9496	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.44	
WATER COST TOTAL/YEAR		$48,393
WATER / SQ. FT. / YEAR	$0.19	
UTILITY COST/YEAR		$412,418

BUILDING: Ottawa House E&W
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	207,869	1,112	$0.067	$13,910	5	0.03	$10.50	$50	0	$0.00	$0	$13,960
August	10	170	100%	196,342	1,091	$0.067	$13,120	24	0.13	$10.50	$252	198	$7.55	$1,498	$14,869
September	48	138	100%	231,335	1,244	$0.068	$15,780	115	0.62	$10.50	$1,209	687	$7.05	$4,839	$21,828
October	347	0	100%	271,268	782	$0.068	$18,475	833	2.40	$10.50	$8,742	407	$7.17	$2,917	$30,134
November	595	0	100%	243,787	410	$0.069	$16,867	1,428	2.40	$10.50	$14,989	432	$7.24	$3,123	$34,980
December	740	0	100%	254,652	344	$0.063	$16,018	1,776	2.40	$10.50	$18,642	260	$7.35	$1,912	$36,572
1st half yr	1742	493		1,405,253	629	$0.067	$94,169	4,181	1.87	$10.50	$43,885	1,984	$7.20	$14,290	$152,343
January	1182	0	100%	225,410	191	$0.063	$14,235	2,837	2.40	$10.50	$29,777	539	$7.11	$3,829	$47,841
February	966	0	100%	254,323	263	$0.064	$16,185	2,319	2.40	$10.50	$24,336	424	$7.18	$3,040	$43,561
March	674	0	100%	278,009	412	$0.064	$17,930	1,618	2.40	$10.50	$16,980	505	$7.24	$3,658	$38,567
April	548	0	100%	252,498	461	$0.071	$17,912	1,315	2.40	$10.50	$13,805	354	$7.36	$2,608	$34,325
May	224	69	100%	167,288	571	$0.072	$12,076	538	1.83	$10.50	$5,643	92	$8.54	$782	$18,501
June	13	190	100%	191,353	943	$0.071	$13,629	31	0.15	$10.50	$327	188	$6.49	$1,217	$15,173
2nd half yr	3607	259		1,368,881	354	$0.067	$91,966	8,657	2.24	$10.50	$90,868	2,101	$7.20	$15,134	$197,968
TOTAL/YEAR	5349	752		2,774,134	455	$0.067	$186,135	12,838	2.10	$10.50	$134,753	4,085	$7.20	$29,423	$350,311

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	9,468,119
Steam = M (lbs) X 1,000,000	12,838,272
Natural Gas = MCF X 102,500	418,723
Other Fuel	0
TOTAL BTU's x 1,000	22,725,114

Energy Utilization Index =

Total BTU Consumption/Yr	22,725,114,006	
Gross Area (ft) 2	271,293	
Divided by 100,000 =	0.8377	THERMS

CHILLED WATER COST/YEAR		$71,100
ENERGY COST / SQ. FT. / YEAR	$1.55	
WATER COST TOTAL/YEAR		$56,073
WATER / SQ. FT. / YEAR	$0.21	
UTILITY COST/YEAR		$477,485

BUILDING: Palmer Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	139,688	747	$0.067	$9,347	1	0.01	$10.50	$12	0	$4.50	$0	$9,360
August	10	170	100%	114,755	638	$0.067	$7,668	6	0.03	$10.50	$62	0	$4.50	$0	$7,730
September	48	138	100%	131,360	706	$0.068	$8,960	28	0.15	$10.50	$299	0	$4.50	$0	$9,259
October	347	0	100%	110,458	318	$0.068	$7,523	206	0.59	$10.50	$2,160	0	$4.50	$0	$9,683
November	595	0	100%	85,930	144	$0.069	$5,945	353	0.59	$10.50	$3,704	0	$4.50	$0	$9,649
December	740	0	100%	84,715	114	$0.063	$5,329	439	0.59	$10.50	$4,607	0	$4.50	$0	$9,935
1st half yr	1742	493		666,906	298	$0.067	$44,772	1,033	0.46	$10.50	$10,844	0	$4.50	$0	$55,617
January	1182	0	100%	75,494	64	$0.063	$4,768	701	0.59	$10.50	$7,358	0	$4.50	$0	$12,126
February	966	0	100%	78,063	81	$0.064	$4,968	573	0.59	$10.50	$6,014	0	$4.50	$0	$10,981
March	674	0	100%	85,541	127	$0.064	$5,517	400	0.59	$10.50	$4,196	0	$4.50	$0	$9,713
April	548	0	100%	86,173	157	$0.071	$6,113	325	0.59	$10.50	$3,411	0	$4.50	$0	$9,525
May	224	69	100%	83,879	286	$0.072	$6,055	133	0.45	$10.50	$1,394	0	$4.50	$0	$7,449
June	13	190	100%	116,107	572	$0.071	$8,269	8	0.04	$10.50	$81	0	$4.50	$0	$8,350
2nd half yr	3607	259		525,257	136	$0.068	$35,690	2,139	0.55	$10.50	$22,455	0	$4.50	$0	$58,144
TOTAL/YEAR	5349	752		1,192,163	195	$0.067	$80,462	3,173	0.52	$10.50	$33,299	0	$4.50	$14,623	$128,384

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	4,068,851
Steam = M (lbs) X 1,000,000	3,172,503
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	7,241,354

Energy Utilization Index =

Total BTU Consumption/Yr	7,241,353,900	
Gross Area (ft) 2	67,040	
Divided by 100,000 =	1.0802	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.92	
WATER COST TOTAL/YEAR		$12,829
WATER / SQ. FT. / YEAR	$0.19	
UTILITY COST/YEAR		$141,213

BUILDING: Parks Tower
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	107,411	574	$0.067	$7,187	3	0.02	$10.50	$31	59	$5.88	$347	$7,565
August	10	170	100%	182,178	1,012	$0.067	$12,173	15	0.08	$10.50	$154	63	$7.59	$478	$12,806
September	48	138	100%	213,353	1,147	$0.068	$14,553	71	0.38	$10.50	$741	175	$6.74	$1,180	$16,474
October	347	0	100%	220,749	636	$0.068	$15,034	510	1.47	$10.50	$5,356	79	$5.62	$444	$20,834
November	595	0	100%	197,719	332	$0.069	$13,680	875	1.47	$10.50	$9,184	77	$5.72	$440	$23,304
December	740	0	100%	204,132	276	$0.063	$12,840	1,088	1.47	$10.50	$11,422	75	$5.73	$429	$24,691
1st half yr	1742	493		1,125,542	504	$0.067	$75,468	2,562	1.15	$10.50	$26,887	528	$6.29	$3,319	$105,674
January	1182	0	100%	185,361	157	$0.063	$11,706	1,738	1.47	$10.50	$18,244	56	$5.45	$305	$30,255
February	966	0	100%	201,789	209	$0.064	$12,842	1,420	1.47	$10.50	$14,910	119	$5.45	$649	$28,400
March	674	0	100%	219,457	326	$0.064	$14,153	991	1.47	$10.50	$10,403	95	$6.01	$571	$25,128
April	548	0	100%	202,761	370	$0.071	$14,384	806	1.47	$10.50	$8,458	111	$5.78	$642	$23,484
May	224	69	100%	145,287	496	$0.072	$10,488	329	1.12	$10.50	$3,457	59	$5.69	$336	$14,281
June	13	190	100%	159,273	785	$0.071	$11,344	19	0.09	$10.50	$201	12	$4.68	$56	$11,601
2nd half yr	3607	259		1,113,929	288	$0.067	$74,917	5,304	1.37	$10.50	$55,672	452	$5.66	$2,558	$133,147
TOTAL/YEAR	5349	752		2,239,471	367	$0.067	$150,384	7,866	1.29	$10.50	$82,559	980	$6.00	$5,878	$238,821

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	7,643,315
Steam = M (lbs) X 1,000,000	7,865,620
Natural Gas = MCF X 102,500	100,450
Other Fuel	0
TOTAL BTU's x 1,000	15,609,385

Energy Utilization Index =

Total BTU Consumption/Yr	15,609,384,682
Gross Area (ft) 2	166,213
Divided by 100,000 =	0.9391 THERMS

CHILLED WATER COST/YEAR		$43,600
ENERGY COST / SQ. FT. / YEAR	$1.70	
WATER COST TOTAL/YEAR		$87,828
WATER / SQ. FT. / YEAR	$0.53	
UTILITY COST/YEAR		$370,249

BUILDING: Peterson House
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	1,170	6	$0.126	$147	0	0.00	$0.00	$0	0	$4.50	$0	$147
August	10	170	100%	1,480	8	$0.124	$184	1	0.01	$63.82	$57	0	$4.50	$0	$241
September	48	138	100%	100	1	$0.160	$16	1	0.01	$25.92	$34	0	$4.50	$0	$50
October	347	0	100%	2,290	7	$0.120	$274	6	0.02	$10.41	$62	0	$4.50	$0	$336
November	595	0	100%	2,680	5	$0.119	$320	18	0.03	$7.57	$134	0	$4.50	$0	$454
December	740	0	100%	1,080	1	$0.122	$132	25	0.03	$7.08	$177	0	$4.50	$0	$308
1st half yr	1742	493		8,800	4	$0.122	$1,073	51	0.02	$9.13	$465	0	$4.50	$0	$1,537
January	1182	0	100%	2,980	3	$0.122	$363	29	0.02	$6.94	$201	0	$4.50	$0	$564
February	966	0	100%	2,490	3	$0.127	$315	24	0.03	$7.11	$173	0	$4.50	$0	$488
March	674	0	100%	2,490	4	$0.127	$315	18	0.03	$7.61	$135	0	$4.50	$0	$450
April	548	0	100%	3,560	6	$0.127	$453	7	0.01	$10.33	$67	0	$4.50	$0	$520
May	224	69	100%	1,040	4	$0.129	$134	2	0.01	$20.44	$39	0	$4.50	$0	$173
June	13	190	100%	1,100	5	$0.129	$142	0	0.00	$71.85	$29	0	$4.50	$0	$171
2nd half yr	3607	259		13,660	4	$0.126	$1,722	80	0.00	$8.06	$644	0	$4.50	$0	$2,366
TOTAL/YEAR	5349	752		22,460	4	$0.078	$1,757	51	0.01	$9.13	$465	0	$4.50	$0	$2,222

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	76,656
Natural Gas = MCF X 102,500	5,217
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	81,873

Energy Utilization Index =

Total BTU Consumption/Yr	81,873,230	
Gross Area (ft) 2	4,316	
Divided by 100,000 =	0.1897	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.51	
WATER COST TOTAL/YEAR		$397
WATER / SQ. FT. / YEAR	$0.09	
UTILITY COST/YEAR		$2,618

BUILDING: Plant Operations
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	27,572	147	$0.067	$1,845	6	0.03	$47.15	$299	0	$4.50	$0	$2,144
August	10	170	100%	25,505	142	$0.067	$1,704	6	0.03	$53.94	$304	0	$4.50	$0	$2,008
September	48	138	100%	25,024	135	$0.068	$1,707	8	0.04	$40.68	$315	0	$4.50	$0	$2,022
October	347	0	100%	23,468	68	$0.068	$1,598	24	0.07	$17.33	$415	0	$4.50	$0	$2,013
November	595	0	100%	23,096	39	$0.069	$1,598	112	0.19	$8.21	$918	0	$4.50	$0	$2,516
December	740	0	100%	32,021	43	$0.063	$2,014	318	0.43	$6.61	$2,101	0	$4.50	$0	$4,115
1st half yr	1742	493		156,688	70	$0.067	$10,467	473	0.21	$9.19	$4,351	0	$4.50	$0	$14,817
January	1182	0	100%	28,459	24	$0.063	$1,797	532	0.45	$6.02	$3,202	0	$4.50	$0	$4,999
February	966	0	100%	29,722	31	$0.064	$1,892	551	0.57	$6.02	$3,315	0	$4.50	$0	$5,206
March	674	0	100%	28,385	42	$0.064	$1,831	384	0.57	$6.28	$2,412	0	$4.50	$0	$4,243
April	548	0	100%	21,721	40	$0.071	$1,541	272	0.50	$6.93	$1,883	0	$4.50	$0	$3,424
May	224	69	100%	18,358	63	$0.072	$1,325	101	0.34	$8.82	$887	0	$4.50	$0	$2,213
June	13	190	100%	25,187	124	$0.071	$1,794	20	0.10	$20.25	$399	0	$4.50	$0	$2,193
2nd half yr	3607	259		151,832	39	$0.067	$10,179	1,859	0.48	$6.51	$12,098	0	$4.50	$0	$22,277
TOTAL/YEAR	5349	752		308,519	51	$0.067	$20,646	2,332	0.38	$7.05	$16,449	0	$4.50	$0	$37,095

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	1,052,976
Natural Gas = MCF X 102,500	239,029
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,292,005

Energy Utilization Index =

Total BTU Consumption/Yr	1,292,004,911	
Gross Area (ft) 2	30,861	
Divided by 100,000 =	0.4187	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.20	
WATER COST TOTAL/YEAR		$6,573
WATER / SQ. FT. / YEAR	$0.21	
UTILITY COST/YEAR		$43,668

BUILDING: Presidents Hall (The Crossings)
FY YEAR: 2016

DATE : 11/28/16

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)	Cost per McF	TOTAL	
July	2	185	100%	171,475	917	$0.067	$11,474	4	0.02	$10.50	$43	0	$0.00	$0	$11,517
August	10	170	100%	171,885	955	$0.067	$11,485	20	0.11	$10.50	$213	1	$7.59	$8	$11,706
September	48	138	100%	206,056	1,108	$0.068	$14,055	97	0.52	$10.50	$1,021	8	$6.74	$54	$15,130
October	347	0	100%	206,056	594	$0.068	$14,034	703	2.03	$10.50	$7,379	12	$6.00	$72	$21,484
November	595	0	100%	183,061	308	$0.069	$12,666	1,205	2.03	$10.50	$12,652	14	$5.72	$80	$25,398
December	740	0	100%	183,061	247	$0.063	$11,515	1,499	2.03	$10.50	$15,735	9	$5.73	$52	$27,301
1st half yr	1742	493		1,121,593	502	$0.067	$75,229	3,529	1.58	$10.50	$37,042	44	$6.03	$265	$112,536
January	1182	0	100%	127,313	108	$0.063	$8,040	2,395	2.03	$10.50	$25,134	3	$5.45	$16	$33,190
February	966	0	100%	170,711	177	$0.064	$10,864	1,957	2.03	$10.50	$20,541	11	$5.45	$60	$31,465
March	674	0	100%	193,563	287	$0.064	$12,484	1,365	2.03	$10.50	$14,332	8	$6.01	$48	$26,863
April	548	0	100%	165,135	301	$0.071	$11,715	1,110	2.03	$10.50	$11,653	9	$5.78	$52	$23,419
May	224	69	100%	116,428	397	$0.072	$8,405	454	1.55	$10.50	$4,763	7	$5.69	$40	$13,207
June	13	190	100%	168,247	829	$0.071	$11,983	26	0.13	$10.50	$276	0	$0.00	$0	$12,259
2nd half yr	3607	259		941,397	244	$0.067	$63,490	7,307	1.89	$10.50	$76,699	38	$5.69	$216	$140,405
TOTAL/YEAR	5349	752		2,062,990	338	$0.067	$138,718	10,836	1.78	$10.50	$113,741	82	$5.87	$481	$252,941

