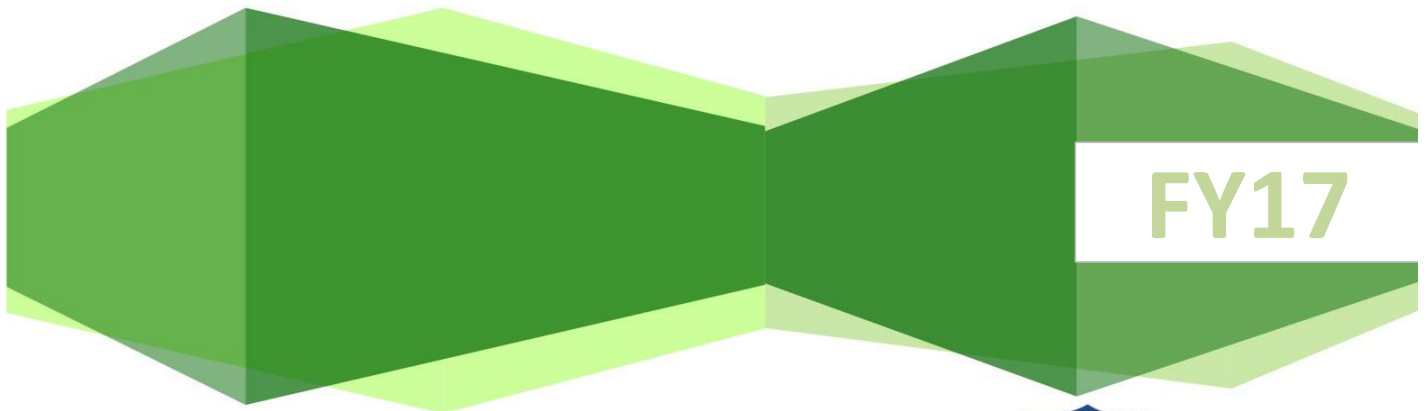


# Energy Summary

The University of Toledo

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





# ENERGY SUMMARY

## FISCAL YEAR 2017

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

### PREPARED BY

Michael Green, P.E.  
 Director, Energy Management

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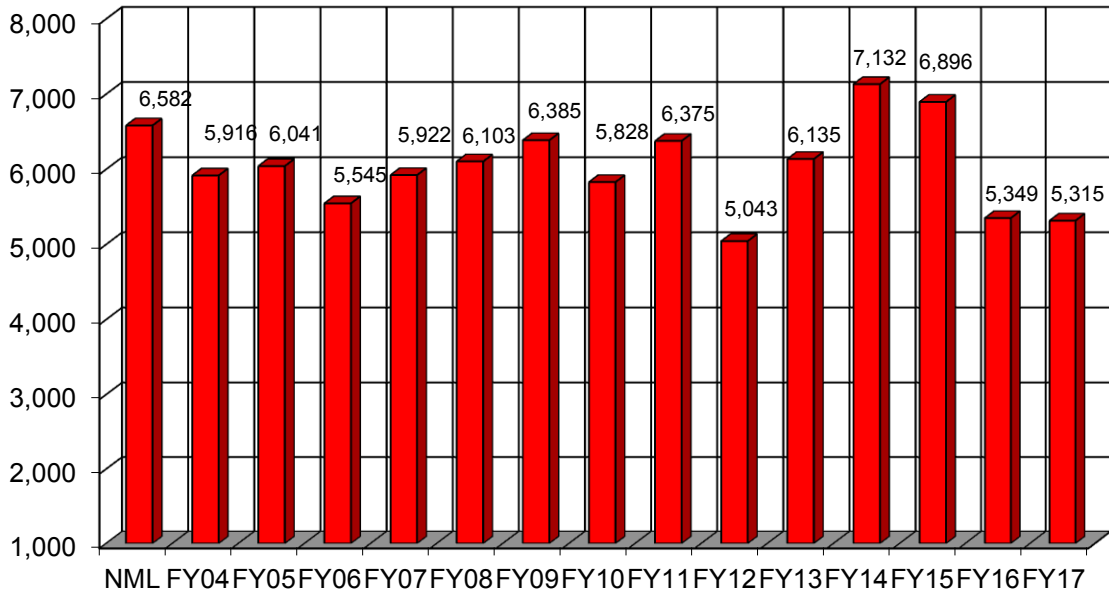
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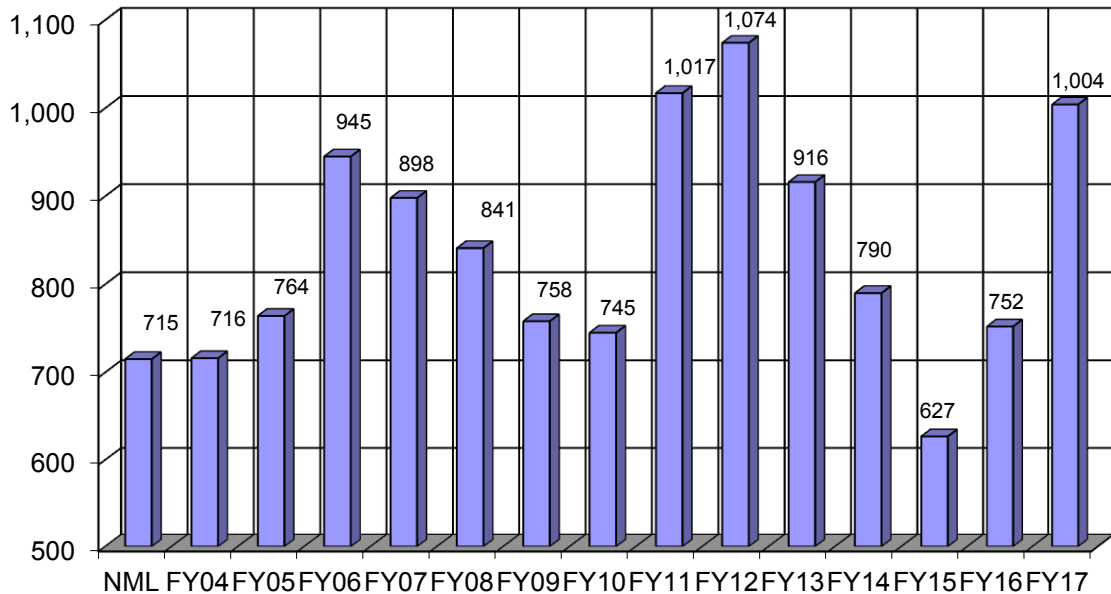
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# YEARLY DEGREE DAY SUMMARY