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	7,040,985
Steam = M (lbs) X 1,000,000	10,836,387
Natural Gas = MCF X 102,500	8,405
Other Fuel	0
TOTAL BTU's x 1,000	17,885,777

Energy Utilization Index =

Total BTU Consumption/Yr	17,885,776,676
Gross Area (ft) 2	228,990
Divided by 100,000 =	0.7811 THERMS

CHILLED WATER COST/YEAR		$60,000
ENERGY COST / SQ. FT. / YEAR	$1.37	
WATER COST TOTAL/YEAR		$38,949
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$351,890

BUILDING: Research and Technology 1
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	140,906	754	$0.067	$9,429	157	0.84	$5.88	$923	0	$4.50	$0	$10,352
August	10	170	100%	165,346	919	$0.067	$11,048	165	0.92	$7.59	$1,253	0	$4.50	$0	$12,301
September	48	138	100%	114,701	617	$0.068	$7,824	139	0.75	$6.74	$937	0	$4.50	$0	$8,761
October	347	0	100%	111,365	321	$0.068	$7,585	161	0.46	$6.00	$967	0	$4.50	$0	$8,551
November	595	0	100%	106,033	178	$0.069	$7,336	166	0.28	$5.72	$949	0	$4.50	$0	$8,285
December	740	0	100%	121,609	164	$0.063	$7,649	233	0.31	$5.73	$1,334	0	$4.50	$0	$8,984
1st half yr	1742	493		759,960	340	$0.067	$50,871	1,021	0.46	$6.23	$6,363	0	$4.50	$0	$57,234
January	1182	0	100%	87,341	74	$0.063	$5,516	341	0.29	$5.45	$1,858	0	$4.50	$0	$7,374
February	966	0	100%	108,320	112	$0.064	$6,893	417	0.43	$5.45	$2,273	0	$4.50	$0	$9,166
March	674	0	100%	106,837	159	$0.064	$6,890	425	0.63	$6.01	$2,556	0	$4.50	$0	$9,446
April	548	0	100%	110,050	201	$0.071	$7,807	370	0.68	$5.78	$2,138	0	$4.50	$0	$9,945
May	224	69	100%	138,076	471	$0.072	$9,967	144	0.49	$5.69	$819	0	$4.50	$0	$10,786
June	13	190	100%	135,641	668	$0.071	$9,661	159	0.78	$4.68	$744	0	$4.50	$0	$10,405
2nd half yr	3607	259		686,265	178	$0.068	$46,734	1,856	0.00	$5.60	$10,389	0	$4.50	$0	$57,123
TOTAL/YEAR	5349	752		1,446,225	237	$0.067	$97,605	1,021	0.17	$6.23	$6,363	0	$4.50	$0	$103,968

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	4,935,966
Natural Gas = MCF X 102,500	104,653
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	5,040,618

Energy Utilization Index =

Total BTU Consumption/Yr	5,040,618,425	
Gross Area (ft) 2	55,209	
Divided by 100,000 =	0.9130	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.88	
WATER COST TOTAL/YEAR		$3,715
WATER / SQ. FT. / YEAR	$0.07	
UTILITY COST/YEAR		$107,684

BUILDING: Ritter
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	17,221	92	$0.067	$1,152	0	0.00	$10.50	$3	0	$4.50	$0	$1,155
August	10	170	100%	14,765	82	$0.067	$987	1	0.01	$10.50	$14	0	$4.50	$0	$1,001
September	48	138	100%	15,487	83	$0.068	$1,056	7	0.03	$10.50	$68	0	$4.50	$0	$1,125
October	347	0	100%	13,106	38	$0.068	$893	47	0.14	$10.50	$494	0	$4.50	$0	$1,386
November	595	0	100%	12,083	20	$0.069	$836	81	0.14	$10.50	$846	0	$4.50	$0	$1,682
December	740	0	100%	14,218	19	$0.063	$894	100	0.14	$10.50	$1,053	0	$4.50	$0	$1,947
1st half yr	1742	493		86,880	39	$0.067	$5,818	236	0.11	$10.50	$2,478	0	$4.50	$0	$8,296
January	1182	0	100%	11,545	10	$0.063	$729	160	0.14	$10.50	$1,681	0	$4.50	$0	$2,410
February	966	0	100%	12,097	13	$0.064	$770	131	0.14	$10.50	$1,374	0	$4.50	$0	$2,144
March	674	0	100%	12,558	19	$0.064	$810	91	0.14	$10.50	$959	0	$4.50	$0	$1,769
April	548	0	100%	11,408	21	$0.071	$809	74	0.14	$10.50	$779	0	$4.50	$0	$1,589
May	224	69	100%	10,402	36	$0.072	$751	30	0.10	$10.50	$319	0	$4.50	$0	$1,070
June	13	190	100%	12,304	61	$0.071	$876	2	0.01	$10.50	$18	0	$4.50	$0	$895
2nd half yr	3607	259		70,314	18	$0.067	$4,745	489	0.13	$10.50	$5,130	0	$4.50	$0	$9,876
TOTAL/YEAR	5349	752		157,194	26	$0.067	$10,564	725	0.12	$10.50	$7,608	0	$4.50	$0	$18,172

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	536,504
Steam = M (lbs) X 1,000,000	724,839
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,261,344

Energy Utilization Index =

Total BTU Consumption/Yr	1,261,343,723	
Gross Area (ft) 2	15,317	
Divided by 100,000 =	0.8235	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.19	
WATER COST TOTAL/YEAR		$499
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$18,671

BUILDING: Rocket Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	78,010	417	$0.067	$5,220	76	0.41	$9.62	$731	0	$4.50	$0	$5,952
August	10	170	100%	72,600	403	$0.067	$4,851	61	0.34	$12.25	$747	0	$4.50	$0	$5,598
September	48	138	100%	83,780	450	$0.068	$5,715	79	0.42	$10.38	$820	0	$4.50	$0	$6,535
October	347	0	100%	83,780	241	$0.068	$5,706	109	0.31	$8.68	$946	0	$4.50	$0	$6,652
November	595	0	100%	84,475	142	$0.069	$5,845	220	0.37	$7.01	$1,541	0	$4.50	$0	$7,386
December	740	0	100%	84,475	114	$0.063	$5,314	384	0.52	$6.50	$2,497	0	$4.50	$0	$7,810
1st half yr	1742	493		487,120	218	$0.067	$32,650	929	0.42	$7.84	$7,283	0	$4.50	$0	$39,933
January	1182	0	100%	55,520	47	$0.063	$3,506	576	0.49	$5.96	$3,431	0	$4.50	$0	$6,937
February	966	0	100%	79,800	83	$0.064	$5,078	584	0.60	$5.96	$3,483	0	$4.50	$0	$8,562
March	674	0	100%	87,010	129	$0.064	$5,612	334	0.50	$6.92	$2,313	0	$4.50	$0	$7,924
April	548	0	100%	72,020	131	$0.071	$5,109	267	0.49	$6.91	$1,846	0	$4.50	$0	$6,955
May	224	69	100%	68,000	232	$0.072	$4,909	152	0.52	$7.66	$1,165	0	$4.50	$0	$6,073
June	13	190	100%	72,000	355	$0.071	$5,128	108	0.53	$7.47	$807	0	$4.50	$0	$5,935
2nd half yr	3607	259		434,350	112	$0.068	$29,342	2,021	0.52	$6.45	$13,044	0	$4.50	$0	$42,386
TOTAL/YEAR	5349	752		921,470	151	$0.067	$61,992	2,950	0.48	$6.89	$20,328	0	$4.50	$0	$82,320

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	3,144,977
Natural Gas = MCF X 102,500	302,375
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	3,447,352

Energy Utilization Index =

Total BTU Consumption/Yr	3,447,352,110	
Gross Area (ft) 2	109,552	
Divided by 100,000 =	0.3147	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.75	
WATER COST TOTAL/YEAR		$16,669
WATER / SQ. FT. / YEAR	$0.15	
UTILITY COST/YEAR		$98,989

BUILDING: Savage Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	255,131	1,364	$0.067	$17,072	4	0.02	$10.50	$37	0	$4.50	$0	$17,109
August	10	170	100%	199,840	1,110	$0.067	$13,353	18	0.10	$10.50	$185	0	$4.50	$0	$13,538
September	48	138	100%	183,560	987	$0.068	$12,521	85	0.46	$10.50	$889	0	$4.50	$0	$13,409
October	347	0	100%	179,664	518	$0.068	$12,236	612	1.76	$10.50	$6,424	0	$4.50	$0	$18,661
November	595	0	100%	182,159	306	$0.069	$12,603	1,050	1.76	$10.50	$11,016	0	$4.50	$0	$23,619
December	740	0	100%	207,522	280	$0.063	$13,053	1,305	1.76	$10.50	$13,701	0	$4.50	$0	$26,754
1st half yr	1742	493		1,207,876	540	$0.067	$80,839	3,073	1.37	$10.50	$32,252	0	$4.50	$0	$113,091
January	1182	0	100%	200,635	170	$0.063	$12,670	2,085	1.76	$10.50	$21,884	0	$4.50	$0	$34,554
February	966	0	100%	233,431	242	$0.064	$14,855	1,704	1.76	$10.50	$17,885	0	$4.50	$0	$32,740
March	674	0	100%	220,356	327	$0.064	$14,211	1,189	1.76	$10.50	$12,479	0	$4.50	$0	$26,690
April	548	0	100%	198,557	362	$0.071	$14,086	967	1.76	$10.50	$10,146	0	$4.50	$0	$24,232
May	224	69	100%	168,041	574	$0.072	$12,130	395	1.35	$10.50	$4,147	0	$4.50	$0	$16,277
June	13	190	100%	185,832	915	$0.071	$13,235	23	0.11	$10.50	$241	0	$4.50	$0	$13,476
2nd half yr	3607	259		1,206,852	312	$0.067	$81,189	6,362	1.65	$10.50	$66,781	0	$4.50	$0	$147,970
TOTAL/YEAR	5349	752		2,414,728	396	$0.067	$162,028	9,435	1.55	$10.50	$99,033	0	$4.50	$0	$261,061

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	9,435,167
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	17,676,633

Energy Utilization Index =

Total BTU Consumption/Yr	17,676,633,271	
Gross Area (ft) 2	199,380	
Divided by 100,000 =	0.8866	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.31	
WATER COST TOTAL/YEAR		$6,952
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$268,013

BUILDING: Scott Tucker Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	68,152	364	$0.067	$4,560	1	0.00	$10.50	$8	0	$4.50	$0	$4,568
August	10	170	100%	59,683	332	$0.067	$3,988	4	0.02	$10.50	$40	0	$4.50	$0	$4,028
September	48	138	100%	59,683	321	$0.068	$4,071	18	0.10	$10.50	$190	0	$4.50	$0	$4,261
October	347	0	100%	64,495	186	$0.068	$4,392	131	0.38	$10.50	$1,376	0	$4.50	$0	$5,769
November	595	0	100%	57,476	97	$0.069	$3,977	225	0.38	$10.50	$2,360	0	$4.50	$0	$6,336
December	740	0	100%	20,000	27	$0.063	$1,258	280	0.38	$10.50	$2,935	0	$4.50	$0	$4,193
1st half yr	1742	493		329,489	147	$0.068	$22,247	658	0.29	$10.50	$6,909	0	$4.50	$0	$29,155
January	1182	0	100%	20,000	17	$0.063	$1,263	447	0.38	$10.50	$4,688	0	$4.50	$0	$5,951
February	966	0	100%	55,894	58	$0.064	$3,557	365	0.38	$10.50	$3,831	0	$4.50	$0	$7,388
March	674	0	100%	63,804	95	$0.064	$4,115	255	0.38	$10.50	$2,673	0	$4.50	$0	$6,788
April	548	0	100%	55,685	102	$0.071	$3,950	207	0.38	$10.50	$2,173	0	$4.50	$0	$6,124
May	224	69	100%	59,989	205	$0.072	$4,330	85	0.29	$10.50	$888	0	$4.50	$0	$5,219
June	13	190	100%	64,677	319	$0.071	$4,606	5	0.02	$10.50	$52	0	$4.50	$0	$4,658
2nd half yr	3607	259		320,049	83	$0.068	$21,822	1,363	0.35	$10.50	$14,305	0	$4.50	$0	$36,128
TOTAL/YEAR	5349	752		649,538	106	$0.068	$44,069	2,021	0.33	$10.50	$21,214	0	$4.50	$0	$65,283

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	2,216,873
Steam = M (lbs) X 1,000,000	2,021,145
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	4,238,019

Energy Utilization Index =

Total BTU Consumption/Yr	4,238,018,574	
Gross Area (ft) 2	42,710	
Divided by 100,000 =	0.9923	THERMS

CHILLED WATER COST/YEAR		$11,200
ENERGY COST / SQ. FT. / YEAR	$1.79	
WATER COST TOTAL/YEAR		$6,192
WATER / SQ. FT. / YEAR	$0.14	
UTILITY COST/YEAR		$82,675

BUILDING: Scuptural Studies
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	5,400	29	$0.130	$703	0	0.00	$0.00	$221	0	$4.50	$0	$924
August	10	170	100%	5,700	32	$0.125	$713	17	0.09	$19.13	$325	0	$4.50	$0	$1,038
September	48	138	100%	5,100	27	$0.126	$645	4	0.02	$62.75	$251	0	$4.50	$0	$896
October	347	0	100%	7,900	23	$0.140	$1,105	17	0.05	$19.70	$335	0	$4.50	$0	$1,440
November	595	0	100%	8,500	14	$0.128	$1,084	224	0.38	$6.79	$1,520	0	$4.50	$0	$2,604
December	740	0	100%	11,800	16	$0.125	$1,476	430	0.58	$6.32	$2,716	0	$4.50	$0	$4,192
1st half yr	1742	493		44,400	20	$0.129	$5,726	692	0.31	$7.76	$5,368	0	$4.50	$0	$11,095
January	1182	0	100%	10,200	9	$0.138	$1,404	418	0.35	$6.14	$2,567	0	$4.50	$0	$3,971
February	966	0	100%	7,500	8	$0.125	$939	521	0.54	$6.01	$3,133	0	$4.50	$0	$4,072
March	674	0	100%	11,000	16	$0.132	$1,456	381	0.57	$6.78	$2,585	0	$4.50	$0	$4,041
April	548	0	100%	9,800	18	$0.141	$1,382	364	0.66	$6.57	$2,393	0	$4.50	$0	$3,775
May	224	69	100%	10,800	37	$0.131	$1,419	158	0.54	$7.53	$1,189	0	$4.50	$0	$2,608
June	13	190	100%	6,800	33	$0.108	$737	51	0.25	$10.27	$524	0	$4.50	$0	$1,261
2nd half yr	3607	259		56,100	15	$0.131	$7,337	1,893	0.49	$6.55	$12,391	0	$4.50	$0	$19,728
TOTAL/YEAR	5349	752		100,500	16	$0.136	$13,640	2,585	0.42	$6.87	$17,759	0	$4.50	$0	$31,399

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	343,007
Natural Gas = MCF X 102,500	264,963
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	607,969

Energy Utilization Index =

Total BTU Consumption/Yr	607,969,000	
Gross Area (ft) 2	7,502	
Divided by 100,000 =	0.8104	THERMS

ENERGY COST / SQ. FT. / YEAR	$4.19	
WATER COST TOTAL/YEAR		$9,276
WATER / SQ. FT. / YEAR	$1.24	
UTILITY COST/YEAR		$40,675

BUILDING: Snyder Memorial
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	566	3	$0.067	$38	1	0.00	$10.50	$9	0	$4.50	$0	$47
August	10	170	100%	37,819	210	$0.067	$2,527	4	0.02	$10.50	$45	0	$4.50	$0	$2,572
September	48	138	100%	42,183	227	$0.068	$2,877	20	0.11	$10.50	$214	0	$4.50	$0	$3,091
October	347	0	100%	38,438	111	$0.068	$2,618	147	0.42	$10.50	$1,545	0	$4.50	$0	$4,163
November	595	0	100%	35,274	59	$0.069	$2,441	252	0.42	$10.50	$2,649	0	$4.50	$0	$5,090
December	740	0	100%	38,640	52	$0.063	$2,430	314	0.42	$10.50	$3,295	0	$4.50	$0	$5,725
1st half yr	1742	493		192,920	86	$0.067	$12,931	739	0.33	$10.50	$7,756	0	$4.50	$0	$20,687
January	1182	0	100%	31,621	27	$0.063	$1,997	501	0.42	$10.50	$5,263	0	$4.50	$0	$7,260
February	966	0	100%	34,468	36	$0.064	$2,194	410	0.42	$10.50	$4,301	0	$4.50	$0	$6,494
March	674	0	100%	39,550	59	$0.064	$2,551	286	0.42	$10.50	$3,001	0	$4.50	$0	$5,552
April	548	0	100%	33,641	61	$0.071	$2,387	232	0.42	$10.50	$2,440	0	$4.50	$0	$4,826
May	224	69	100%	44,000	150	$0.072	$3,176	95	0.32	$10.50	$997	0	$4.50	$0	$4,174
June	13	190	100%	44,000	217	$0.071	$3,134	6	0.03	$10.50	$58	0	$4.50	$0	$3,192
2nd half yr	3607	259		227,280	59	$0.068	$15,438	1,530	0.40	$10.50	$16,060	0	$4.50	$0	$31,497
TOTAL/YEAR	5349	752		420,200	69	$0.068	$28,369	2,269	0.37	$10.50	$23,816	0	$4.50	$0	$52,184

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	1,434,143
Steam = M (lbs) X 1,000,000	2,268,973
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	3,703,116

Energy Utilization Index =

Total BTU Consumption/Yr	3,703,116,084	
Gross Area (ft) 2	47,947	
Divided by 100,000 =	0.7723	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.09	
WATER COST TOTAL/YEAR		$1,562
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$53,746

BUILDING: Stranahan Arboretum
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	404	2	$0.168	$68	0	0.00	$0.00	$0	0	$4.50	$0	$68
August	10	170	100%	443	2	$0.163	$72	6	0.03	$10.46	$62	0	$4.50	$0	$134
September	48	138	100%	431	2	$0.153	$66	12	0.06	$10.50	$125	0	$4.50	$0	$191
October	347	0	100%	317	1	$0.183	$58	15	0.04	$7.74	$119	0	$4.50	$0	$177
November	595	0	100%	380	1	$0.166	$63	28	0.05	$7.04	$196	0	$4.50	$0	$259
December	740	0	100%	815	1	$0.120	$98	39	0.05	$6.70	$263	0	$4.50	$0	$361
1st half yr	1742	493		2,790	1	$0.152	$425	100	0.04	$7.63	$765	0	$4.50	$0	$1,190
January	1182	0	100%	1,259	1	$0.118	$149	0	0.00	$0.00	$0	0	$4.50	$0	$149
February	966	0	100%	1,326	1	$0.117	$155	65	0.07	$6.84	$445	0	$4.50	$0	$600
March	674	0	100%	1,170	2	$0.115	$135	26	0.04	$7.14	$189	0	$4.50	$0	$324
April	548	0	100%	976	2	$0.115	$112	15	0.03	$8.00	$120	0	$4.50	$0	$232
May	224	69	100%	579	2	$0.143	$83	5	0.02	$12.32	$55	0	$4.50	$0	$138
June	13	190	100%	304	1	$0.204	$62	0	0.00	$0.00	$0	0	$4.50	$0	$62
2nd half yr	3607	259		5,614	1	$0.124	$696	111	0.03	$7.29	$809	0	$4.50	$0	$1,505
TOTAL/YEAR	5349	752		8,404	1	$1.780	$14,960	211	0.03	$7.45	$1,574	0	$4.50	$0	$16,534

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	28,683
Natural Gas = MCF X 102,500	21,648
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	50,331

Energy Utilization Index =

Total BTU Consumption/Yr	50,330,852	
Gross Area (ft) 2	7,386	
Divided by 100,000 =	0.0681	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.24	
WATER COST TOTAL/YEAR		$469
WATER / SQ. FT. / YEAR	$0.06	
UTILITY COST/YEAR		$17,002

BUILDING: Stranahan Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	118,390	633	$0.067	$7,922	2	0.01	$10.50	$22	0	$4.50	$0	$7,945
August	10	170	100%	104,868	583	$0.067	$7,007	11	0.06	$10.50	$112	0	$4.50	$0	$7,120
September	48	138	100%	115,740	622	$0.068	$7,895	51	0.28	$10.50	$540	0	$4.50	$0	$8,435
October	347	0	100%	125,433	361	$0.068	$8,543	372	1.07	$10.50	$3,903	0	$4.50	$0	$12,446
November	595	0	100%	116,631	196	$0.069	$8,070	638	1.07	$10.50	$6,693	0	$4.50	$0	$14,762
December	740	0	100%	126,201	171	$0.063	$7,938	793	1.07	$10.50	$8,324	0	$4.50	$0	$16,262
1st half yr	1742	493		707,263	316	$0.067	$47,374	1,867	0.84	$10.50	$19,595	0	$4.50	$0	$66,969
January	1182	0	100%	106,537	90	$0.063	$6,728	1,267	1.07	$10.50	$13,296	0	$4.50	$0	$20,024
February	966	0	100%	117,942	122	$0.064	$7,506	1,035	1.07	$10.50	$10,866	0	$4.50	$0	$18,372
March	674	0	100%	136,103	202	$0.064	$8,778	722	1.07	$10.50	$7,582	0	$4.50	$0	$16,359
April	548	0	100%	124,072	226	$0.071	$8,802	587	1.07	$10.50	$6,164	0	$4.50	$0	$14,966
May	224	69	100%	108,714	371	$0.072	$7,848	240	0.82	$10.50	$2,520	0	$4.50	$0	$10,367
June	13	190	100%	123,776	610	$0.071	$8,816	14	0.07	$10.50	$146	0	$4.50	$0	$8,962
2nd half yr	3607	259		717,144	186	$0.068	$48,476	3,866	1.00	$10.50	$40,574	0	$4.50	$0	$89,050
TOTAL/YEAR	5349	752		1,424,407	233	$0.067	$95,851	5,732	0.94	$10.50	$60,168	0	$4.50	$0	$156,019

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	4,861,501
Steam = M (lbs) X 1,000,000	5,732,415
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	10,593,916

Energy Utilization Index =

Total BTU Consumption/Yr	10,593,916,112	
Gross Area (ft) 2	121,135	
Divided by 100,000 =	0.8746	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.29	
WATER COST TOTAL/YEAR		$3,946
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$159,965

BUILDING: Student Rec Center
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	266,527	1,425	$0.067	$17,835	3	0.01	$10.50	$29	1	$5.88	$6	$17,870
August	10	170	100%	200,664	1,115	$0.067	$13,408	14	0.08	$10.50	$146	3	$7.59	$23	$13,577
September	48	138	100%	241,151	1,297	$0.068	$16,449	67	0.36	$10.50	$702	1	$6.74	$7	$17,158
October	347	0	100%	239,938	691	$0.068	$16,341	483	1.39	$10.50	$5,073	1	$6.01	$6	$21,420
November	595	0	100%	209,563	352	$0.069	$14,499	829	1.39	$10.50	$8,699	3	$5.72	$17	$23,216
December	740	0	100%	236,318	319	$0.063	$14,864	1,031	1.39	$10.50	$10,819	149	$5.73	$853	$26,537
1st half yr	1742	493		1,394,162	624	$0.067	$93,397	2,426	1.09	$10.50	$25,469	158	$5.77	$912	$119,778
January	1182	0	100%	208,780	177	$0.063	$13,185	1,646	1.39	$10.50	$17,281	1	$5.45	$5	$30,471
February	966	0	100%	229,121	237	$0.064	$14,581	1,346	1.39	$10.50	$14,123	1	$5.45	$5	$28,710
March	674	0	100%	257,364	382	$0.064	$16,598	939	1.39	$10.50	$9,854	1	$6.02	$6	$26,458
April	548	0	100%	229,782	419	$0.071	$16,301	763	1.39	$10.50	$8,012	3	$5.78	$17	$24,330
May	224	69	100%	233,771	798	$0.072	$16,875	312	1.06	$10.50	$3,275	1	$5.69	$6	$20,156
June	13	190	100%	264,505	1,303	$0.071	$18,839	18	0.09	$10.50	$190	1	$4.68	$5	$19,033
2nd half yr	3607	259		1,423,322	368	$0.068	$96,379	5,024	1.30	$10.50	$52,736	8	$5.58	$45	$149,159
TOTAL/YEAR	5349	752		2,817,484	462	$0.067	$189,776	7,451	1.22	$10.50	$78,204	166	$5.76	$956	$268,937

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	9,616,072
Natural Gas = MCF X 102,500	763,701
Fuel Oil = Gallons X 138,690	460,451
Other Fuel	0
TOTAL BTU's x 1,000	10,840,224

Energy Utilization Index =

Total BTU Consumption/Yr	10,840,224,219
Gross Area (ft) 2	157,446
Divided by 100,000 =	0.6885 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.71	
WATER COST TOTAL/YEAR		$56,267
WATER / SQ. FT. / YEAR	$0.36	
UTILITY COST/YEAR		$325,204

BUILDING: Student Union
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	200,779	1,074	$0.067	$13,435	4	0.00	$10.50	$41	84	$5.88	$494	$13,970
August	10	170	100%	206,066	1,145	$0.067	$13,769	20	0.11	$10.50	$205	72	$7.59	$547	$14,521
September	48	138	100%	260,421	1,400	$0.068	$17,763	94	0.51	$10.50	$986	152	$6.74	$1,025	$19,775
October	347	0	100%	260,421	750	$0.068	$17,736	679	1.96	$10.50	$7,128	210	$6.00	$1,261	$26,125
November	595	0	100%	220,713	371	$0.069	$15,271	1,165	1.96	$10.50	$12,223	239	$5.72	$1,367	$28,860
December	740	0	100%	220,713	298	$0.063	$13,883	1,448	1.96	$10.50	$15,202	253	$5.73	$1,449	$30,533
1st half yr	1742	493		1,369,111	613	$0.067	$91,858	3,409	1.53	$10.50	$35,786	1,010	$6.08	$6,142	$133,785
January	1182	0	100%	158,606	134	$0.063	$10,016	2,313	1.96	$10.50	$24,282	110	$5.45	$599	$34,897
February	966	0	100%	225,746	234	$0.064	$14,366	1,891	1.96	$10.50	$19,844	228	$5.45	$1,243	$35,453
March	674	0	100%	243,087	361	$0.064	$15,677	1,319	1.96	$10.50	$13,846	210	$6.01	$1,263	$30,786
April	548	0	100%	215,786	394	$0.071	$15,308	1,073	1.96	$10.50	$11,257	259	$5.78	$1,497	$28,062
May	224	69	100%	187,353	639	$0.072	$13,524	438	1.50	$10.50	$4,602	196	$5.69	$1,115	$19,241
June	13	190	100%	202,543	998	$0.071	$14,426	25	0.13	$10.50	$267	58	$4.68	$272	$14,964
2nd half yr	3607	259		1,233,121	319	$0.068	$83,318	7,060	1.83	$10.50	$74,098	1,061	$5.64	$5,989	$163,405
TOTAL/YEAR	5349	752		2,602,232	427	$0.067	$175,176	10,469	1.72	$10.50	$109,884	2,071	$5.86	$12,130	$297,190

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	8,881,417
Steam = M (lbs) X 1,000,000	10,468,927
Natural Gas = MCF X 102,500	212,278
Other Fuel	0
TOTAL BTU's x 1,000	19,562,622

Energy Utilization Index =

Total BTU Consumption/Yr	19,562,621,971
Gross Area (ft) 2	221,225
Divided by 100,000 =	0.8843 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.34	
WATER COST TOTAL/YEAR		$81,058
WATER / SQ. FT. / YEAR	$0.37	
UTILITY COST/YEAR		$378,248

BUILDING: Sullivan Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	16,800	90	$0.067	$1,124	0	0.00	$10.50	$2	0	$4.50	$0	$1,127
August	10	170	100%	17,335	96	$0.067	$1,158	1	0.01	$10.50	$12	0	$4.50	$0	$1,171
September	48	138	100%	18,640	100	$0.068	$1,271	6	0.03	$10.50	$60	0	$4.50	$0	$1,331
October	347	0	100%	24,710	71	$0.068	$1,683	41	0.12	$10.50	$432	0	$4.50	$0	$2,115
November	595	0	100%	22,990	39	$0.069	$1,591	71	0.12	$10.50	$740	0	$4.50	$0	$2,331
December	740	0	100%	26,236	35	$0.063	$1,650	88	0.12	$10.50	$921	0	$4.50	$0	$2,571
1st half yr	1742	493		126,711	57	$0.067	$8,478	207	0.09	$10.50	$2,168	0	$4.50	$0	$10,646
January	1182	0	100%	21,032	18	$0.063	$1,328	140	0.12	$10.50	$1,471	0	$4.50	$0	$2,799
February	966	0	100%	(391,679)	(405)	$0.064	($24,926)	115	0.12	$10.50	$1,202	0	$4.50	$0	($23,724)
March	674	0	100%	442,013	656	$0.064	$28,507	80	0.12	$10.50	$839	0	$4.50	$0	$29,346
April	548	0	100%	22,633	41	$0.071	$1,606	65	0.12	$10.50	$682	0	$4.50	$0	$2,288
May	224	69	100%	18,638	64	$0.072	$1,345	27	0.09	$10.50	$279	0	$4.50	$0	$1,624
June	13	190	100%	18,291	90	$0.071	$1,303	2	0.01	$10.50	$16	0	$4.50	$0	$1,319
2nd half yr	3607	259		130,928	34	$0.070	$9,163	428	0.11	$10.50	$4,489	0	$4.50	$0	$13,651
TOTAL/YEAR	5349	752		257,639	42	$0.068	$17,640	634	0.10	$10.50	$6,656	0	$4.50	$0	$24,297