## HEATING DEGREE DAYS

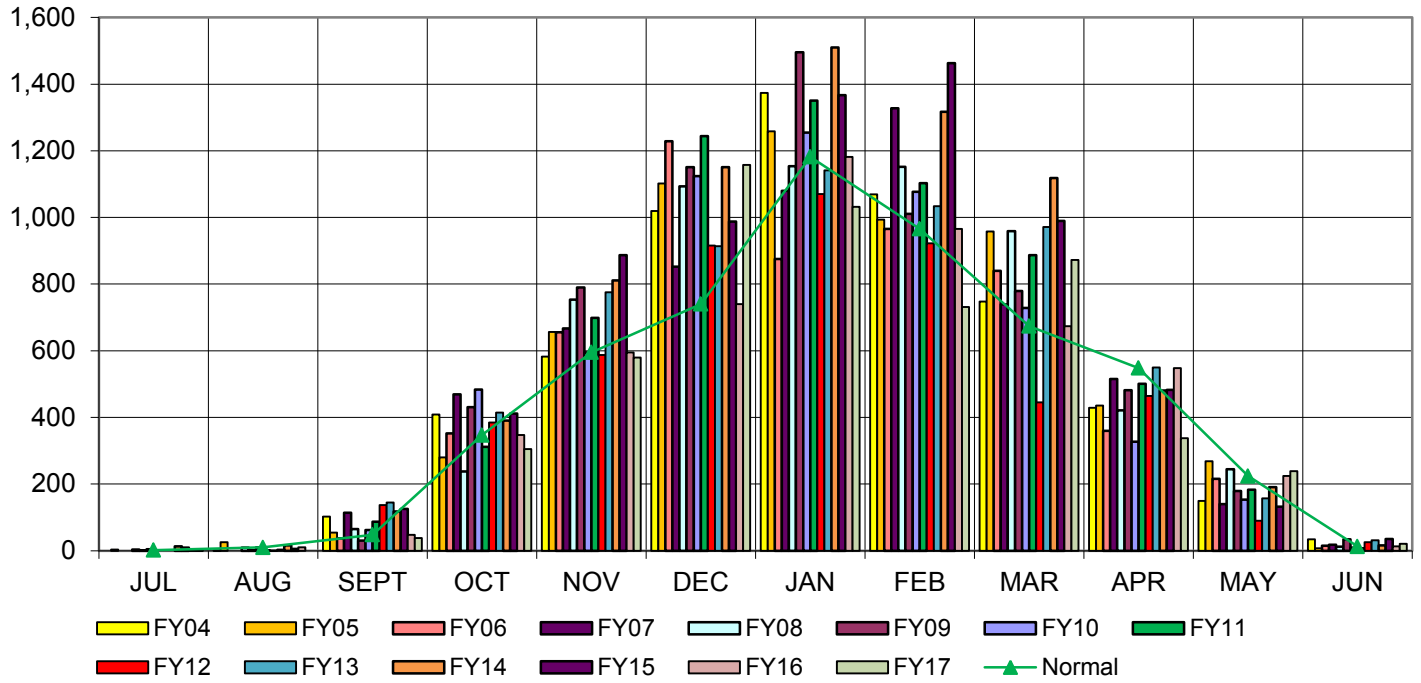


## COOLING DEGREE DAYS

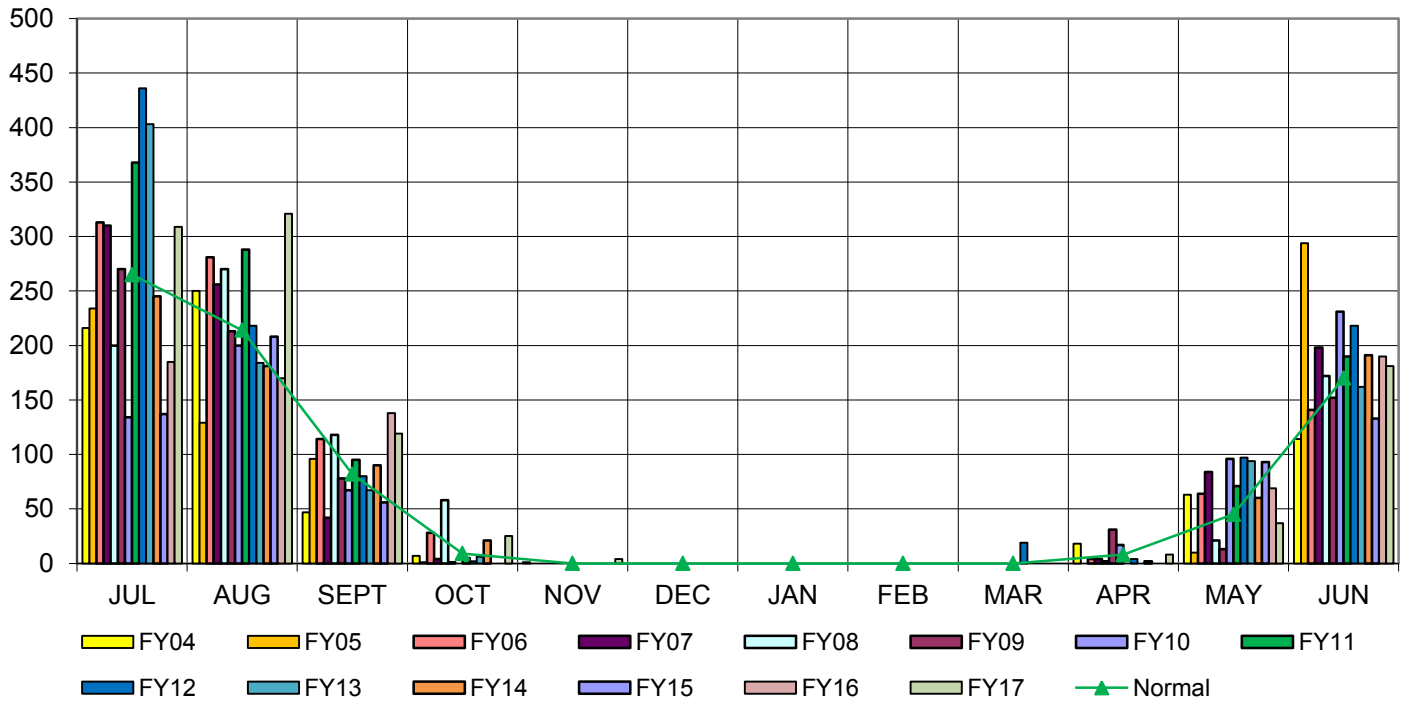


# MONTHLY DEGREE DAY SUMMARY

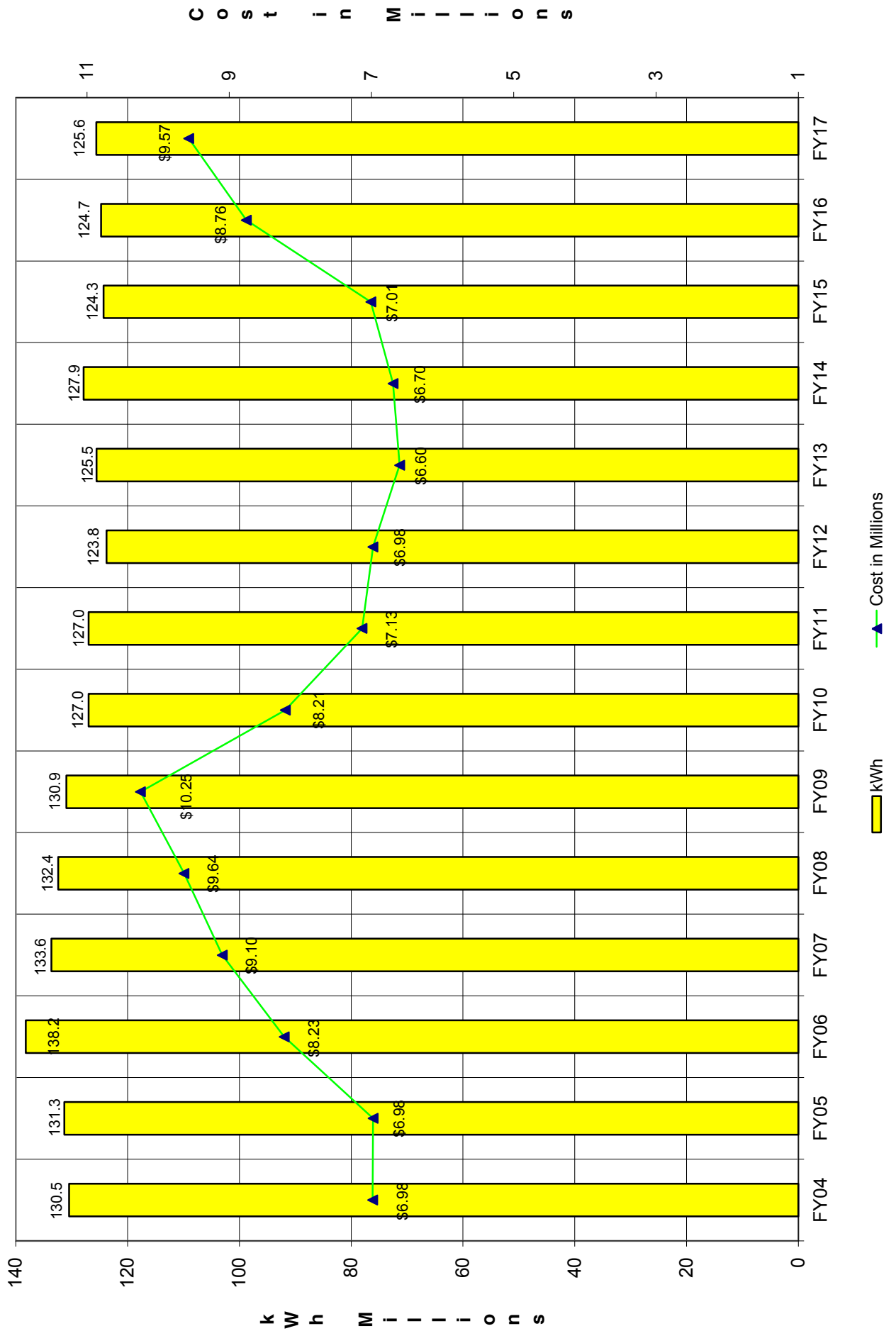
## HEATING DEGREE DAYS



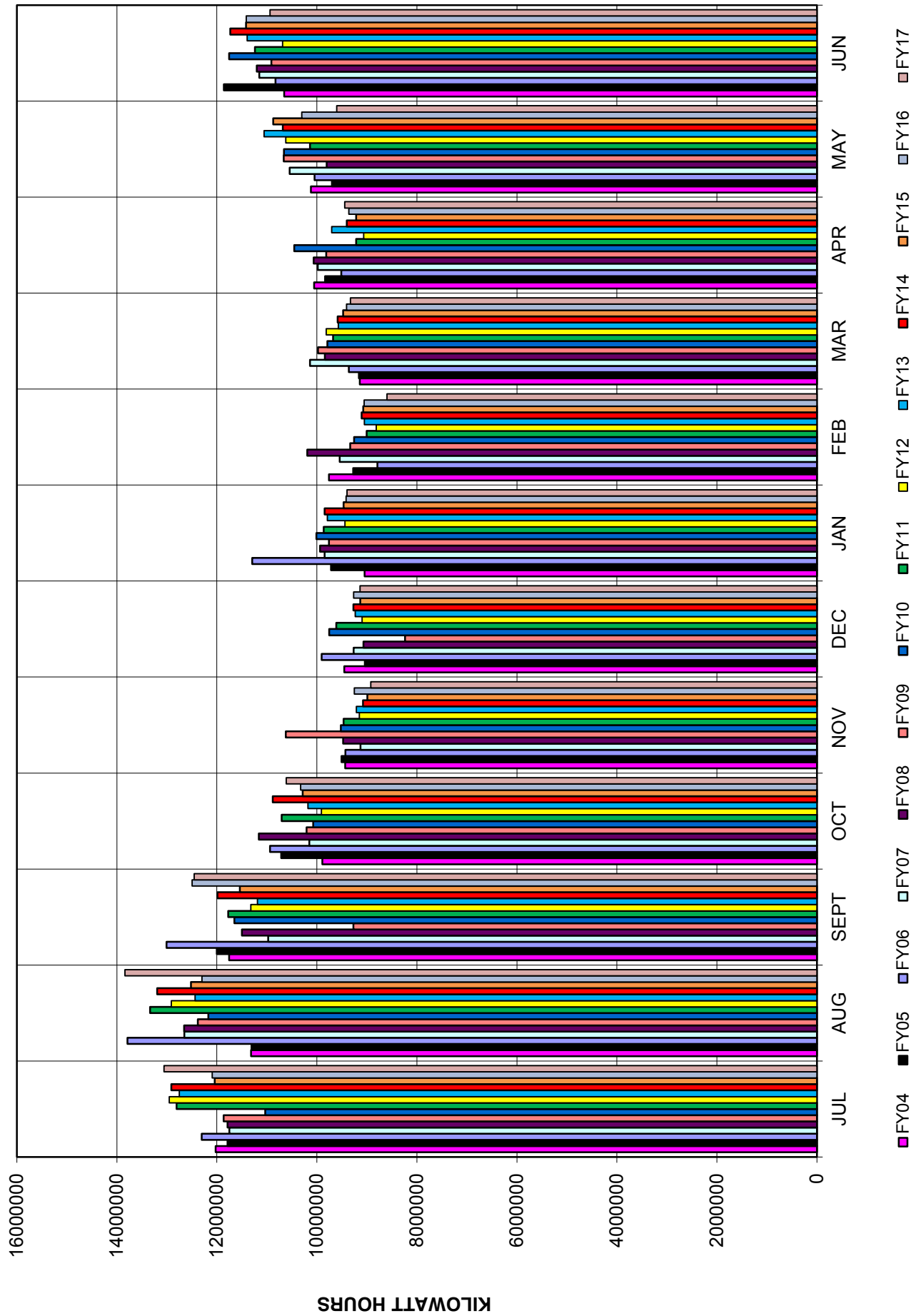