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	879,322
Steam = M (lbs) X 1,000,000	634,169
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,513,491

Energy Utilization Index =

Total BTU Consumption/Yr	1,513,491,170
Gross Area (ft) 2	13,401
Divided by 100,000 =	1.1294 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.81	
WATER COST TOTAL/YEAR		$1,229
WATER / SQ. FT. / YEAR	$0.09	
UTILITY COST/YEAR		$25,526

BUILDING: Transportation Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	28,701	153	$0.067	$1,921	8	0.04	$5.88	$47	0	$4.50	$0	$1,968
August	10	170	100%	25,311	141	$0.067	$1,691	4	0.02	$7.59	$30	0	$4.50	$0	$1,722
September	48	138	100%	25,547	137	$0.068	$1,743	10	0.05	$6.74	$67	0	$4.50	$0	$1,810
October	347	0	100%	21,211	61	$0.068	$1,445	42	0.12	$6.00	$252	0	$4.50	$0	$1,697
November	595	0	100%	19,357	33	$0.069	$1,339	97	0.16	$5.72	$555	0	$4.50	$0	$1,894
December	740	0	100%	21,147	29	$0.063	$1,330	153	0.21	$5.73	$876	0	$4.50	$0	$2,206
1st half yr	1742	493		141,274	63	$0.067	$9,468	314	0.14	$5.82	$1,828	0	$4.50	$0	$11,296
January	1182	0	100%	17,048	14	$0.063	$1,077	181	0.15	$5.45	$986	0	$4.50	$0	$2,063
February	966	0	100%	17,762	18	$0.064	$1,130	183	0.19	$5.45	$997	0	$4.50	$0	$2,128
March	674	0	100%	21,217	31	$0.064	$1,368	166	0.25	$6.01	$998	0	$4.50	$0	$2,367
April	548	0	100%	19,285	35	$0.071	$1,368	156	0.28	$5.78	$902	0	$4.50	$0	$2,270
May	224	69	100%	21,047	72	$0.072	$1,519	82	0.28	$5.32	$436	0	$4.50	$0	$1,956
June	13	190	100%	25,865	127	$0.071	$1,842	45	0.22	$4.68	$211	0	$4.50	$0	$2,053
2nd half yr	3607	259		122,224	32	$0.068	$8,305	813	0.21	$5.57	$4,531	0	$4.50	$0	$12,836
TOTAL/YEAR	5349	752		263,498	43	$0.067	$17,773	1,127	0.18	$5.64	$6,359	0	$4.50	$0	$24,132

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	899,317
Natural Gas = MCF X 102,500	115,518
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,014,835

Energy Utilization Index =

Total BTU Consumption/Yr	1,014,834,809	
Gross Area (ft) 2	19,826	
Divided by 100,000 =	0.5119	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.22	
WATER COST TOTAL/YEAR		$2,452
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$26,583

BUILDING: University Computer Center
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	225,005	1,203	$0.067	$15,056	1	0.00	$10.50	$6	135	$5.88	$794	$15,856
August	10	170	100%	193,654	1,076	$0.067	$12,940	3	0.02	$10.50	$31	182	$7.59	$1,382	$14,352
September	48	138	100%	209,832	1,128	$0.068	$14,313	14	0.08	$10.50	$147	0	$0.00	$0	$14,459
October	347	0	100%	210,597	607	$0.068	$14,343	101	0.29	$10.50	$1,059	0	$0.00	$0	$15,402
November	595	0	100%	188,050	316	$0.069	$13,011	173	0.29	$10.50	$1,816	0	$0.00	$0	$14,827
December	740	0	100%	211,798	286	$0.063	$13,322	215	0.29	$10.50	$2,259	0	$0.00	$0	$15,581
1st half yr	1742	493		1,238,936	554	$0.067	$82,985	507	0.23	$10.50	$5,317	317	$6.86	$2,175	$90,478
January	1182	0	100%	171,222	145	$0.063	$10,813	344	0.29	$10.50	$3,608	19	$5.45	$104	$14,524
February	966	0	100%	175,789	182	$0.064	$11,187	281	0.29	$10.50	$2,949	160	$5.45	$872	$15,008
March	674	0	100%	192,461	286	$0.064	$12,412	196	0.29	$10.50	$2,057	168	$6.01	$1,010	$15,480
April	548	0	100%	157,546	287	$0.071	$11,176	159	0.29	$10.50	$1,673	322	$5.78	$1,861	$14,710
May	224	69	100%	147,511	503	$0.072	$10,648	65	0.22	$10.50	$684	330	$5.69	$1,877	$13,209
June	13	190	100%	172,697	851	$0.071	$12,300	4	0.02	$10.50	$40	394	$4.68	$1,845	$14,184
2nd half yr	3607	259		1,017,226	263	$0.067	$68,537	1,049	0.27	$10.50	$11,010	1,393	$5.43	$7,569	$87,116
TOTAL/YEAR	5349	752		2,256,162	370	$0.067	$151,522	1,556	0.25	$10.50	$16,328	1,710	$5.70	$9,744	$177,594

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	7,700,281
Natural Gas = MCF X 102,500	159,448
Fuel Oil = Gallons X 138,690	4,743,198
Other Fuel	0
TOTAL BTU's x 1,000	12,602,927

Energy Utilization Index =

Total BTU Consumption/Yr	12,602,926,502	
Gross Area (ft) 2	32,872	
Divided by 100,000 =	3.8339	THERMS

ENERGY COST / SQ. FT. / YEAR	$5.40	
WATER COST TOTAL/YEAR		$11,361
WATER / SQ. FT. / YEAR	$0.35	
UTILITY COST/YEAR		$188,955

BUILDING: University Hall
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	356,002	1,904	$0.067	$23,822	5	0.03	$10.50	$54	19	$5.88	$112	$23,988
August	10	170	100%	321,971	1,789	$0.067	$21,514	26	0.14	$10.50	$272	21	$7.59	$159	$21,945
September	48	138	100%	344,742	1,853	$0.068	$23,515	124	0.67	$10.50	$1,304	19	$6.74	$128	$24,948
October	347	0	100%	370,718	1,068	$0.068	$25,248	898	2.59	$10.50	$9,429	40	$6.00	$240	$34,917
November	595	0	100%	294,451	495	$0.069	$20,373	1,540	2.59	$10.50	$16,168	34	$5.72	$194	$36,735
December	740	0	100%	349,734	473	$0.063	$21,998	1,916	2.59	$10.50	$20,109	65	$5.73	$372	$42,479
1st half yr	1742	493		2,037,617	912	$0.067	$136,470	4,510	2.02	$10.50	$47,337	198	$6.09	$1,206	$185,013
January	1182	0	100%	294,739	249	$0.063	$18,613	3,060	2.59	$10.50	$32,119	49	$5.45	$267	$51,000
February	966	0	100%	296,888	307	$0.064	$18,894	2,501	2.59	$10.50	$26,250	49	$5.45	$267	$45,411
March	674	0	100%	345,644	513	$0.064	$22,292	1,745	2.59	$10.50	$18,315	49	$6.01	$295	$40,901
April	548	0	100%	309,248	564	$0.071	$21,938	1,419	2.59	$10.50	$14,891	62	$5.78	$358	$37,188
May	224	69	100%	249,332	851	$0.072	$17,998	580	1.98	$10.50	$6,087	25	$5.69	$142	$24,227
June	13	190	100%	326,142	1,607	$0.071	$23,229	34	0.17	$10.50	$353	28	$4.68	$131	$23,713
2nd half yr	3607	259		1,821,993	471	$0.067	$122,964	9,338	2.42	$10.50	$98,016	262	$5.57	$1,460	$222,440
TOTAL/YEAR	5349	752		3,859,610	633	$0.067	$259,434	13,848	2.27	$10.50	$145,353	460	$5.80	$2,666	$407,453

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	13,172,849
Steam = M (lbs) X 1,000,000	13,848,135
Natural Gas = MCF X 102,500	47,150
Other Fuel	0
TOTAL BTU's x 1,000	27,068,134

Energy Utilization Index =

Total BTU Consumption/Yr	27,068,134,037	
Gross Area (ft) 2	292,633	
Divided by 100,000 =	0.9250	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.39	
WATER COST TOTAL/YEAR		$9,532
WATER / SQ. FT. / YEAR	$0.03	
UTILITY COST/YEAR		$416,985

BUILDING: Westwood Building
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	39,360	210	$0.101	$3,972	93	0.50	$13.74	$1,278	0	$4.50	$0	$5,250
August	10	170	100%	37,520	208	$0.096	$3,620	48	0.27	$22.52	$1,081	0	$4.50	$0	$4,701
September	48	138	100%	480	3	$1.138	$546	71	0.38	$16.98	$1,206	0	$4.50	$0	$1,752
October	347	0	100%	34,700	100	$0.095	$3,307	143	0.41	$11.24	$1,607	0	$4.50	$0	$4,914
November	595	0	100%	35,220	59	$0.105	$3,710	386	0.65	$7.66	$2,955	0	$4.50	$0	$6,665
December	740	0	100%	36,000	49	$0.118	$4,230	1,014	1.37	$6.47	$6,565	0	$4.50	$0	$10,795
1st half yr	1742	493		183,280	82	$0.106	$19,385	1,755	0.79	$8.37	$14,691	0	$4.50	$0	$34,076
January	1182	0	100%	44,340	38	$0.105	$4,652	1,429	1.21	$0.00	$8,610	0	$4.50	$0	$13,262
February	966	0	100%	50,700	52	$0.102	$5,168	1,400	1.45	$6.06	$8,480	0	$4.50	$0	$13,648
March	674	0	100%	47,400	70	$0.102	$4,825	1,033	1.53	$6.84	$7,062	0	$4.50	$0	$11,887
April	548	0	100%	42,960	78	$0.106	$4,568	583	1.06	$7.25	$4,226	0	$4.50	$0	$8,794
May	224	69	100%	38,060	130	$0.108	$4,114	288	0.98	$8.65	$2,491	0	$4.50	$0	$6,605
June	13	190	100%	31,860	157	$0.099	$3,159	54	0.27	$19.89	$1,074	0	$4.50	$0	$4,233
2nd half yr	3607	259		255,320	66	$0.104	$26,486	4,787	1.24	$6.67	$31,943	0	$4.50	$0	$58,429
TOTAL/YEAR	5349	752		438,600	72	$0.105	$45,871	6,542	1.07	$7.13	$46,635	0	$4.50	$0	$92,506

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	1,496,942
Natural Gas = MCF X 102,500	670,555
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	2,167,497

Energy Utilization Index =

Total BTU Consumption/Yr	2,167,496,800	
Gross Area (ft) 2	271,332	
Divided by 100,000 =	0.0799	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.34	
WATER COST TOTAL/YEAR		$3,074
WATER / SQ. FT. / YEAR	$0.01	
UTILITY COST/YEAR		$95,579

BUILDING: Wolfe Hall
FY YEAR: 2016

DATE : 11/28/16

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	1000 cubic feet (Mcf)	Cost per McF	TOTAL	
July	2	185	100%	464,391	2,483	$0.067	$31,075	3	0.02	$10.50	$35	0	$0.00	$0	$31,110
August	10	170	100%	406,053	2,256	$0.067	$27,132	17	0.09	$10.50	$175	2	$30.87	$65	$27,372
September	48	138	100%	442,526	2,379	$0.068	$30,185	80	0.43	$10.50	$840	1	$38.31	$31	$31,056
October	347	0	100%	447,427	1,289	$0.068	$30,472	579	1.67	$10.50	$6,074	0	$91.93	$28	$36,574
November	595	0	100%	433,747	729	$0.069	$30,010	992	1.67	$10.50	$10,415	1	$60.68	$30	$40,456
December	740	0	100%	522,362	706	$0.063	$32,857	1,234	1.67	$10.50	$12,953	0	$70.43	$28	$45,838
1st half yr	1742	493		2,716,505	1,215	$0.067	$181,732	2,905	1.30	$10.50	$30,492	4	$44.29	$182	$212,406
January	1182	0	100%	404,814	342	$0.063	$25,565	1,971	1.67	$10.50	$20,690	1	$38.25	$31	$46,285
February	966	0	100%	453,054	469	$0.064	$28,832	1,611	1.67	$10.50	$16,909	1	$57.56	$29	$45,770
March	674	0	100%	535,923	795	$0.064	$34,563	1,124	1.67	$10.50	$11,798	1	$49.07	$29	$46,391
April	548	0	100%	470,371	858	$0.071	$33,368	914	1.67	$10.50	$9,592	1	$50.75	$30	$42,991
May	224	69	100%	442,241	1,509	$0.072	$31,924	374	1.27	$10.50	$3,921	1	$39.81	$32	$35,877
June	13	190	100%	500,294	2,465	$0.071	$35,632	22	0.11	$10.50	$228	1	$34.71	$31	$35,891
2nd half yr	3607	259		2,806,697	726	$0.068	$189,884	6,015	1.56	$10.50	$63,137	4	$43.42	$182	$253,204
TOTAL/YEAR	5349	752		5,523,202	905	$0.067	$371,616	8,920	1.46	$10.50	$93,630	8	$43.85	$364	$465,610

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	18,850,689
Steam = M (lbs) X 1,000,000	8,920,345
Natural Gas = MCF X 102,500	851
Other Fuel	0
TOTAL BTU's x 1,000	27,771,885

Energy Utilization Index =

Total BTU Consumption/Yr	27,771,884,971	
Gross Area (ft) 2	188,501	
Divided by 100,000 =	1.4733	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.47	
WATER COST TOTAL/YEAR		$50,770
WATER / SQ. FT. / YEAR	$0.27	
UTILITY COST/YEAR		$516,380