## COOLING DEGREE DAYS



# UT ALL CAMPUSES YEARLY SUBSTATION with COST

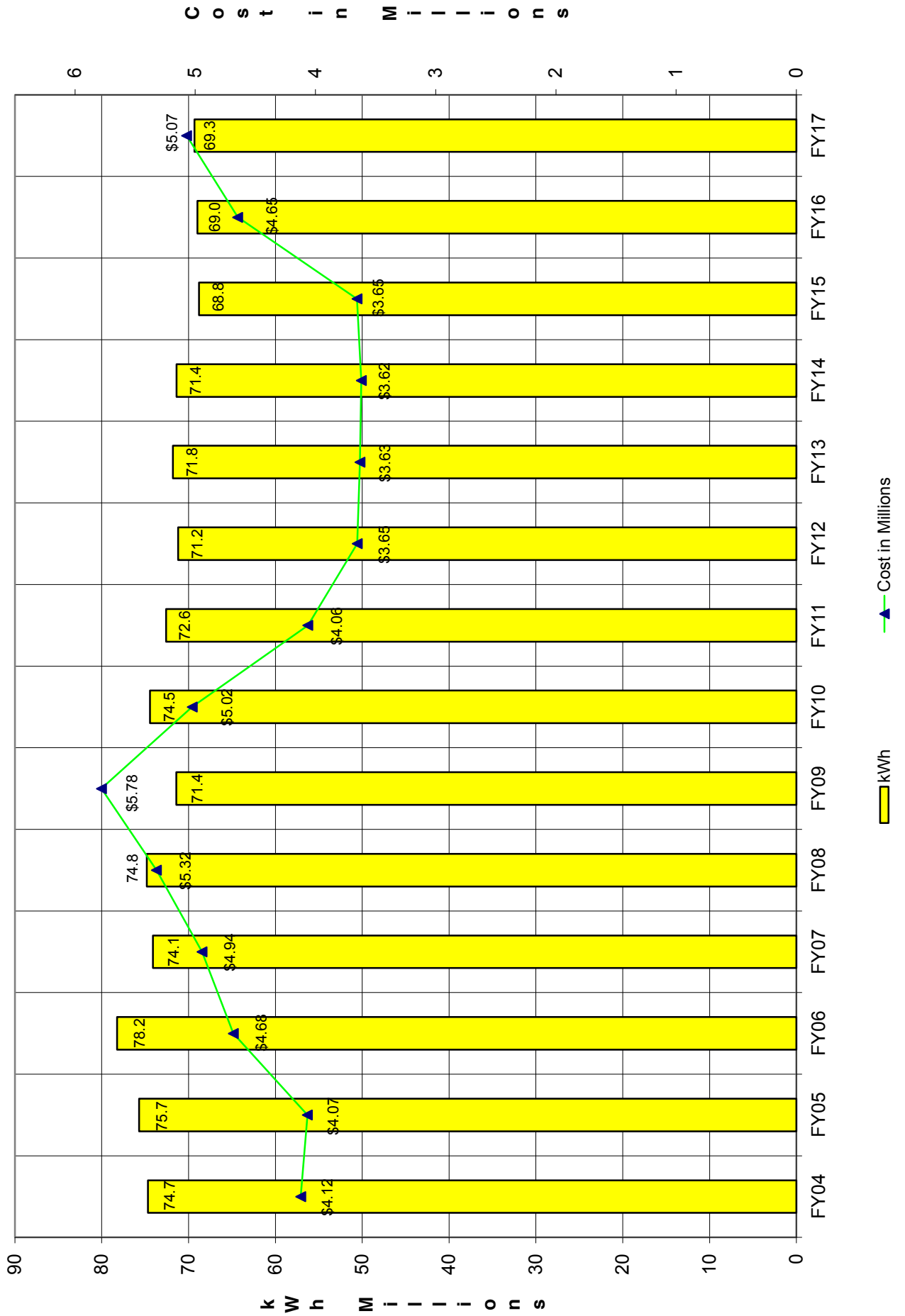


# UT ALL CAMPUSES MONTHLY SUBSTATION

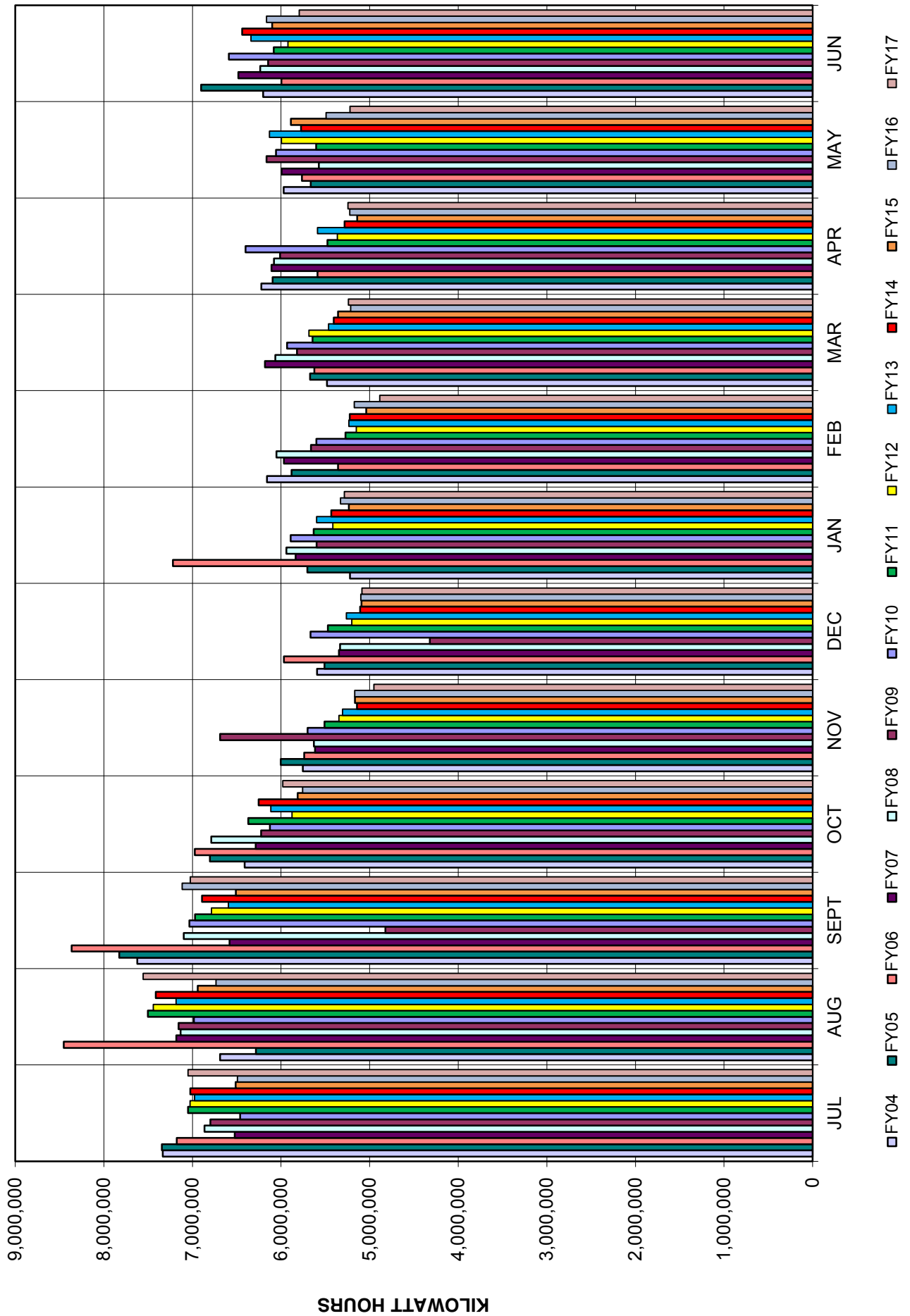




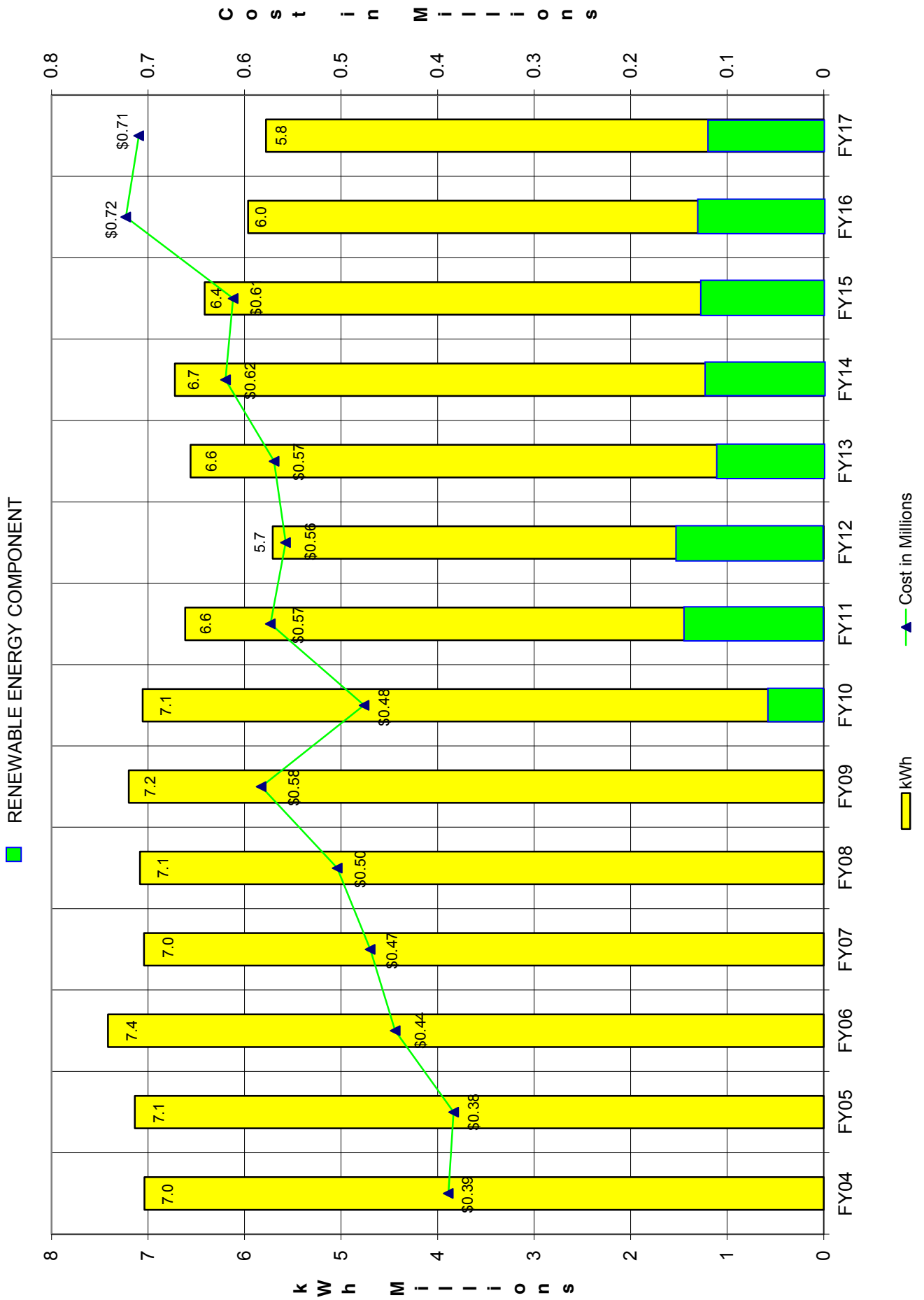
# MAIN CAMPUS YEARLY SUBSTATION with COST



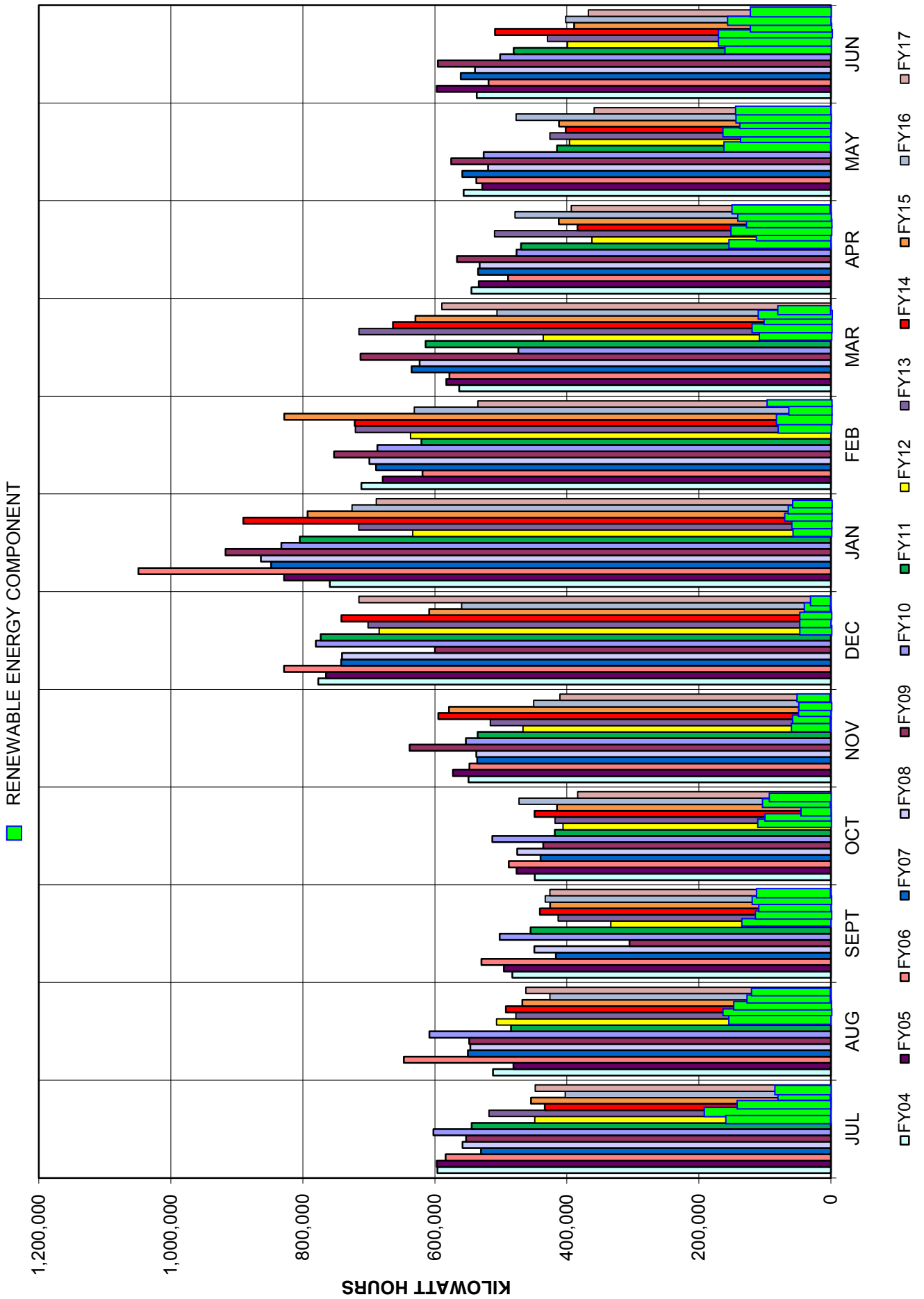
# MAIN CAMPUS MONTHLY SUBSTATION



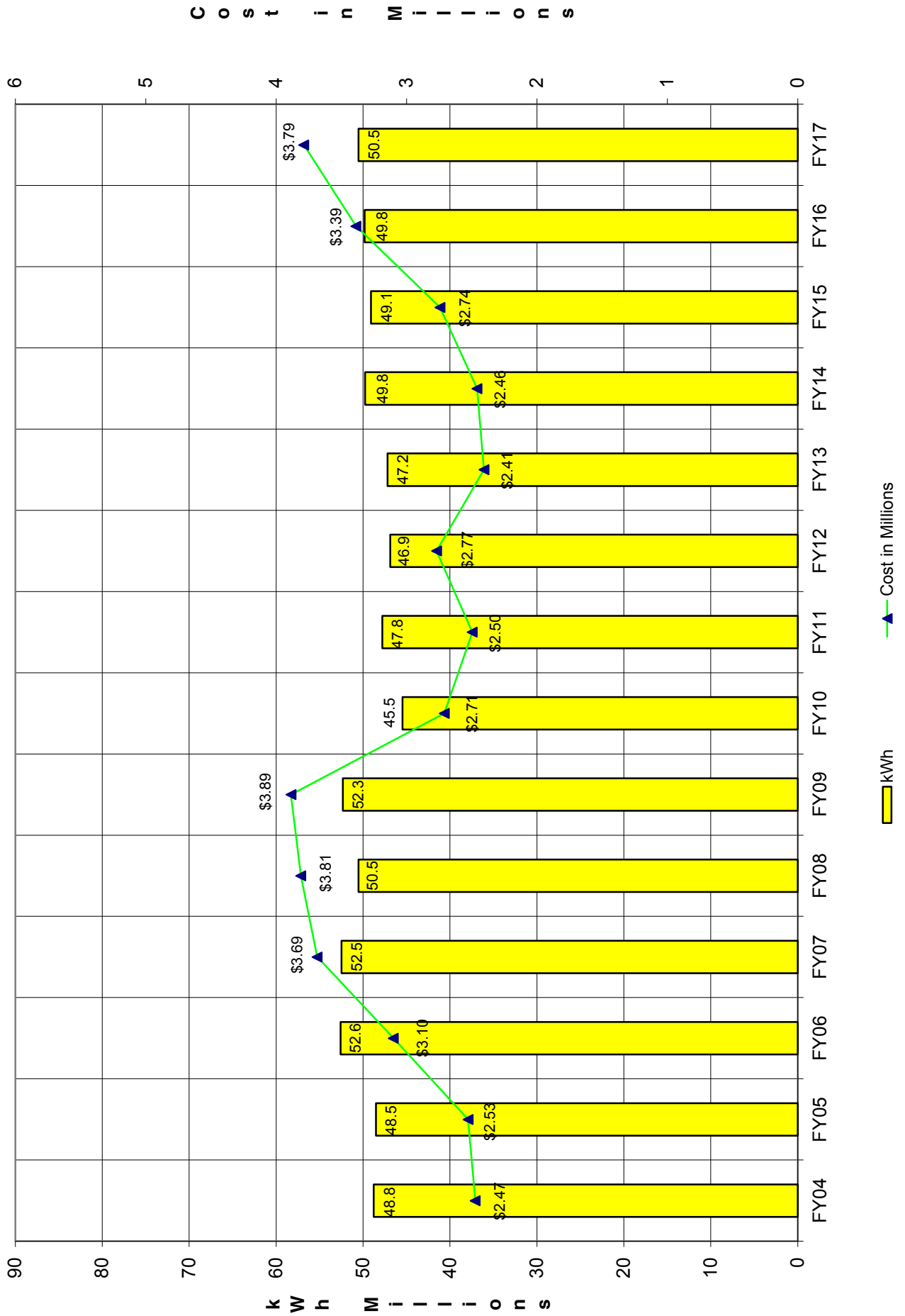
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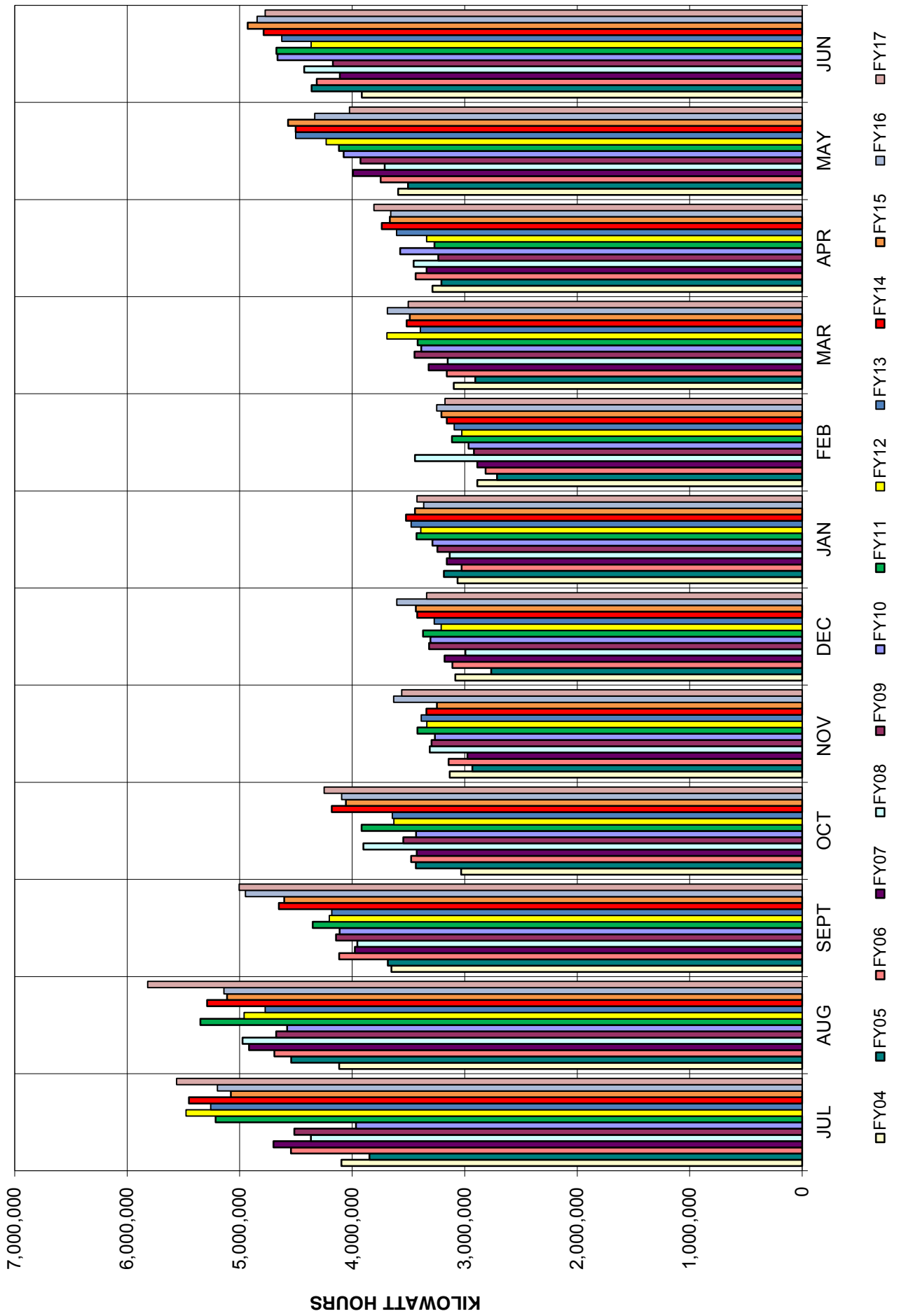
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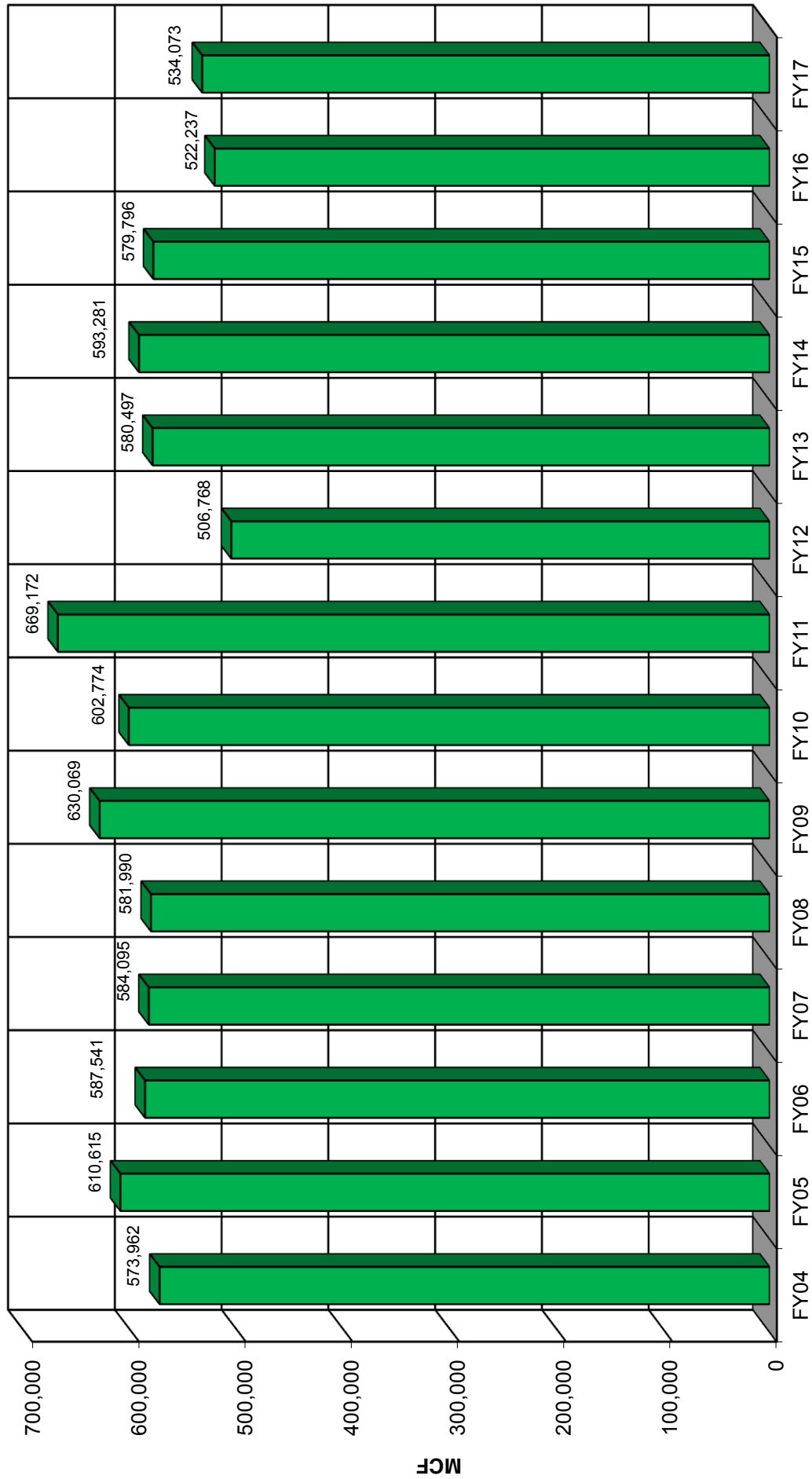
# HEALTH SCIENCE CAMPUS YEARLY SUBSTATION with COST