BUILDING: Center for Creative Education
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	92,095	492	$0.067	$6,210	3	0.02	$10.28	$30	0	$4.50	$0	$6,240
August	10	170	100%	87,941	489	$0.066	$5,824	15	0.08	$10.28	$151	0	$4.50	$0	$5,974
September	48	138	100%	80,194	431	$0.068	$5,477	70	0.38	$10.28	$723	0	$4.50	$0	$6,200
October	347	0	100%	99,850	288	$0.067	$6,701	509	1.47	$10.28	$5,228	0	$4.50	$0	$11,928
November	595	0	100%	88,416	149	$0.070	$6,230	872	1.47	$10.28	$8,964	0	$4.50	$0	$15,193
December	740	0	100%	86,316	117	$0.066	$5,694	1,085	1.47	$10.28	$11,148	0	$4.50	$0	$16,842
1st half yr	1742	493		534,809	239	$0.068	$36,135	2,554	1.14	$10.28	$26,243	0	$4.50	$0	$62,378
January	1182	0	100%	94,227	80	$0.065	$6,087	1,733	1.47	$10.28	$17,807	0	$4.50	$0	$23,893
February	966	0	100%	91,590	95	$0.069	$6,311	1,416	1.47	$10.28	$14,553	0	$4.50	$0	$20,863
March	674	0	100%	99,881	148	$0.069	$6,868	988	1.47	$10.28	$10,154	0	$4.50	$0	$17,022
April	548	0	100%	97,841	179	$0.070	$6,814	803	1.47	$10.28	$8,256	0	$4.50	$0	$15,069
May	224	69	100%	102,536	350	$0.067	$6,890	328	1.12	$10.28	$3,375	0	$4.50	$0	$10,265
June	13	190	100%	90,973	448	$0.072	$6,512	19	0.09	$10.28	$196	0	$4.50	$0	$6,708
2nd half yr	3607	259		577,048	149	$0.068	$39,481	5,287	1.37	$10.28	$54,339	0	$4.50	$0	$93,820
TOTAL/YEAR	5349	752		1,111,857	182	$0.068	$75,616	7,841	1.29	$10.28	$80,582	0	$4.50	$0	$156,198

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	3,794,768
Steam = M (lbs) X 1,000,000	7,840,963
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	11,635,731

Energy Utilization Index =

Total BTU Consumption/Yr	11,635,730,652
Gross Area (ft) 2	88,810
Divided by 100,000 =	1.3102 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.76	
WATER COST TOTAL/YEAR		$7,563
WATER / SQ. FT. / YEAR	$0.09	
UTILITY COST/YEAR		$163,761

BUILDING: Collier Allied Health Building
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	81,264	435	$0.067	$5,480	4	0.02	$10.28	$38	0	$4.50	$0	$5,518
August	10	170	100%	88,462	491	$0.066	$5,858	18	0.10	$10.28	$189	0	$4.50	$0	$6,047
September	48	138	100%	72,647	391	$0.068	$4,961	88	0.47	$10.28	$907	0	$4.50	$0	$5,868
October	347	0	100%	104,757	302	$0.067	$7,030	638	1.84	$10.28	$6,555	0	$4.50	$0	$13,585
November	595	0	100%	89,730	151	$0.070	$6,322	1,094	1.84	$10.28	$11,240	0	$4.50	$0	$17,562
December	740	0	100%	81,737	110	$0.066	$5,392	1,360	1.84	$10.28	$13,979	0	$4.50	$0	$19,371
1st half yr	1742	493		518,597	232	$0.068	$35,044	3,202	1.43	$10.28	$32,908	0	$4.50	$0	$67,951
January	1182	0	100%	94,476	80	$0.065	$6,103	2,173	1.84	$10.28	$22,329	0	$4.50	$0	$28,432
February	966	0	100%	87,994	91	$0.069	$6,063	1,776	1.84	$10.28	$18,248	0	$4.50	$0	$24,311
March	674	0	100%	96,799	144	$0.069	$6,656	1,239	1.84	$10.28	$12,732	0	$4.50	$0	$19,388
April	548	0	100%	87,597	160	$0.070	$6,100	1,007	1.84	$10.28	$10,352	0	$4.50	$0	$16,452
May	224	69	100%	89,504	305	$0.067	$6,014	412	1.41	$10.28	$4,232	0	$4.50	$0	$10,246
June	13	190	100%	82,241	405	$0.072	$5,887	24	0.12	$10.28	$246	0	$4.50	$0	$6,132
2nd half yr	3607	259		538,611	139	$0.068	$36,823	6,630	1.71	$10.28	$68,139	0	$4.50	$0	$104,962
TOTAL/YEAR	5349	752		1,057,208	173	$0.068	$71,867	9,832	1.61	$10.28	$101,046	0	$4.50	$0	$172,913

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	3,608,251
Steam = M (lbs) X 1,000,000	9,832,149
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	13,440,400

Energy Utilization Index =

Total BTU Consumption/Yr	13,440,399,652	
Gross Area (ft) 2	111,363	
Divided by 100,000 =	1.2069	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.55	
WATER COST TOTAL/YEAR		$8,757
WATER / SQ. FT. / YEAR	$0.08	
UTILITY COST/YEAR		$181,670

BUILDING: Dana Cancer Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	109,973	588	$0.067	$7,416	1	0.01	$10.28	$15	0	$4.50	$0	$7,431
August	10	170	100%	105,915	588	$0.066	$7,014	7	0.04	$10.28	$75	0	$4.50	$0	$7,089
September	48	138	100%	84,344	453	$0.068	$5,760	35	0.19	$10.28	$358	0	$4.50	$0	$6,118
October	347	0	100%	122,794	354	$0.067	$8,240	252	0.73	$10.28	$2,588	0	$4.50	$0	$10,829
November	595	0	100%	103,689	174	$0.070	$7,306	432	0.73	$10.28	$4,438	0	$4.50	$0	$11,744
December	740	0	100%	99,123	134	$0.066	$6,539	537	0.73	$10.28	$5,520	0	$4.50	$0	$12,059
1st half yr	1742	493		625,838	280	$0.068	$42,275	1,264	0.57	$10.28	$12,995	0	$4.50	$0	$55,270
January	1182	0	100%	120,765	102	$0.065	$7,801	858	0.73	$10.28	$8,817	0	$4.50	$0	$16,618
February	966	0	100%	107,317	111	$0.069	$7,394	701	0.73	$10.28	$7,206	0	$4.50	$0	$14,600
March	674	0	100%	112,018	166	$0.069	$7,702	489	0.73	$10.28	$5,028	0	$4.50	$0	$12,730
April	548	0	100%	101,255	185	$0.070	$7,051	398	0.73	$10.28	$4,088	0	$4.50	$0	$11,139
May	224	69	100%	106,753	364	$0.067	$7,173	163	0.55	$10.28	$1,671	0	$4.50	$0	$8,844
June	13	190	100%	98,317	484	$0.072	$7,038	9	0.05	$10.28	$97	0	$4.50	$0	$7,134
2nd half yr	3607	259		646,425	167	$0.068	$44,160	2,618	0.68	$10.28	$26,907	0	$4.50	$0	$71,067
TOTAL/YEAR	5349	752		1,272,263	209	$0.068	$86,435	3,883	0.64	$10.28	$39,901	0	$4.50	$0	$126,336

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	4,342,234
Steam = M (lbs) X 1,000,000	3,882,517
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	8,224,751

Energy Utilization Index =

Total BTU Consumption/Yr	8,224,750,624	
Gross Area (ft) 2	43,975	
Divided by 100,000 =	1.8703	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.87	
WATER COST TOTAL/YEAR		$6,075
WATER / SQ. FT. / YEAR	$0.14	
UTILITY COST/YEAR		$132,411

BUILDING: Dowling Hall and Morse Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	638,383	3,414	$0.067	$43,049	8	0.04	$10.28	$84	0	$4.50	$0	$43,133
August	10	170	100%	611,969	3,400	$0.066	$40,527	41	0.23	$10.28	$420	0	$4.50	$0	$40,947
September	48	138	100%	478,645	2,573	$0.068	$32,689	196	1.05	$10.28	$2,016	0	$4.50	$0	$34,705
October	347	0	100%	592,627	1,708	$0.067	$39,770	1,418	4.09	$10.28	$14,575	0	$4.50	$0	$54,345
November	595	0	100%	413,912	696	$0.070	$29,164	2,432	4.09	$10.28	$24,992	0	$4.50	$0	$54,156
December	740	0	100%	412,671	558	$0.066	$27,222	3,024	4.09	$10.28	$31,083	0	$4.50	$0	$58,304
1st half yr	1742	493		3,148,207	1,409	$0.068	$212,420	7,120	3.19	$10.28	$73,170	0	$4.50	$0	$285,590
January	1182	0	100%	462,756	392	$0.065	$29,892	4,831	4.09	$10.28	$49,648	0	$4.50	$0	$79,540
February	966	0	100%	424,782	440	$0.069	$29,268	3,948	4.09	$10.28	$40,575	0	$4.50	$0	$69,843
March	674	0	100%	497,458	738	$0.069	$34,205	2,755	4.09	$10.28	$28,310	0	$4.50	$0	$62,516
April	548	0	100%	443,908	810	$0.070	$30,914	2,240	4.09	$10.28	$23,018	0	$4.50	$0	$53,932
May	224	69	100%	532,594	1,818	$0.067	$35,789	916	3.12	$10.28	$9,409	0	$4.50	$0	$45,197
June	13	190	100%	552,810	2,723	$0.072	$39,570	53	0.26	$10.28	$546	0	$4.50	$0	$40,116
2nd half yr	3607	259		2,914,308	754	$0.068	$199,638	14,742	3.81	$10.28	$151,506	0	$4.50	$0	$351,145
TOTAL/YEAR	5349	752		6,062,515	994	$0.068	$412,058	21,862	3.58	$10.28	$224,676	0	$4.50	$0	$636,735

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	20,691,364
Steam = M (lbs) X 1,000,000	21,861,815
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	42,553,179

Energy Utilization Index =

Total BTU Consumption/Yr	42,553,179,060
Gross Area (ft) 2	247,616
Divided by 100,000 =	1.7185 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.57	
WATER COST TOTAL/YEAR		$35,133
WATER / SQ. FT. / YEAR	$0.14	
UTILITY COST/YEAR		$671,868

BUILDING: Facilities Support
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	27,489	147	$0.067	$1,854	1	0.00	$10.28	$9	0	$4.50	$0	$1,863
August	10	170	100%	25,662	143	$0.066	$1,699	4	0.02	$10.28	$46	0	$4.50	$0	$1,745
September	48	138	100%	20,713	111	$0.068	$1,415	21	0.11	$10.28	$219	0	$4.50	$0	$1,634
October	347	0	100%	23,789	69	$0.067	$1,596	154	0.44	$10.28	$1,585	0	$4.50	$0	$3,182
November	595	0	100%	18,340	31	$0.070	$1,292	264	0.44	$10.28	$2,718	0	$4.50	$0	$4,010
December	740	0	100%	17,542	24	$0.066	$1,157	329	0.44	$10.28	$3,381	0	$4.50	$0	$4,538
1st half yr	1742	493		133,535	60	$0.068	$9,014	774	0.35	$10.28	$7,958	0	$4.50	$0	$16,972
January	1182	0	100%	19,884	17	$0.065	$1,284	525	0.44	$10.28	$5,400	0	$4.50	$0	$6,684
February	966	0	100%	22,656	23	$0.069	$1,561	429	0.44	$10.28	$4,413	0	$4.50	$0	$5,974
March	674	0	100%	13,545	20	$0.069	$931	300	0.44	$10.28	$3,079	0	$4.50	$0	$4,011
April	548	0	100%	18,728	34	$0.070	$1,304	244	0.44	$10.28	$2,504	0	$4.50	$0	$3,808
May	224	69	100%	21,866	75	$0.067	$1,469	100	0.34	$10.28	$1,023	0	$4.50	$0	$2,493
June	13	190	100%	25,233	124	$0.072	$1,806	6	0.03	$10.28	$59	0	$4.50	$0	$1,866
2nd half yr	3607	259		121,912	32	$0.068	$8,357	1,603	0.41	$10.28	$16,479	0	$4.50	$0	$24,835
TOTAL/YEAR	5349	752		255,447	42	$0.068	$17,370	2,378	0.39	$10.28	$24,437	0	$4.50	$0	$41,807

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	871,841
Steam = M (lbs) X 1,000,000	2,377,804
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	3,249,645

Energy Utilization Index =

Total BTU Consumption/Yr	3,249,644,999
Gross Area (ft) 2	26,932
Divided by 100,000 =	1.2066 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.55	
WATER COST TOTAL/YEAR		$2,924
WATER / SQ. FT. / YEAR	$0.11	
UTILITY COST/YEAR		$44,731

BUILDING: Glendale Medical Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	44,294	237	$0.067	$2,987	20	0.11	$10.62	$212	0	$4.50	$0	$3,199
August	10	170	100%	47,097	262	$0.066	$3,119	17	0.09	$10.89	$185	0	$4.50	$0	$3,304
September	48	138	100%	43,845	236	$0.068	$2,994	17	0.09	$9.91	$168	0	$4.50	$0	$3,163
October	347	0	100%	34,832	100	$0.067	$2,337	16	0.05	$8.94	$143	0	$4.50	$0	$2,480
November	595	0	100%	34,753	58	$0.070	$2,449	28	0.05	$7.74	$217	0	$4.50	$0	$2,665
December	740	0	100%	30,913	42	$0.066	$2,039	77	0.10	$6.78	$522	0	$4.50	$0	$2,561
1st half yr	1742	493		235,734	105	$0.068	$15,926	175	0.08	$8.27	$1,447	0	$4.50	$0	$17,373
January	1182	0	100%	31,991	27	$0.065	$2,067	108	0.09	$6.24	$674	0	$4.50	$0	$2,740
February	966	0	100%	31,490	33	$0.069	$2,170	126	0.13	$6.10	$769	0	$4.50	$0	$2,939
March	674	0	100%	35,203	52	$0.069	$2,421	116	0.17	$6.71	$778	0	$4.50	$0	$3,199
April	548	0	100%	33,514	61	$0.070	$2,334	84	0.15	$6.66	$560	0	$4.50	$0	$2,894
May	224	69	100%	39,661	135	$0.067	$2,665	59	0.20	$6.74	$398	0	$4.50	$0	$3,063
June	13	190	100%	44,216	218	$0.072	$3,165	32	0.16	$6.41	$205	0	$4.50	$0	$3,370
2nd half yr	3607	259		216,075	56	$0.068	$14,821	525	0.14	$6.45	$3,384	0	$4.50	$0	$18,205
TOTAL/YEAR	5349	752		451,809	74	$0.068	$30,746	700	0.11	$6.90	$4,831	0	$4.50	$0	$35,578

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	1,542,024
Natural Gas = MCF X 102,500	71,750
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,613,774

Energy Utilization Index =

Total BTU Consumption/Yr	1,613,774,117	
Gross Area (ft) 2	40,516	
Divided by 100,000 =	0.3983	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.9	
WATER COST TOTAL/YEAR		$8,992
WATER / SQ. FT. / YEAR	$0.22	
UTILITY COST/YEAR		$44,570

BUILDING: Glendale Medical East (VA)
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	48,709	260	$0.067	$3,285	23	0.12	$10.62	$244	0	$4.50	$0	$3,529
August	10	170	100%	50,984	283	$0.066	$3,376	46	0.26	$10.89	$501	0	$4.50	$0	$3,877
September	48	138	100%	45,395	244	$0.068	$3,100	49	0.26	$9.91	$485	0	$4.50	$0	$3,586
October	347	0	100%	23,574	68	$0.067	$1,582	56	0.16	$8.94	$501	0	$4.50	$0	$2,083
November	595	0	100%	18,662	31	$0.070	$1,315	81	0.14	$7.74	$627	0	$4.50	$0	$1,942
December	740	0	100%	18,662	25	$0.066	$1,231	139	0.19	$6.78	$942	0	$4.50	$0	$2,173
1st half yr	1742	493		205,986	92	$0.068	$13,889	394	0.18	$8.38	$3,300	0	$4.50	$0	$17,189
January	1182	0	100%	23,523	20	$0.065	$1,520	208	0.18	$6.24	$1,298	0	$4.50	$0	$2,817
February	966	0	100%	21,740	23	$0.069	$1,498	262	0.27	$6.10	$1,599	0	$4.50	$0	$3,097
March	674	0	100%	24,520	36	$0.069	$1,686	244	0.36	$6.71	$1,637	0	$4.50	$0	$3,323
April	548	0	100%	23,271	42	$0.070	$1,621	198	0.36	$6.66	$1,320	0	$4.50	$0	$2,940
May	224	69	100%	28,626	98	$0.067	$1,924	167	0.57	$6.74	$1,126	0	$4.50	$0	$3,049
June	13	190	100%	29,856	147	$0.072	$2,137	109	0.54	$6.41	$699	0	$4.50	$0	$2,836
2nd half yr	3607	259		151,536	39	$0.068	$10,385	1,188	0.31	$6.46	$7,678	0	$4.50	$0	$18,063
TOTAL/YEAR	5349	752		357,522	59	$0.068	$24,274	1,582	0.26	$6.94	$10,978	0	$4.50	$0	$35,252

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	1,220,223
Natural Gas = MCF X 102,500	162,155
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,382,378

Energy Utilization Index =

Total BTU Consumption/Yr	1,382,377,586	
Gross Area (ft) 2	40,447	
Divided by 100,000 =	0.3418	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.87	
WATER COST TOTAL/YEAR		$5,077
WATER / SQ. FT. / YEAR	$0.13	
UTILITY COST/YEAR		$40,329

BUILDING: Health Education Building
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	2,336,400	12,494	$0.067	$157,553	8	0.04	$10.28	$86	0	$4.50	$0	$157,640
August	10	170	100%	2,297,923	12,766	$0.066	$152,178	42	0.23	$10.28	$432	0	$4.50	$0	$152,610
September	48	138	100%	1,806,782	9,714	$0.068	$123,394	202	1.09	$10.28	$2,075	0	$4.50	$0	$125,469
October	347	0	100%	1,865,595	5,376	$0.067	$125,195	1,460	4.21	$10.28	$15,002	0	$4.50	$0	$140,198
November	595	0	100%	1,267,746	2,131	$0.070	$89,324	2,503	4.21	$10.28	$25,725	0	$4.50	$0	$115,049
December	740	0	100%	1,089,489	1,472	$0.066	$71,868	3,113	4.21	$10.28	$31,994	0	$4.50	$0	$103,862
1st half yr	1742	493		10,663,935	4,771	$0.068	$719,512	7,328	3.28	$10.28	$75,315	0	$4.50	$0	$794,827
January	1182	0	100%	1,206,314	1,021	$0.065	$77,924	4,973	4.21	$10.28	$51,104	0	$4.50	$0	$129,027
February	966	0	100%	1,105,102	1,144	$0.069	$76,142	4,064	4.21	$10.28	$41,765	0	$4.50	$0	$117,907
March	674	0	100%	1,283,050	1,904	$0.069	$88,223	2,835	4.21	$10.28	$29,140	0	$4.50	$0	$117,363
April	548	0	100%	1,285,282	2,345	$0.070	$89,508	2,305	4.21	$10.28	$23,693	0	$4.50	$0	$113,200
May	224	69	100%	1,706,788	5,825	$0.067	$114,691	942	3.22	$10.28	$9,685	0	$4.50	$0	$124,375
June	13	190	100%	1,718,001	8,463	$0.072	$122,974	55	0.27	$10.28	$562	0	$4.50	$0	$123,536
2nd half yr	3607	259		8,304,537	2,148	$0.068	$569,462	15,174	3.93	$10.28	$155,948	0	$4.50	$0	$725,409
TOTAL/YEAR	5349	752		18,968,472	3,109	$0.068	$1,288,974	22,503	3.69	$10.28	$231,263	0	$4.50	$0	$1,520,237

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	64,739,395
Steam = M (lbs) X 1,000,000	22,502,707
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	87,242,102

Energy Utilization Index =

Total BTU Consumption/Yr	87,242,101,511
Gross Area (ft) 2	254,875
Divided by 100,000 =	3.4229 THERMS

ENERGY COST / SQ. FT. / YEAR	$5.96	
WATER COST TOTAL/YEAR		$126,790
WATER / SQ. FT. / YEAR	$0.50	
UTILITY COST/YEAR		$1,647,027

BUILDING: Health Science Bldg. (Block)
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	357,886	1,914	$0.067	$24,134	6	0.03	$10.28	$57	0	$4.50	$0	$24,191
August	10	170	100%	367,153	2,040	$0.066	$24,314	28	0.15	$10.28	$286	0	$4.50	$0	$24,601
September	48	138	100%	361,042	1,941	$0.068	$24,657	134	0.72	$10.28	$1,374	0	$4.50	$0	$26,031
October	347	0	100%	502,336	1,448	$0.067	$33,710	967	2.79	$10.28	$9,934	0	$4.50	$0	$43,644
November	595	0	100%	441,391	742	$0.070	$31,100	1,657	2.79	$10.28	$17,033	0	$4.50	$0	$48,133
December	740	0	100%	444,723	601	$0.066	$29,336	2,061	2.79	$10.28	$21,184	0	$4.50	$0	$50,520
1st half yr	1742	493		2,474,531	1,107	$0.068	$167,252	4,852	2.17	$10.28	$49,869	0	$4.50	$0	$217,121
January	1182	0	100%	379,904	321	$0.065	$24,540	3,293	2.79	$10.28	$33,838	0	$4.50	$0	$58,378
February	966	0	100%	326,905	338	$0.069	$22,524	2,691	2.79	$10.28	$27,654	0	$4.50	$0	$50,178
March	674	0	100%	429,631	637	$0.069	$29,542	1,877	2.79	$10.28	$19,295	0	$4.50	$0	$48,837
April	548	0	100%	319,700	583	$0.070	$22,264	1,526	2.79	$10.28	$15,688	0	$4.50	$0	$37,952
May	224	69	100%	424,655	1,449	$0.067	$28,535	624	2.13	$10.28	$6,413	0	$4.50	$0	$34,948
June	13	190	100%	551,757	2,718	$0.072	$39,495	36	0.18	$10.28	$372	0	$4.50	$0	$39,867
2nd half yr	3607	259		2,432,552	629	$0.068	$166,900	10,048	2.60	$10.28	$103,260	0	$4.50	$0	$270,160
TOTAL/YEAR	5349	752		4,907,083	804	$0.068	$334,152	14,900	2.44	$10.28	$153,129	0	$4.50	$0	$487,281

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	16,747,874
Steam = M (lbs) X 1,000,000	14,900,036
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	31,647,911

Energy Utilization Index =

Total BTU Consumption/Yr	31,647,910,659	
Gross Area (ft) 2	168,764	
Divided by 100,000 =	1.8753	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.89	
WATER COST TOTAL/YEAR		$126,790
WATER / SQ. FT. / YEAR	$0.75	
UTILITY COST/YEAR		$614,072

BUILDING: Heatherdowns Educare Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	18,636	100	$0.067	$972	576	3.08	$6.10	$3,513	0	$4.50	$0	$4,485
August	10	170	100%	19,416	108	$0.066	$1,831	540	3.00	$7.87	$4,249	0	$4.50	$0	$6,080
September	48	138	100%	18,242	98	$0.068	$1,608	515	2.77	$7.05	$3,629	0	$4.50	$0	$5,236
October	347	0	100%	12,332	36	$0.067	$1,892	428	1.23	$6.43	$2,750	0	$4.50	$0	$4,643
November	595	0	100%	13,660	23	$0.070	$1,140	144	0.24	$7.40	$1,065	0	$4.50	$0	$2,205
December	740	0	100%	13,451	18	$0.066	$1,148	276	0.37	$6.63	$1,831	0	$4.50	$0	$2,979
1st half yr	1742	493		95,737	43	$0.068	$8,591	2,479	1.11	$6.87	$17,037	0	$4.50	$0	$25,629
January	1182	0	100%	14,607	12	$0.065	$1,214	403	0.34	$6.10	$2,460	0	$4.50	$0	$3,674
February	966	0	100%	13,880	14	$0.069	$1,220	359	0.37	$6.21	$2,228	0	$4.50	$0	$3,448
March	674	0	100%	14,974	22	$0.069	$1,421	339	0.50	$6.81	$2,308	0	$4.50	$0	$3,728
April	548	0	100%	13,277	24	$0.070	$1,216	226	0.41	$6.97	$1,576	0	$4.50	$0	$2,792
May	224	69	100%	16,390	56	$0.067	$2,834	134	0.46	$7.69	$1,030	0	$4.50	$0	$3,865
June	13	190	100%	17,543	86	$0.072	$2,008	217	1.07	$5.82	$1,264	0	$4.50	$0	$3,272
2nd half yr	3607	259		90,671	23	$0.068	$9,913	1,678	0.43	$6.48	$10,865	0	$4.50	$0	$20,779
TOTAL/YEAR	5349	752		186,408	31	$0.068	$23,465	4,157	0.68	$6.71	$27,903	0	$4.50	$0	$51,368

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	636,211
Natural Gas = MCF X 102,500	426,093
Fuel Oil = Gallons X 138,700	0
Other Fuel	0
TOTAL BTU's x 1,000	1,062,303

Energy Utilization Index =

Total BTU Consumption/Yr	1,062,303,004	
Gross Area (ft) 2	36,400	
Divided by 100,000 =	0.2918	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.41	
WATER COST TOTAL/YEAR		$4,843
WATER / SQ. FT. / YEAR	$0.13	
UTILITY COST/YEAR		$56,211

BUILDING: Kobacker Hall
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	9,686	52	$0.067	$653	1	0.01	$10.28	$14	0	$4.50	$0	$667
August	10	170	100%	9,893	55	$0.066	$655	7	0.04	$10.28	$70	0	$4.50	$0	$725
September	48	138	100%	7,735	42	$0.068	$528	33	0.18	$10.28	$335	0	$4.50	$0	$863
October	347	0	100%	11,548	33	$0.067	$775	236	0.68	$10.28	$2,422	0	$4.50	$0	$3,197
November	595	0	100%	9,700	16	$0.070	$683	404	0.68	$10.28	$4,152	0	$4.50	$0	$4,836
December	740	0	100%	9,352	13	$0.066	$617	502	0.68	$10.28	$5,164	0	$4.50	$0	$5,781
1st half yr	1742	493		57,914	26	$0.068	$3,912	1,183	0.53	$10.28	$12,157	0	$4.50	$0	$16,069
January	1182	0	100%	10,923	9	$0.065	$706	803	0.68	$10.28	$8,249	0	$4.50	$0	$8,954
February	966	0	100%	9,330	10	$0.069	$643	656	0.68	$10.28	$6,741	0	$4.50	$0	$7,384
March	674	0	100%	9,974	15	$0.069	$686	458	0.68	$10.28	$4,704	0	$4.50	$0	$5,389
April	548	0	100%	8,905	16	$0.070	$620	372	0.68	$10.28	$3,824	0	$4.50	$0	$4,444
May	224	69	100%	9,517	32	$0.067	$640	152	0.52	$10.28	$1,563	0	$4.50	$0	$2,203
June	13	190	100%	7,940	39	$0.072	$568	9	0.04	$10.28	$91	0	$4.50	$0	$659
2nd half yr	3607	259		56,589	15	$0.068	$3,862	2,449	0.63	$10.28	$25,172	0	$4.50	$0	$29,034
TOTAL/YEAR	5349	752		114,503	19	$0.068	$7,774	3,632	0.60	$10.28	$37,329	0	$4.50	$0	$45,103

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	390,799
Steam = M (lbs) X 1,000,000	3,632,217
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	4,023,016

Energy Utilization Index =

Total BTU Consumption/Yr	4,023,015,898	
Gross Area (ft) 2	41,140	
Divided by 100,000 =	0.9779	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.10	
WATER COST TOTAL/YEAR		$7,021
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$52,124

BUILDING: Lab Incubator
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	2,835	15	$0.067	$191	44	0.24	$3.47	$153	0	$4.50	$0	$344
August	10	170	100%	2,860	16	$0.066	$189	44	0.25	$3.47	$153	0	$4.50	$0	$343
September	48	138	100%	2,431	13	$0.068	$166	44	0.24	$3.47	$153	0	$4.50	$0	$319
October	347	0	100%	2,077	6	$0.067	$139	44	0.13	$3.47	$154	0	$4.50	$0	$293
November	595	0	100%	2,540	4	$0.070	$179	45	0.07	$3.47	$155	0	$4.50	$0	$334
December	740	0	100%	2,040	3	$0.066	$135	44	0.06	$3.47	$154	0	$4.50	$0	$288
1st half yr	1742	493		14,783	7	$0.068	$1,000	266	0.12	$3.47	$922	0	$4.50	$0	$1,921
January	1182	0	100%	3,006	3	$0.065	$194	44	0.04	$3.47	$154	0	$4.50	$0	$348
February	966	0	100%	2,429	3	$0.069	$167	45	0.05	$3.47	$156	0	$4.50	$0	$323
March	674	0	100%	2,618	4	$0.069	$180	45	0.07	$3.47	$155	0	$4.50	$0	$335
April	548	0	100%	2,652	5	$0.070	$185	45	0.08	$3.47	$155	0	$4.50	$0	$340
May	224	69	100%	2,079	7	$0.067	$140	47	0.16	$3.47	$162	0	$4.50	$0	$301
June	13	190	100%	2,079	10	$0.072	$149	46	0.23	$3.47	$161	0	$4.50	$0	$310
2nd half yr	3607	259		14,863	4	$0.068	$1,015	272	0.07	$3.47	$943	0	$4.50	$0	$1,957
TOTAL/YEAR	5349	752		29,646	5	$0.068	$2,014	537	0.09	$3.47	$1,865	0	$4.50	$0	$3,879

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	101,182
Natural Gas = MCF X 102,500	55,080
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	156,262

Energy Utilization Index =

Total BTU Consumption/Yr	156,262,108	
Gross Area (ft) 2	20,533	
Divided by 100,000 =	0.0761	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.19	
WATER COST TOTAL/YEAR		$1,243
WATER / SQ. FT. / YEAR	$0.06	
UTILITY COST/YEAR		$5,122