# HEALTH SCIENCE CAMPUS MONTHLY SUBSTATION

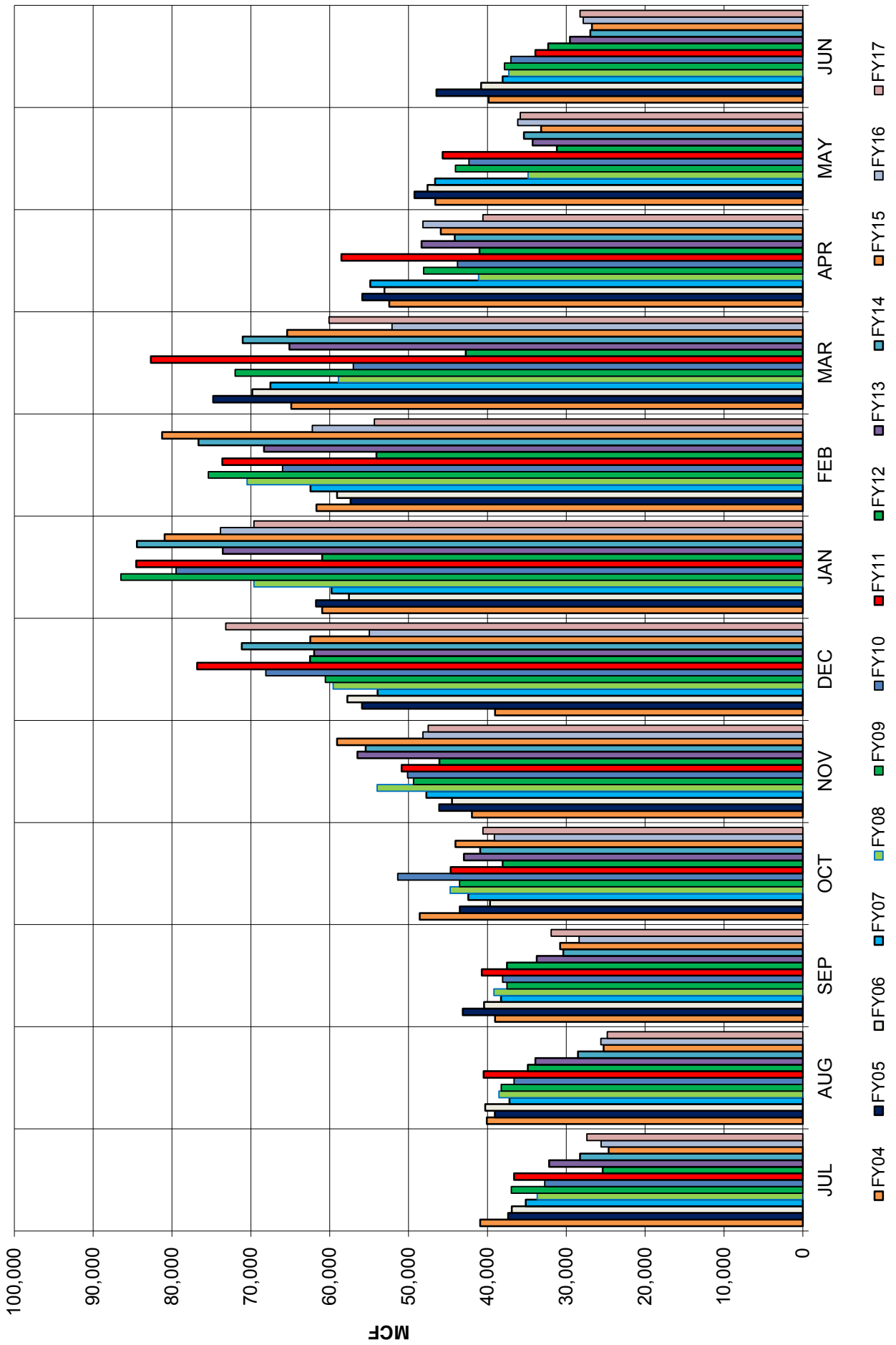


# UT ALL CAMPUSES YEARLY STEAM PLANT COMBINED COAL/GAS



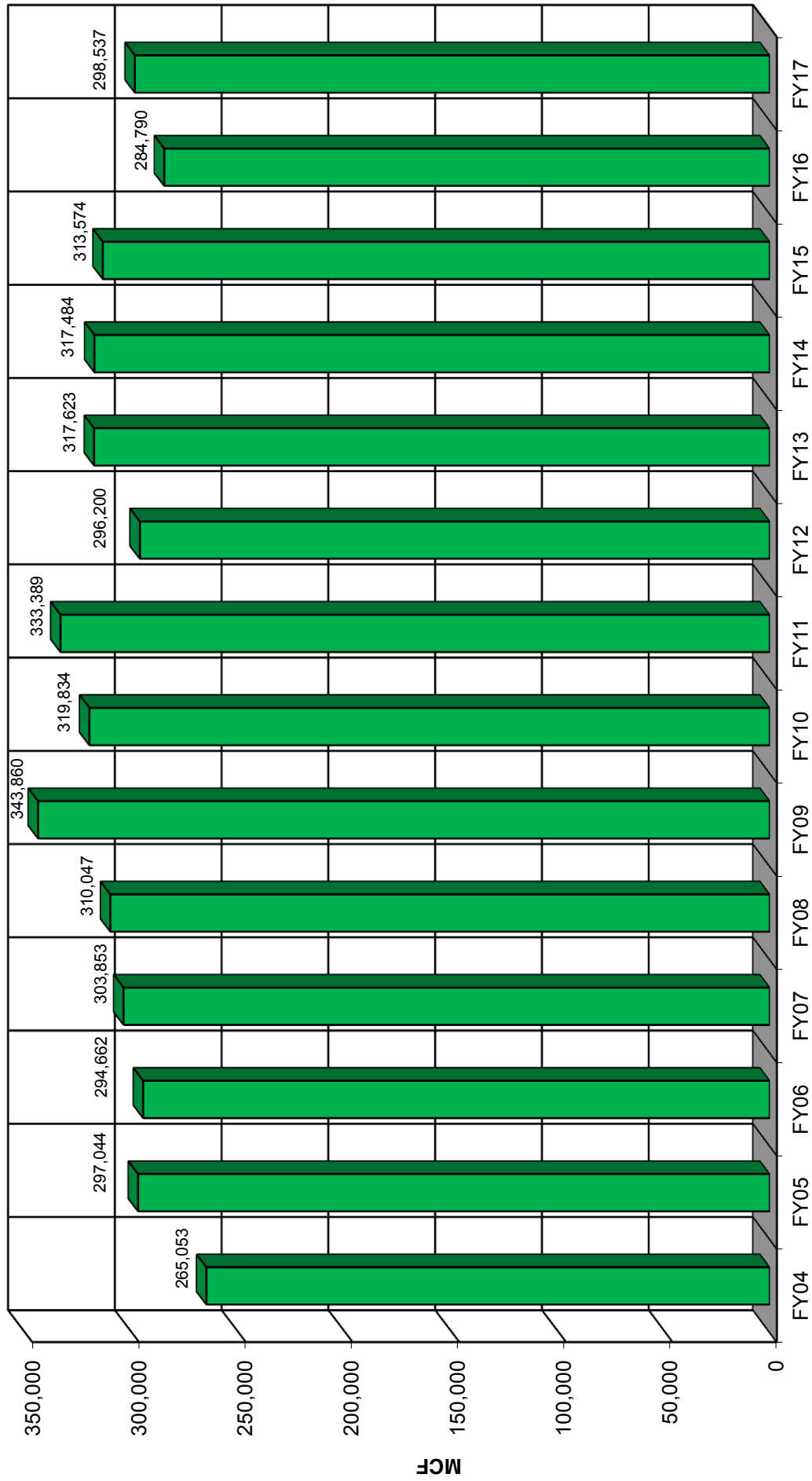
■ COMBINED COAL/GAS

# UT ALL CAMPUSES MONTHLY STEAM PLANT COAL/GAS



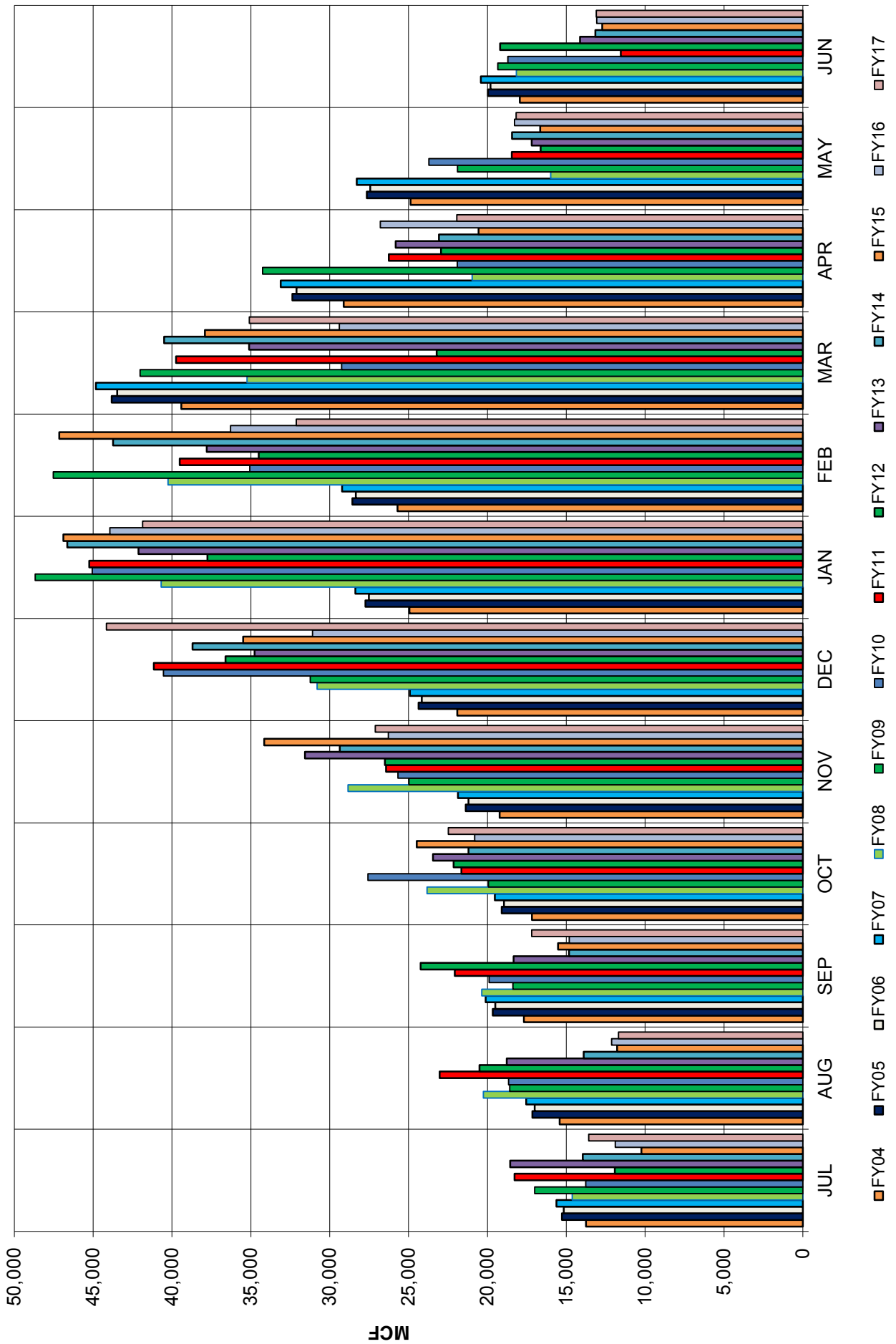


# MAIN CAMPUS YEARLY STEAM PLANT GAS

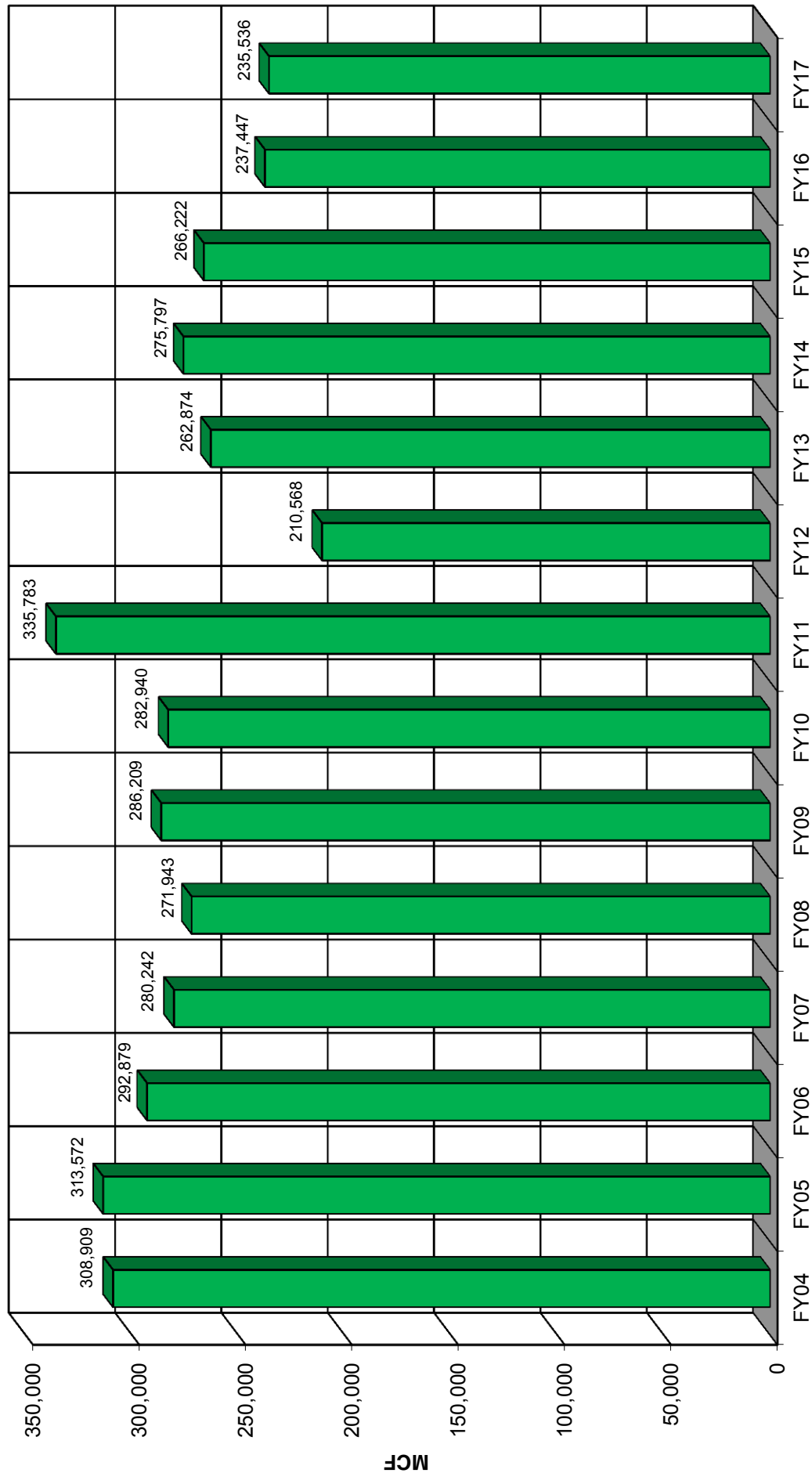


GAS

# MAIN CAMPUS MONTHLY STEAM PLANT GAS

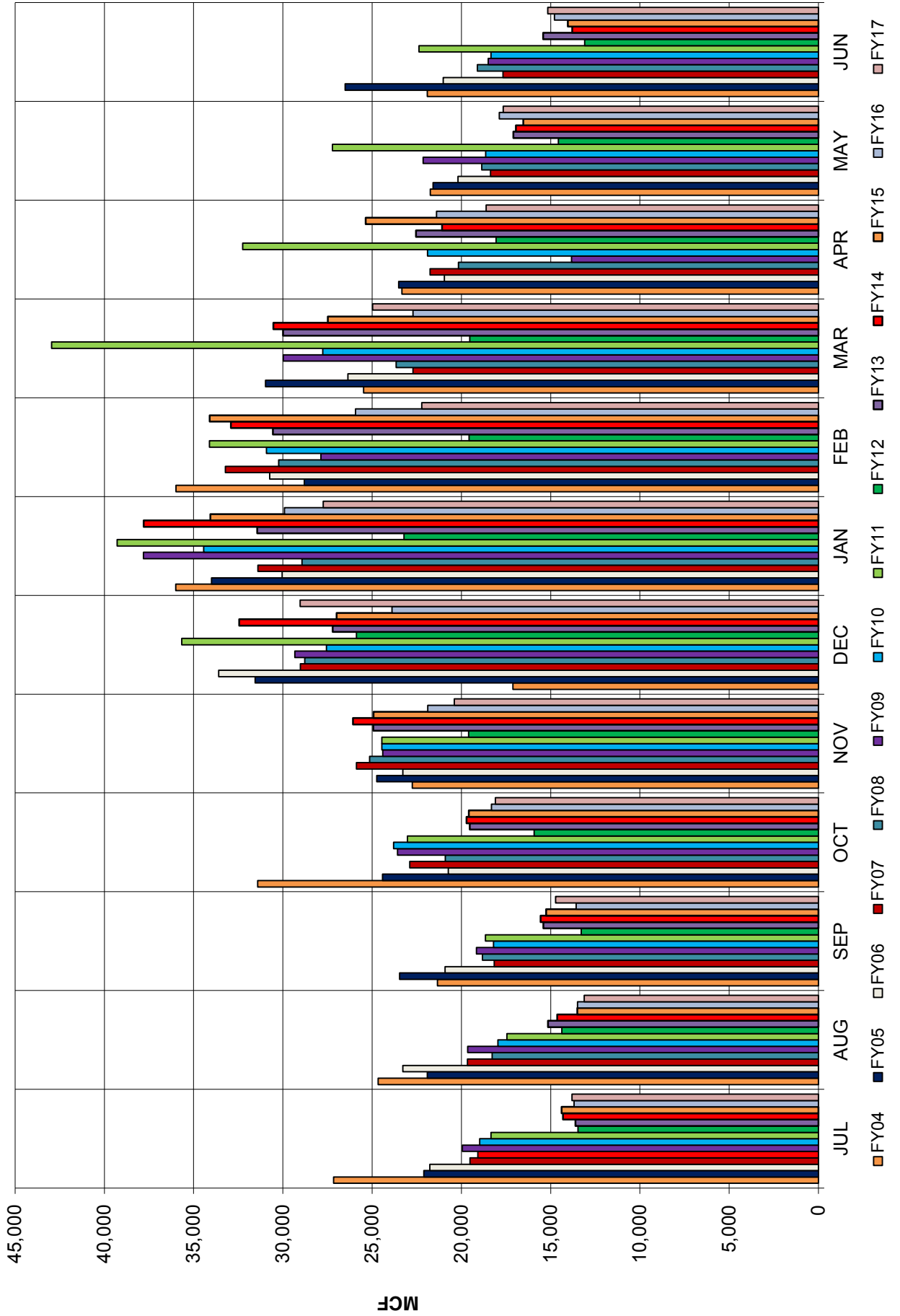


# HEALTH SCIENCE CAMPUS YEARLY POWERHOUSE COAL/GAS

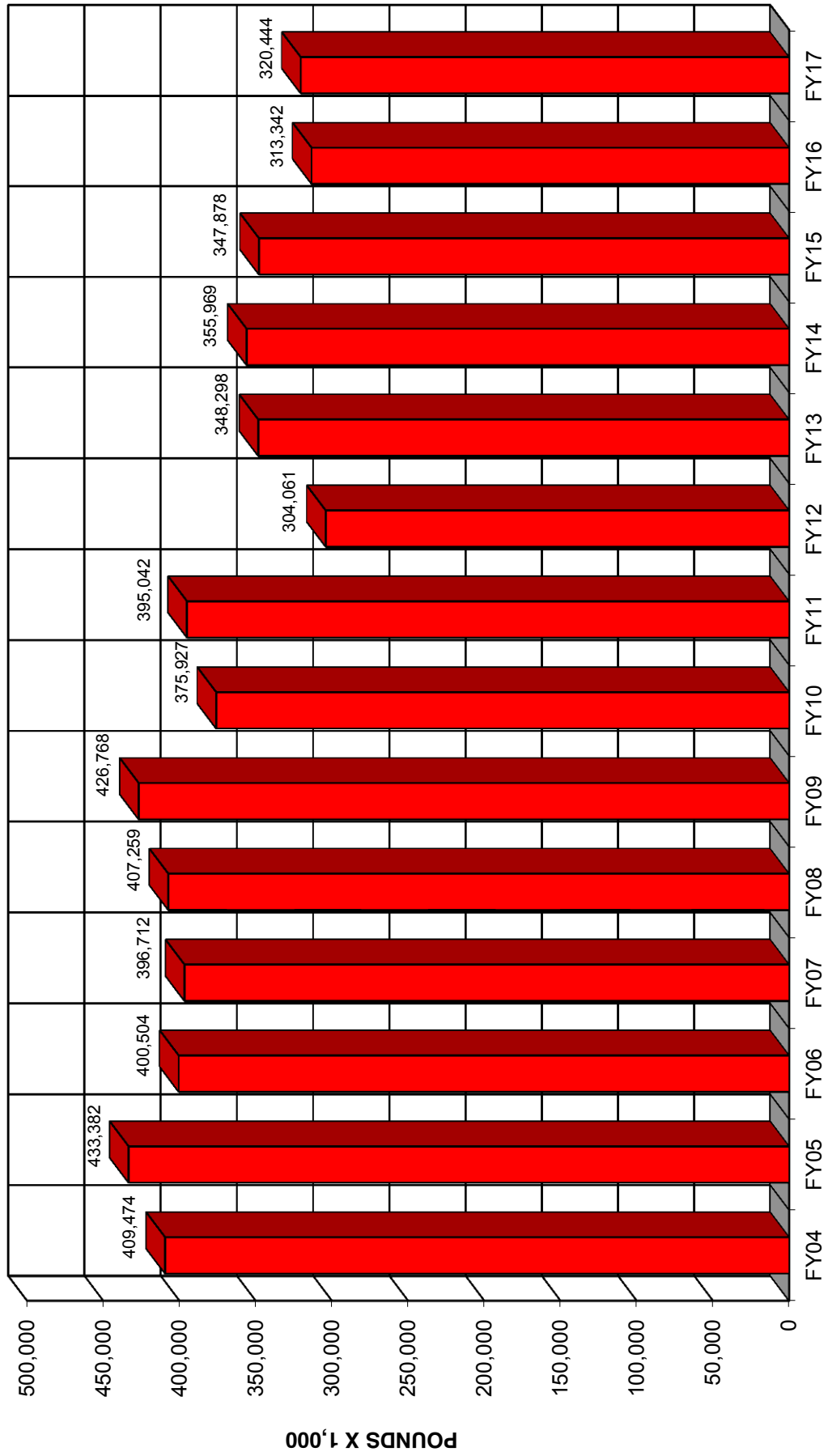


■ COMBINED COAL/GAS