BUILDING: Mulford Library
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	150,199	803	$0.067	$10,129	5	0.02	$10.28	$47	0	$4.50	$0	$10,175
August	10	170	100%	153,849	855	$0.066	$10,189	23	0.13	$10.28	$234	0	$4.50	$0	$10,422
September	48	138	100%	125,411	674	$0.068	$8,565	109	0.59	$10.28	$1,123	0	$4.50	$0	$9,688
October	347	0	100%	179,099	516	$0.067	$12,019	790	2.28	$10.28	$8,119	0	$4.50	$0	$20,138
November	595	0	100%	142,067	239	$0.070	$10,010	1,355	2.28	$10.28	$13,921	0	$4.50	$0	$23,931
December	740	0	100%	132,182	179	$0.066	$8,719	1,685	2.28	$10.28	$17,314	0	$4.50	$0	$26,033
1st half yr	1742	493		882,807	395	$0.068	$59,630	3,966	1.77	$10.28	$40,758	0	$4.50	$0	$100,388
January	1182	0	100%	132,300	112	$0.065	$8,546	2,691	2.28	$10.28	$27,656	0	$4.50	$0	$36,202
February	966	0	100%	130,641	135	$0.069	$9,001	2,199	2.28	$10.28	$22,602	0	$4.50	$0	$31,603
March	674	0	100%	140,334	208	$0.069	$9,649	1,534	2.28	$10.28	$15,770	0	$4.50	$0	$25,419
April	548	0	100%	128,628	235	$0.070	$8,958	1,248	2.28	$10.28	$12,822	0	$4.50	$0	$21,779
May	224	69	100%	132,320	452	$0.067	$8,891	510	1.74	$10.28	$5,241	0	$4.50	$0	$14,132
June	13	190	100%	124,580	614	$0.072	$8,917	30	0.15	$10.28	$304	0	$4.50	$0	$9,222
2nd half yr	3607	259		788,803	204	$0.068	$53,963	8,212	2.12	$10.28	$84,394	0	$4.50	$0	$138,357
TOTAL/YEAR	5349	752		1,671,610	274	$0.068	$113,593	12,178	2.00	$10.28	$125,152	0	$4.50	$0	$238,745

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	5,705,205
Steam = M (lbs) X 1,000,000	12,177,728
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	17,882,933

Energy Utilization Index =

Total BTU Consumption/Yr	17,882,932,513
Gross Area (ft) 2	137,930
Divided by 100,000 =	1.2965 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.73	
WATER COST TOTAL/YEAR		$2,124
WATER / SQ. FT. / YEAR	$0.02	
UTILITY COST/YEAR		$240,869

BUILDING: Northwest Ohio Medical Technology Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	111,931	599	$0.067	$7,548	125	0.67	$8.41	$1,051	0	$4.50	$0	$8,599
August	10	170	100%	121,374	674	$0.066	$8,038	106	0.59	$10.64	$1,128	0	$4.50	$0	$9,166
September	48	138	100%	109,271	587	$0.068	$7,463	109	0.59	$9.71	$1,058	0	$4.50	$0	$8,521
October	347	0	100%	82,886	239	$0.067	$5,562	124	0.36	$8.61	$1,068	0	$4.50	$0	$6,630
November	595	0	100%	74,643	125	$0.070	$5,259	192	0.32	$7.22	$1,387	0	$4.50	$0	$6,646
December	740	0	100%	59,273	80	$0.066	$3,910	222	0.30	$6.86	$1,524	0	$4.50	$0	$5,434
1st half yr	1742	493		559,378	250	$0.068	$37,780	878	0.39	$8.22	$7,215	0	$4.50	$0	$44,995
January	1182	0	100%	66,036	56	$0.065	$4,266	318	0.27	$6.17	$1,961	0	$4.50	$0	$6,227
February	966	0	100%	60,913	63	$0.069	$4,197	348	0.36	$6.10	$2,122	0	$4.50	$0	$6,318
March	674	0	100%	63,659	94	$0.069	$4,377	356	0.53	$6.66	$2,373	0	$4.50	$0	$6,750
April	548	0	100%	63,156	115	$0.070	$4,398	233	0.43	$6.81	$1,587	0	$4.50	$0	$5,985
May	224	69	100%	87,342	298	$0.067	$5,869	139	0.47	$7.35	$1,022	0	$4.50	$0	$6,891
June	13	190	100%	112,614	555	$0.072	$8,061	74	0.36	$8.67	$642	0	$4.50	$0	$8,703
2nd half yr	3607	259		453,720	117	$0.068	$31,168	1,468	0.38	$6.61	$9,706	0	$4.50	$0	$40,874
TOTAL/YEAR	5349	752		1,013,098	166	$0.068	$68,948	2,346	0.38	$7.21	$16,921	0	$4.50	$0	$85,869

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	3,457,703
Natural Gas = MCF X 102,500	240,465
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	3,698,168

Energy Utilization Index =

Total BTU Consumption/Yr	3,698,168,474	
Gross Area (ft) 2	38,614	
Divided by 100,000 =	0.9577	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.22	
WATER COST TOTAL/YEAR		$7,184
WATER / SQ. FT. / YEAR	$0.19	
UTILITY COST/YEAR		$93,053

BUILDING: Records Retention
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	24,742	132	$0.067	$1,668	0	0.00	$0.00	$0	0	$4.50	$0	$1,668
August	10	170	100%	26,760	149	$0.066	$1,772	0	0.00	$0.00	$0	0	$4.50	$0	$1,772
September	48	138	100%	23,197	125	$0.068	$1,584	0	0.00	$0.00	$0	0	$4.50	$0	$1,584
October	347	0	100%	17,487	50	$0.067	$1,174	0	0.00	$0.00	$0	0	$4.50	$0	$1,174
November	595	0	100%	19,028	32	$0.070	$1,341	20	0.03	$7.22	$144	0	$4.50	$0	$1,485
December	740	0	100%	16,497	22	$0.066	$1,088	73	0.10	$6.86	$501	0	$4.50	$0	$1,589
1st half yr	1742	493		127,711	57	$0.068	$8,627	93	0.04	$6.94	$646	0	$4.50	$0	$9,273
January	1182	0	100%	19,340	16	$0.065	$1,249	154	0.13	$6.17	$950	0	$4.50	$0	$2,199
February	966	0	100%	19,197	20	$0.069	$1,323	187	0.19	$6.10	$1,140	0	$4.50	$0	$2,463
March	674	0	100%	18,860	28	$0.069	$1,297	168	0.25	$6.66	$1,120	0	$4.50	$0	$2,417
April	548	0	100%	17,525	32	$0.070	$1,220	100	0.18	$6.81	$681	0	$4.50	$0	$1,902
May	224	69	100%	19,334	66	$0.067	$1,299	63	0.22	$7.35	$463	0	$4.50	$0	$1,762
June	13	190	100%	21,982	108	$0.072	$1,573	12	0.06	$8.67	$104	0	$4.50	$0	$1,678
2nd half yr	3607	259		116,238	30	$0.068	$7,962	684	0.18	$6.52	$4,458	0	$4.50	$0	$12,420
TOTAL/YEAR	5349	752		243,949	40	$0.068	$16,589	777	0.13	$6.57	$5,103	0	$4.50	$0	$21,692

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	832,598
Natural Gas = MCF X 102,500	79,643
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	912,240

Energy Utilization Index =

Total BTU Consumption/Yr	912,240,437	
Gross Area (ft) 2	32,086	
Divided by 100,000 =	0.2843	THERMS

ENERGY COST / SQ. FT. / YEAR	$0.68	
WATER COST TOTAL/YEAR		$1,630
WATER / SQ. FT. / YEAR	$0.05	
UTILITY COST/YEAR		$23,323

BUILDING: Ruppert Health Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	158,295	846	$0.067	$10,674	4	0.02	$10.28	$39	0	$4.50	$0	$10,713
August	10	170	100%	156,400	869	$0.066	$10,357	19	0.10	$10.28	$194	0	$4.50	$0	$10,551
September	48	138	100%	124,916	672	$0.068	$8,531	90	0.49	$10.28	$929	0	$4.50	$0	$9,460
October	347	0	100%	182,905	527	$0.067	$12,274	654	1.88	$10.28	$6,718	0	$4.50	$0	$18,992
November	595	0	100%	147,915	249	$0.070	$10,422	1,121	1.88	$10.28	$11,519	0	$4.50	$0	$21,941
December	740	0	100%	146,043	197	$0.066	$9,634	1,394	1.88	$10.28	$14,326	0	$4.50	$0	$23,960
1st half yr	1742	493		916,474	410	$0.068	$61,893	3,281	1.47	$10.28	$33,724	0	$4.50	$0	$95,617
January	1182	0	100%	157,039	133	$0.065	$10,144	2,227	1.88	$10.28	$22,883	0	$4.50	$0	$33,027
February	966	0	100%	139,240	144	$0.069	$9,594	1,820	1.88	$10.28	$18,701	0	$4.50	$0	$28,295
March	674	0	100%	159,119	236	$0.069	$10,941	1,270	1.88	$10.28	$13,048	0	$4.50	$0	$23,989
April	548	0	100%	142,375	260	$0.070	$9,915	1,032	1.88	$10.28	$10,609	0	$4.50	$0	$20,524
May	224	69	100%	148,523	507	$0.067	$9,980	422	1.44	$10.28	$4,336	0	$4.50	$0	$14,317
June	13	190	100%	134,028	660	$0.072	$9,594	24	0.12	$10.28	$252	0	$4.50	$0	$9,845
2nd half yr	3607	259		880,324	228	$0.068	$60,168	6,795	1.76	$10.28	$69,829	0	$4.50	$0	$129,997
TOTAL/YEAR	5349	752		1,796,798	295	$0.068	$122,061	10,076	1.65	$10.28	$103,553	0	$4.50	$0	$225,614

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	6,132,472
Steam = M (lbs) X 1,000,000	10,076,092
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	16,208,563

Energy Utilization Index =

Total BTU Consumption/Yr	16,208,563,347
Gross Area (ft) 2	114,126
Divided by 100,000 =	1.4202 THERMS

ENERGY COST / SQ. FT. / YEAR	$1.98	
WATER COST TOTAL/YEAR		$19,494
WATER / SQ. FT. / YEAR	$0.17	
UTILITY COST/YEAR		$245,108

BUILDING: University Medical Ctr (Hospital)
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					PURCHASED STEAM				FUEL OIL			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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	1,390,463	7,436	$0.067	$93,765	12	0.07	$10.28	$128	0	$4.50	$0	$93,893
August	10	170	100%	1,367,350	7,596	$0.066	$90,552	62	0.35	$10.28	$641	0	$4.50	$0	$91,193
September	48	138	100%	1,117,585	6,009	$0.068	$76,325	300	1.61	$10.28	$3,079	0	$4.50	$0	$79,404
October	347	0	100%	1,414,143	4,075	$0.067	$94,899	2,166	6.24	$10.28	$22,257	0	$4.50	$0	$117,157
November	595	0	100%	1,030,530	1,732	$0.070	$72,610	3,714	6.24	$10.28	$38,164	0	$4.50	$0	$110,774
December	740	0	100%	993,129	1,342	$0.066	$65,511	4,618	6.24	$10.28	$47,465	0	$4.50	$0	$112,976
1st half yr	1742	493		7,313,200	3,272	$0.068	$493,663	10,872	4.86	$10.28	$111,734	0	$4.50	$0	$605,397
January	1182	0	100%	1,054,436	892	$0.065	$68,113	7,377	6.24	$10.28	$75,815	0	$4.50	$0	$143,928
February	966	0	100%	942,012	975	$0.069	$64,905	6,029	6.24	$10.28	$61,961	0	$4.50	$0	$126,866
March	674	0	100%	648,694	962	$0.069	$44,604	4,207	6.24	$10.28	$43,231	0	$4.50	$0	$87,836
April	548	0	100%	1,521,710	2,777	$0.070	$105,973	3,420	6.24	$10.28	$35,150	0	$4.50	$0	$141,122
May	224	69	100%	1,263,133	4,311	$0.067	$84,879	1,398	4.77	$10.28	$14,368	0	$4.50	$0	$99,246
June	13	190	100%	1,253,173	6,173	$0.072	$89,702	81	0.40	$10.28	$834	0	$4.50	$0	$90,536
2nd half yr	3607	259		6,683,158	1,729	$0.068	$458,176	22,512	5.82	$10.28	$231,358	0	$4.50	$0	$689,534
TOTAL/YEAR	5349	752		13,996,358	2,294	$0.068	$951,838	33,384	5.47	$10.28	$343,093	0	$4.50	$0	$1,294,931

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	47,769,570
Steam = M (lbs) X 1,000,000	33,384,172
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	81,153,742

Energy Utilization Index =

Total BTU Consumption/Yr	81,153,742,166	
Gross Area (ft) 2	378,123	
Divided by 100,000 =	2.1462	THERMS

ENERGY COST / SQ. FT. / YEAR	$3.42	
WATER COST TOTAL/YEAR		$369,545
WATER / SQ. FT. / YEAR	$0.98	
UTILITY COST/YEAR		$1,664,476

BUILDING: Basic Science Lab-Classroom Ctr-Allied Health
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	53,940	288	$0.141	$7,627	0	0.00	$0.00	$0	0	$4.50	$0	$7,627
August	10	170	100%	59,780	332	$0.136	$8,146	0	0.00	$0.00	$0	0	$4.50	$0	$8,146
September	48	138	100%	84,625	455	$0.130	$10,994	0	0.00	$0.00	$0	0	$4.50	$0	$10,994
October	347	0	100%	84,625	244	$0.116	$9,817	0	0.00	$0.00	$0	0	$4.50	$0	$9,817
November	595	0	100%	63,730	107	$0.115	$7,358	0	0.00	$0.00	$0	0	$4.50	$0	$7,358
December	740	0	100%	63,730	86	$0.099	$6,313	0	0.00	$0.00	$0	0	$4.50	$0	$6,313
1st half yr	1742	493		410,430	184	$0.123	$50,254	0	0.00	$0.00	$0	0	$4.50	$0	$50,254
January	1182	0	100%	211,720	179	$0.101	$21,386	0	0.00	$0.00	$0	0	$4.50	$0	$21,386
February	966	0	100%	124,620	129	$0.109	$13,552	0	0.00	$0.00	$0	0	$4.50	$0	$13,552
March	674	0	100%	116,660	173	$0.120	$13,985	0	0.00	$0.00	$0	0	$4.50	$0	$13,985
April	548	0	100%	88,550	162	$0.127	$11,266	0	0.00	$0.00	$0	0	$4.50	$0	$11,266
May	224	69	100%	85,250	291	$0.135	$11,497	0	0.00	$0.00	$0	0	$4.50	$0	$11,497
June	13	190	100%	76,250	376	$0.143	$10,912	0	0.00	$0.00	$0	0	$4.50	$0	$10,912
2nd half yr	3607	259		703,050	182	$0.122	$82,597	0	0.00	$0.00	$0	0	$4.50	$0	$82,597
TOTAL/YEAR	5349	752		1,113,480	183	$0.123	$132,851	0	0.00	$0.00	$0	0	$4.50	$0	$132,851

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	3,800,307
Natural Gas = MCF X 102,500	0
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	3,800,307

Energy Utilization Index =

Total BTU Consumption/Yr	3,800,307,240	
Gross Area (ft) 2	77,096	
Divided by 100,000 =	0.4929	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.72	
WATER COST TOTAL/YEAR		$9,449
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$142,301