# HEALTH SCIENCE CAMPUS MONTHLY POWERHOUSE COAL/GAS

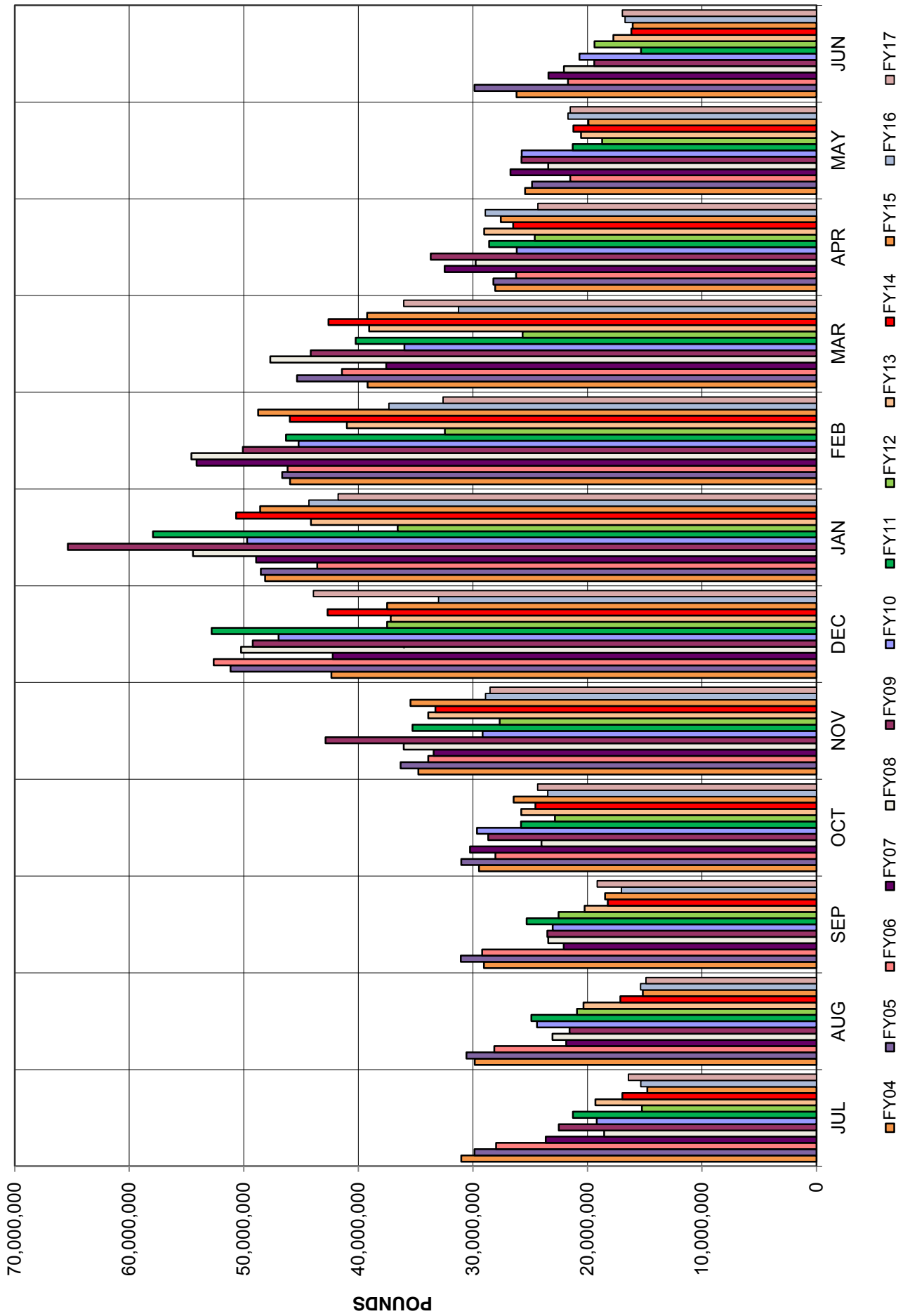


# UT ALL CAMPUSES YEARLY STEAM PRODUCTION

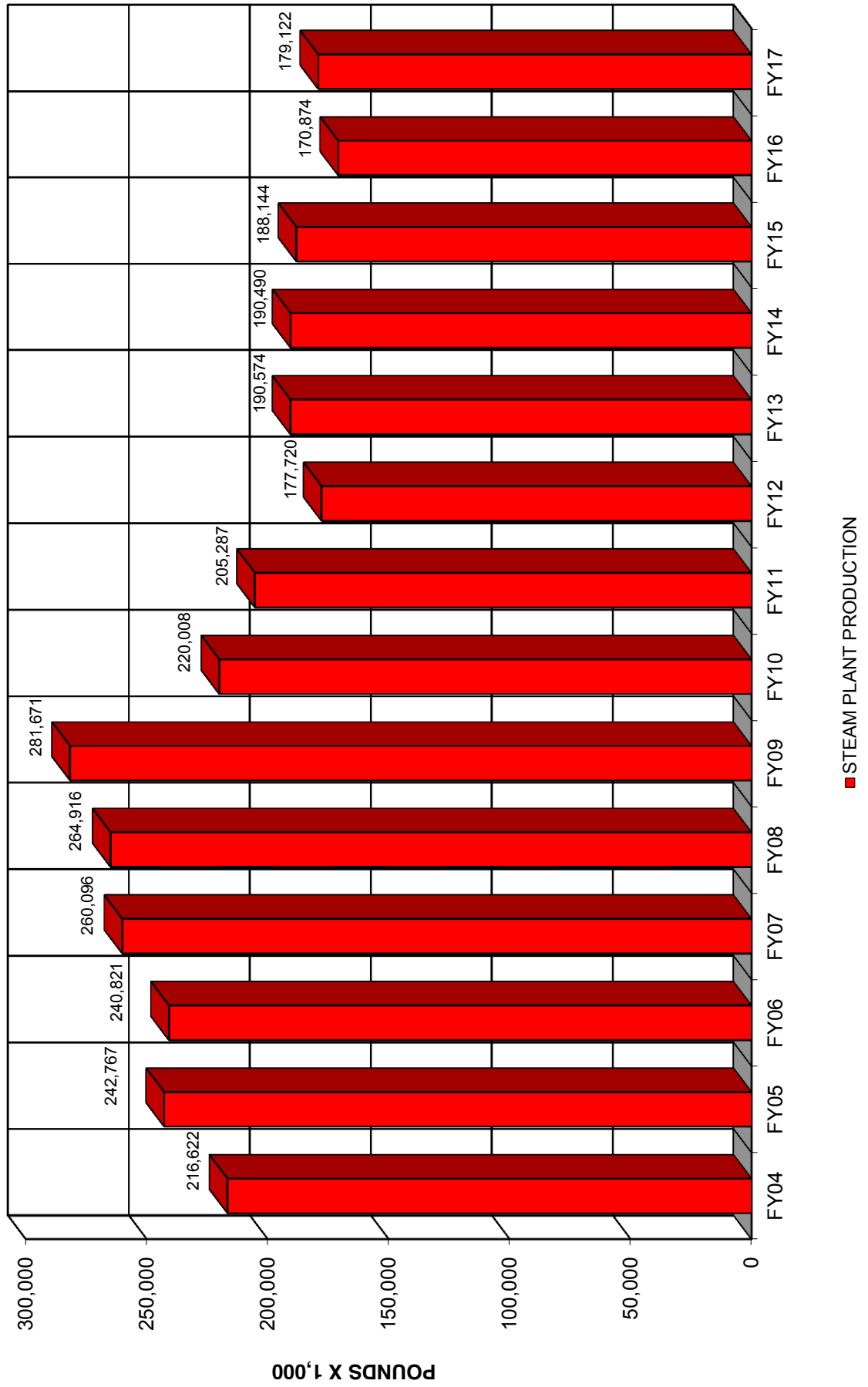


■ STEAM PLANT/POWERHOUSE PRODUCTION

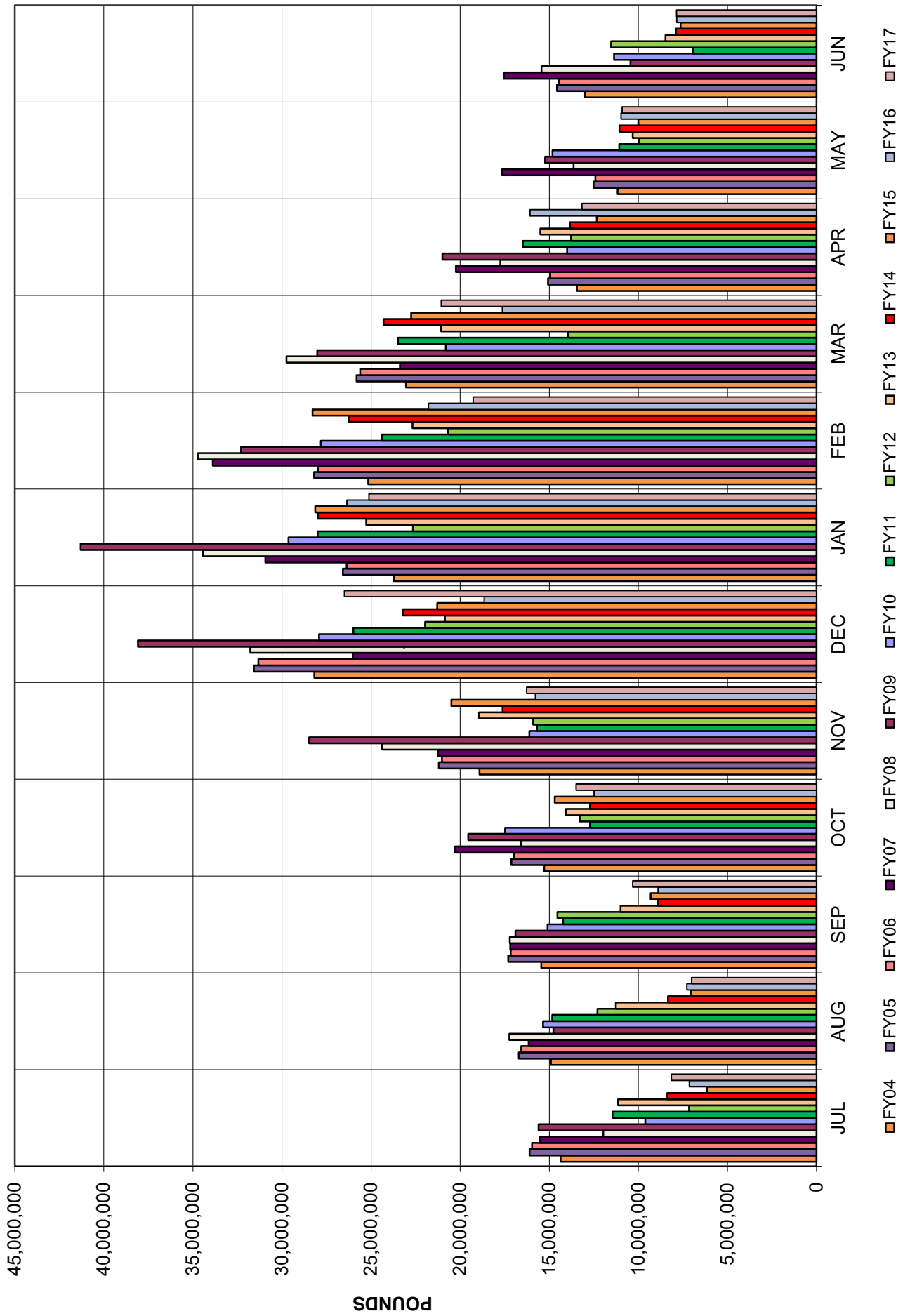
# UT ALL CAMPUSES MONTHLY STEAM PRODUCTION



# MAIN CAMPUS YEARLY STEAM PRODUCTION

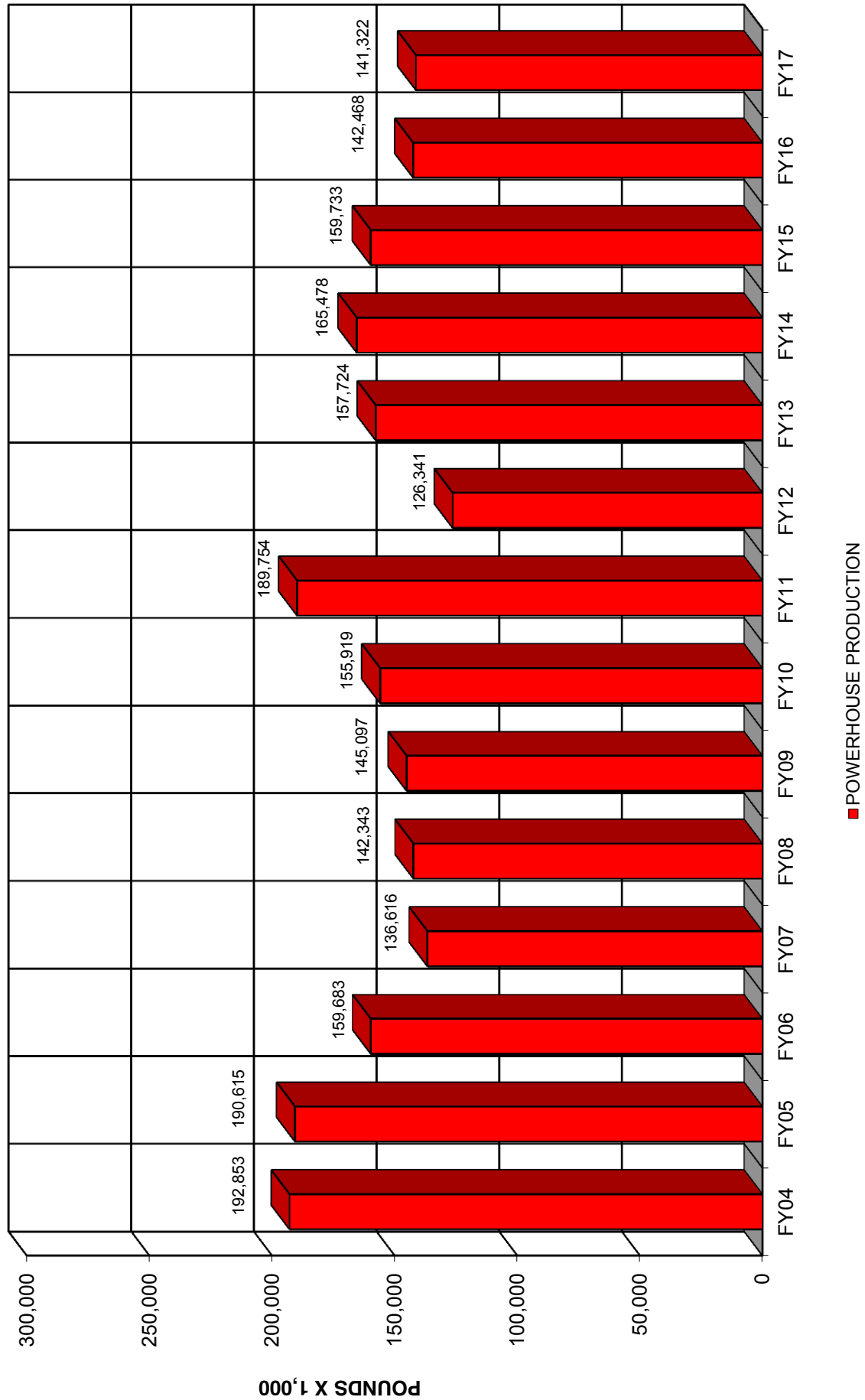