BUILDING: Engineering Tech Lab Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	6,490	35	$0.141	$918	0	0.00	$0.00	$0	0	$4.50	$0	$918
August	10	170	100%	8,300	46	$0.136	$1,131	0	0.00	$0.00	$0	0	$4.50	$0	$1,131
September	48	138	100%	29,815	160	$0.130	$3,873	0	0.00	$0.00	$0	0	$4.50	$0	$3,873
October	347	0	100%	29,815	86	$0.116	$3,459	0	0.00	$0.00	$0	0	$4.50	$0	$3,459
November	595	0	100%	75,570	127	$0.115	$8,725	0	0.00	$0.00	$0	0	$4.50	$0	$8,725
December	740	0	100%	75,570	102	$0.099	$7,486	0	0.00	$0.00	$0	0	$4.50	$0	$7,486
1st half yr	1742	493		225,560	101	$0.123	$25,591	0	0.00	$0.00	$0	0	$4.50	$0	$25,591
January	1182	0	100%	62,490	53	$0.101	$6,312	0	0.00	$0.00	$0	0	$4.50	$0	$6,312
February	966	0	100%	72,040	75	$0.109	$7,834	0	0.00	$0.00	$0	0	$4.50	$0	$7,834
March	674	0	100%	80,240	119	$0.120	$9,619	0	0.00	$0.00	$0	0	$4.50	$0	$9,619
April	548	0	100%	44,590	81	$0.127	$5,673	0	0.00	$0.00	$0	0	$4.50	$0	$5,673
May	224	69	100%	36,520	125	$0.135	$4,925	0	0.00	$0.00	$0	0	$4.50	$0	$4,925
June	13	190	100%	24,850	122	$0.143	$3,556	0	0.00	$0.00	$0	0	$4.50	$0	$3,556
2nd half yr	3607	259		320,730	83	$0.122	$37,919	0	0.00	$0.00	$0	0	$4.50	$0	$37,919
TOTAL/YEAR	5349	752		546,290	90	$0.123	$63,511	0	0.00	$0.00	$0	0	$4.50	$0	$63,511

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	1,864,488
Natural Gas = MCF X 102,500	0
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	1,864,488

Energy Utilization Index =

Total BTU Consumption/Yr	1,864,487,770
Gross Area (ft) 2	24,812
Divided by 100,000 =	0.7514 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.56	
WATER COST TOTAL/YEAR		$3,041
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$66,552

BUILDING: Faculty Annex
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	14,170	76	$0.141	$2,003	0	0.00	$0.00	$0	0	$4.50	$0	$2,003
August	10	170	100%	11,970	67	$0.136	$1,631	0	0.00	$0.00	$0	0	$4.50	$0	$1,631
September	48	138	100%	15,340	82	$0.130	$1,993	0	0.00	$0.00	$0	0	$4.50	$0	$1,993
October	347	0	100%	15,340	44	$0.116	$1,780	0	0.00	$0.00	$0	0	$4.50	$0	$1,780
November	595	0	100%	16,080	27	$0.115	$1,857	0	0.00	$0.00	$0	0	$4.50	$0	$1,857
December	740	0	100%	16,080	22	$0.099	$1,593	0	0.00	$0.00	$0	0	$4.50	$0	$1,593
1st half yr	1742	493		88,980	40	$0.123	$10,856	0	0.00	$0.00	$0	0	$4.50	$0	$10,856
January	1182	0	100%	14,190	12	$0.101	$1,433	0	0.00	$0.00	$0	0	$4.50	$0	$1,433
February	966	0	100%	15,600	16	$0.109	$1,696	0	0.00	$0.00	$0	0	$4.50	$0	$1,696
March	674	0	100%	17,410	26	$0.120	$2,087	0	0.00	$0.00	$0	0	$4.50	$0	$2,087
April	548	0	100%	14,400	26	$0.127	$1,832	0	0.00	$0.00	$0	0	$4.50	$0	$1,832
May	224	69	100%	14,530	50	$0.135	$1,960	0	0.00	$0.00	$0	0	$4.50	$0	$1,960
June	13	190	100%	12,380	61	$0.143	$1,772	0	0.00	$0.00	$0	0	$4.50	$0	$1,772
2nd half yr	3607	259		88,510	23	$0.122	$10,780	0	0.00	$0.00	$0	0	$4.50	$0	$10,780
TOTAL/YEAR	5349	752		177,490	29	$0.123	$21,636	0	0.00	$0.00	$0	0	$4.50	$0	$21,636

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	605,773
Natural Gas = MCF X 102,500	0
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	605,773

Energy Utilization Index =

Total BTU Consumption/Yr	605,773,370
Gross Area (ft) 2	8,895
Divided by 100,000 =	0.6810 THERMS

ENERGY COST / SQ. FT. / YEAR	$2.43	
WATER COST TOTAL/YEAR		$1,090
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$22,727

BUILDING: Findlay Athletic Complex
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	9,068	48	$0.141	$1,282	7	0.04	$18.20	133	0	$4.50	$0	$1,415
August	10	170	100%	3,959	22	$0.136	$540	15	0.08	$12.89	191	0	$4.50	$0	$730
September	48	138	100%	9,746	52	$0.130	$1,266	22	0.12	$11.31	243	0	$4.50	$0	$1,509
October	347	0	100%	8,331	24	$0.116	$966	34	0.10	$9.86	338	0	$4.50	$0	$1,305
November	595	0	100%	6,521	11	$0.115	$753	87	0.15	$8.32	720	0	$4.50	$0	$1,473
December	740	0	100%	6,614	9	$0.099	$655	87	0.12	$8.24	720	0	$4.50	$0	$1,375
1st half yr	1742	493		44,239	20	$0.123	$5,462	252	0.11	$9.31	2,345	0	$4.50	$0	$7,807
January	1182	0	100%	6,706	6	$0.101	$677	225	0.19	$7.44	1,675	0	$4.50	$0	$2,352
February	966	0	100%	7,617	8	$0.109	$828	191	0.20	$7.52	1,435	0	$4.50	$0	$2,263
March	674	0	100%	7,617	11	$0.120	$913	100	0.15	$8.23	821	0	$4.50	$0	$1,734
April	548	0	100%	8,034	15	$0.127	$1,022	86	0.16	$8.45	727	0	$4.50	$0	$1,749
May	224	69	100%	7,866	27	$0.135	$1,061	34	0.12	$10.30	350	0	$4.50	$0	$1,411
June	13	190	100%	9,520	47	$0.143	$1,362	7	0.03	$18.56	130	0	$4.50	$0	$1,492
2nd half yr	3607	259		47,360	12	$0.122	$5,864	643	0.17	$8.00	$5,138	0	$4.50	$0	$11,002
TOTAL/YEAR	5349	752		91,599	15	$0.123	$11,326	894	0.15	$8.37	$7,483	0	$4.50	$0	$18,809

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	312,626
Natural Gas = MCF X 102,500	91,676
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	404,302

Energy Utilization Index =

Total BTU Consumption/Yr	404,302,363	
Gross Area (ft) 2	6,593	
Divided by 100,000 =	0.6132	THERMS

ENERGY COST / SQ. FT. / YEAR	$2.85	
WATER COST TOTAL/YEAR		$5,587
WATER / SQ. FT. / YEAR	$0.85	
UTILITY COST/YEAR		$24,397

BUILDING: LRC ASC and Concourse
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	121,000	647	$0.141	$17,108	0	0.00	$0.00	$0	0	$4.50	$0	$17,108
August	10	170	100%	106,170	590	$0.136	$14,467	0	0.00	$0.00	$0	0	$4.50	$0	$14,467
September	48	138	100%	134,515	723	$0.130	$17,475	0	0.00	$0.00	$0	0	$4.50	$0	$17,475
October	347	0	100%	134,515	388	$0.116	$15,604	0	0.00	$0.00	$0	0	$4.50	$0	$15,604
November	595	0	100%	181,550	305	$0.115	$20,961	0	0.00	$0.00	$0	0	$4.50	$0	$20,961
December	740	0	100%	181,550	245	$0.099	$17,984	0	0.00	$0.00	$0	0	$4.50	$0	$17,984
1st half yr	1742	493		859,300	384	$0.123	$103,600	0	0.00	$0.00	$0	0	$4.50	$0	$103,600
January	1182	0	100%	201,410	170	$0.101	$20,344	0	0.00	$0.00	$0	0	$4.50	$0	$20,344
February	966	0	100%	221,920	230	$0.109	$24,133	0	0.00	$0.00	$0	0	$4.50	$0	$24,133
March	674	0	100%	193,400	287	$0.120	$23,184	0	0.00	$0.00	$0	0	$4.50	$0	$23,184
April	548	0	100%	126,960	232	$0.127	$16,152	0	0.00	$0.00	$0	0	$4.50	$0	$16,152
May	224	69	100%	102,860	351	$0.135	$13,872	0	0.00	$0.00	$0	0	$4.50	$0	$13,872
June	13	190	100%	90,670	447	$0.143	$12,975	0	0.00	$0.00	$0	0	$4.50	$0	$12,975
2nd half yr	3607	259		937,220	242	$0.122	$110,661	0	0.00	$0.00	$0	0	$4.50	$0	$110,661
TOTAL/YEAR	5349	752		1,796,520	294	$0.123	$214,261	0	0.00	$0.00	$0	0	$4.50	$0	$214,261

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	6,131,523
Natural Gas = MCF X 102,500	0
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	6,131,523

Energy Utilization Index =

Total BTU Consumption/Yr	6,131,522,760	
Gross Area (ft) 2	127,430	
Divided by 100,000 =	0.4812	THERMS

ENERGY COST / SQ. FT. / YEAR	$1.68	
WATER COST TOTAL/YEAR		$15,619
WATER / SQ. FT. / YEAR	$0.12	
UTILITY COST/YEAR		$229,880

BUILDING: Non-Academic Services Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	145,958	781	$0.141	$20,637	0	0.00	$0.00	$0	0	$4.50	$0	$20,637
August	10	170	100%	129,549	720	$0.136	$17,653	0	0.00	$0.00	$0	0	$4.50	$0	$17,653
September	48	138	100%	129,420	696	$0.130	$16,813	0	0.00	$0.00	$0	0	$4.50	$0	$16,813
October	347	0	100%	88,957	256	$0.116	$10,319	0	0.00	$0.00	$0	0	$4.50	$0	$10,319
November	595	0	100%	29,564	50	$0.115	$3,413	0	0.00	$0.00	$0	0	$4.50	$0	$3,413
December	740	0	100%	35,136	47	$0.099	$3,480	0	0.00	$0.00	$0	0	$4.50	$0	$3,480
1st half yr	1742	493		558,583	250	$0.123	$72,317	0	0.00	$0.00	$0	0	$4.50	$0	$72,317
January	1182	0	100%	39,672	34	$0.101	$4,007	0	0.00	$0.00	$0	0	$4.50	$0	$4,007
February	966	0	100%	43,514	45	$0.109	$4,732	0	0.00	$0.00	$0	0	$4.50	$0	$4,732
March	674	0	100%	34,679	51	$0.120	$4,157	0	0.00	$0.00	$0	0	$4.50	$0	$4,157
April	548	0	100%	51,590	94	$0.127	$6,563	0	0.00	$0.00	$0	0	$4.50	$0	$6,563
May	224	69	100%	108,791	371	$0.135	$14,672	0	0.00	$0.00	$0	0	$4.50	$0	$14,672
June	13	190	100%	108,791	536	$0.143	$15,569	0	0.00	$0.00	$0	0	$4.50	$0	$15,569
2nd half yr	3607	259		387,038	100	$0.122	$49,700	0	0.00	$0.00	$0	0	$4.50	$0	$49,700
TOTAL/YEAR	5349	752		945,622	155	$0.123	$122,017	0	0.00	$0.00	$0	0	$4.50	$0	$122,017

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	3,227,407
Natural Gas = MCF X 102,500	0
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	3,227,407

Energy Utilization Index =

Total BTU Consumption/Yr	3,227,406,521	
Gross Area (ft) 2	14,881	
Divided by 100,000 =	2.1688	THERMS

ENERGY COST / SQ. FT. / YEAR	$8.20	
WATER COST TOTAL/YEAR		$10,055
WATER / SQ. FT. / YEAR	$0.68	
UTILITY COST/YEAR		$132,072

BUILDING: Scott Park Student Center
FY YEAR: 2016

DATE : 11/28/16

MONTH	DEGREE DAYS (DD)		ELECTRICITY					NATURAL GAS				FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	2	185	100%	60,230	322	$0.141	$8,516	0	0.00	$0.00	$0	0	$4.50	$0	$8,516
August	10	170	100%	44,100	245	$0.136	$6,009	0	0.00	$0.00	$0	0	$4.50	$0	$6,009
September	48	138	100%	61,455	330	$0.130	$7,984	0	0.00	$0.00	$0	0	$4.50	$0	$7,984
October	347	0	100%	61,455	177	$0.116	$7,129	0	0.00	$0.00	$0	0	$4.50	$0	$7,129
November	595	0	100%	94,895	159	$0.115	$10,956	0	0.00	$0.00	$0	0	$4.50	$0	$10,956
December	740	0	100%	94,895	128	$0.099	$9,400	0	0.00	$0.00	$0	0	$4.50	$0	$9,400
1st half yr	1742	493		417,030	187	$0.123	$49,994	0	0.00	$0.00	$0	0	$4.50	$0	$49,994
January	1182	0	100%	78,640	67	$0.101	$7,943	0	0.00	$0.00	$0	0	$4.50	$0	$7,943
February	966	0	100%	88,660	92	$0.109	$9,642	0	0.00	$0.00	$0	0	$4.50	$0	$9,642
March	674	0	100%	85,850	127	$0.120	$10,291	0	0.00	$0.00	$0	0	$4.50	$0	$10,291
April	548	0	100%	59,270	108	$0.127	$7,540	0	0.00	$0.00	$0	0	$4.50	$0	$7,540
May	224	69	100%	56,430	193	$0.135	$7,610	0	0.00	$0.00	$0	0	$4.50	$0	$7,610
June	13	190	100%	46,620	230	$0.143	$6,672	0	0.00	$0.00	$0	0	$4.50	$0	$6,672
2nd half yr	3607	259		415,470	107	$0.122	$49,699	0	0.00	$0.00	$0	0	$4.50	$0	$49,699
TOTAL/YEAR	5349	752		832,500	136	$0.123	$99,693	0	0.00	$0.00	$0	0	$4.50	$0	$99,693

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	2,841,323
Natural Gas = MCF X 102,500	0
Fuel Oil = Gallons X 138,690	0
Other Fuel	0
TOTAL BTU's x 1,000	2,841,323

Energy Utilization Index =

Total BTU Consumption/Yr	2,841,322,500	
Gross Area (ft) 2	30,601	
Divided by 100,000 =	0.9285	THERMS

ENERGY COST / SQ. FT. / YEAR	$3.26	
WATER COST TOTAL/YEAR		$4,029
WATER / SQ. FT. / YEAR	$0.13	
UTILITY COST/YEAR		$103,722