# MAIN CAMPUS MONTHLY STEAM PRODUCTION

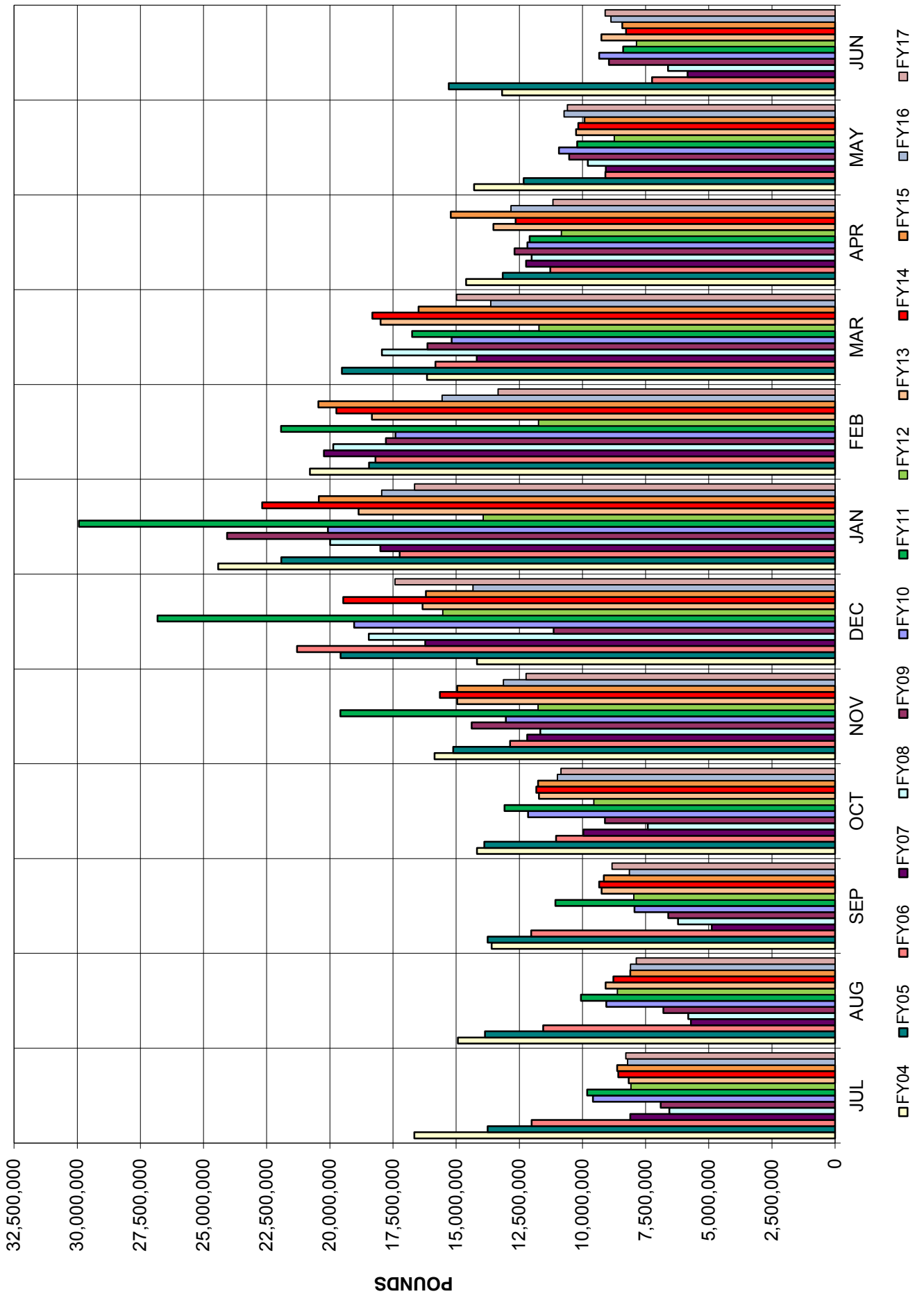




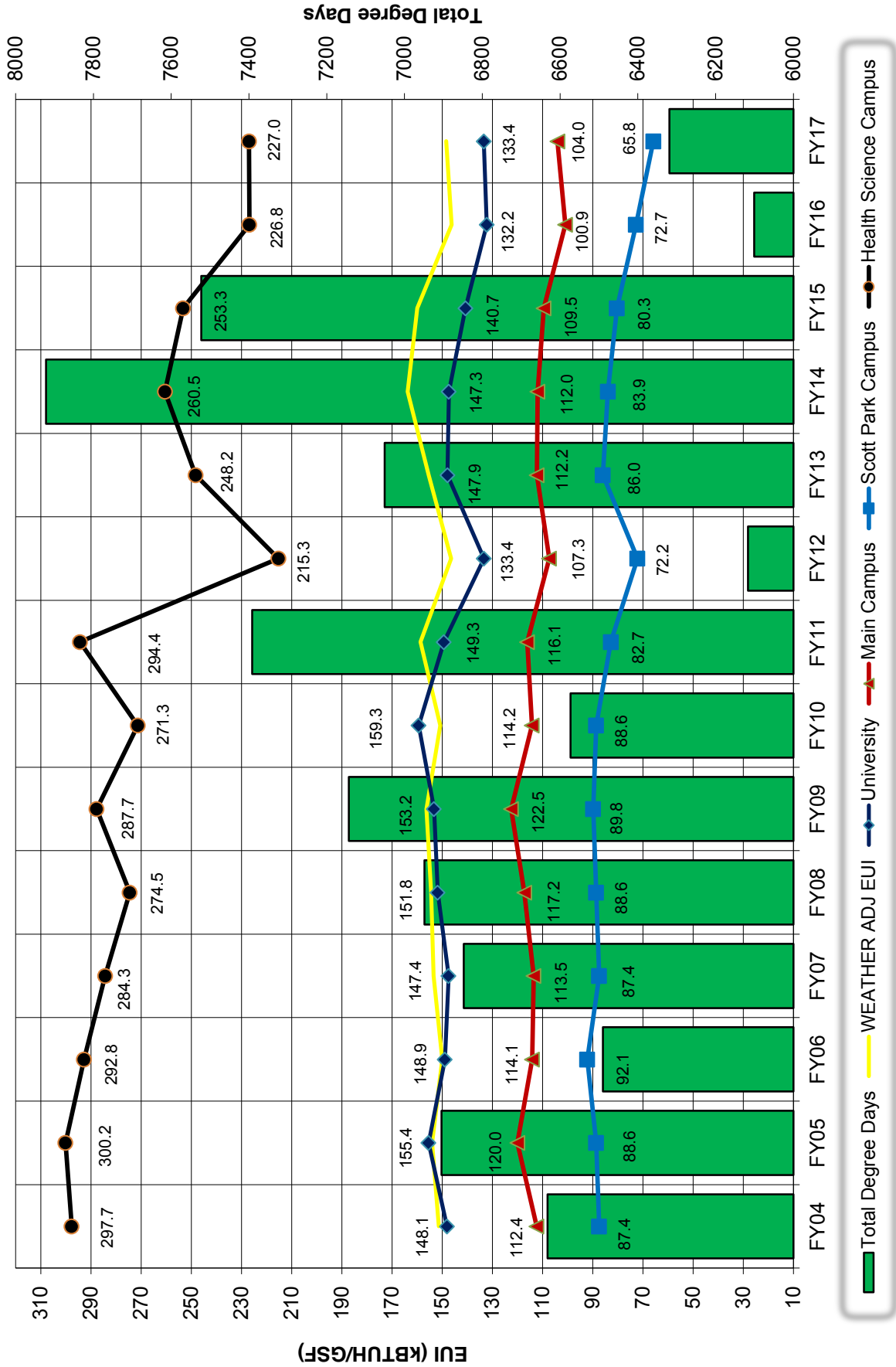
# HEALTH SCIENCE CAMPUS YEARLY STEAM PRODUCTION



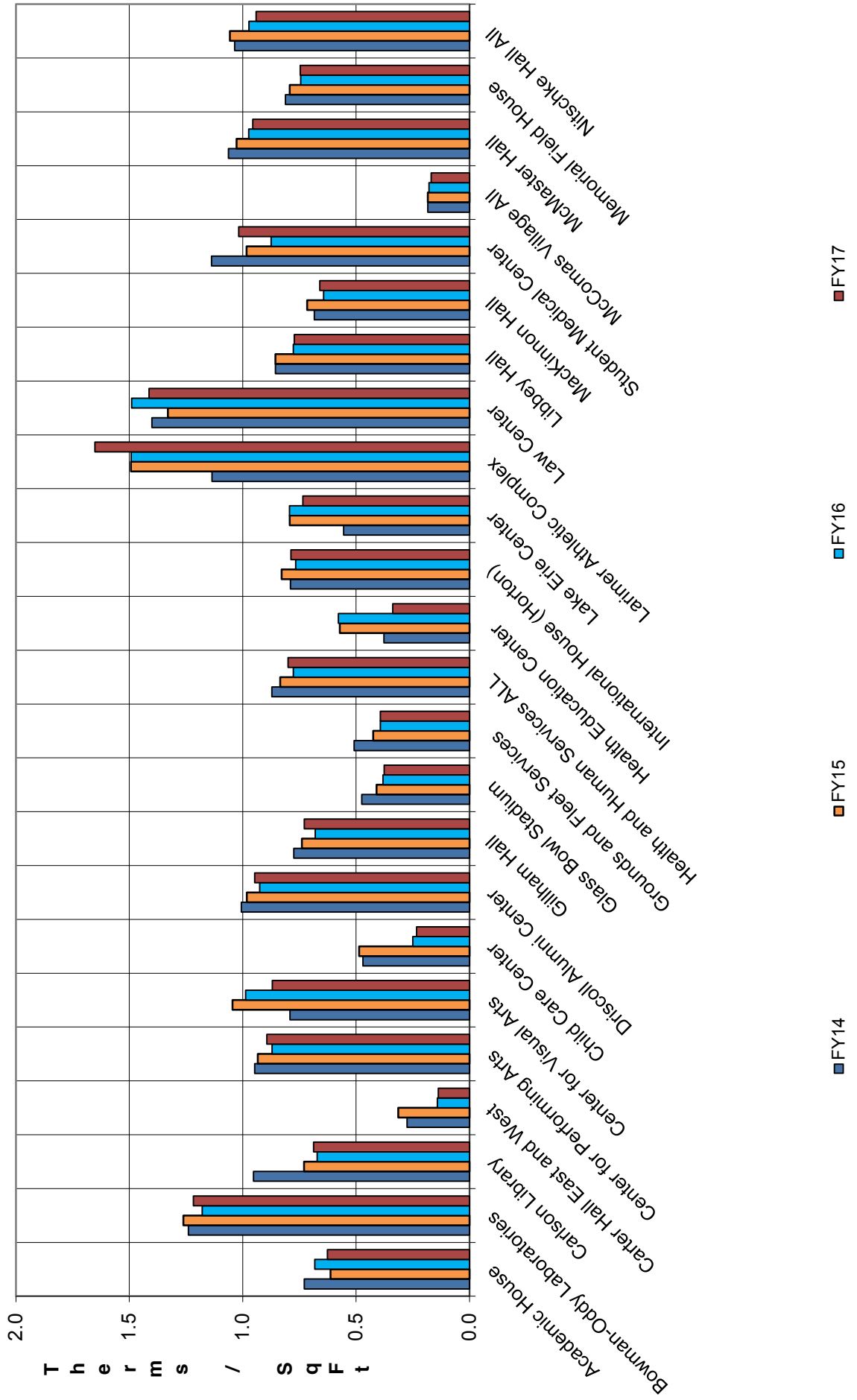
# HEALTH SCIENCE CAMPUS MONTHLY STEAM PRODUCTION



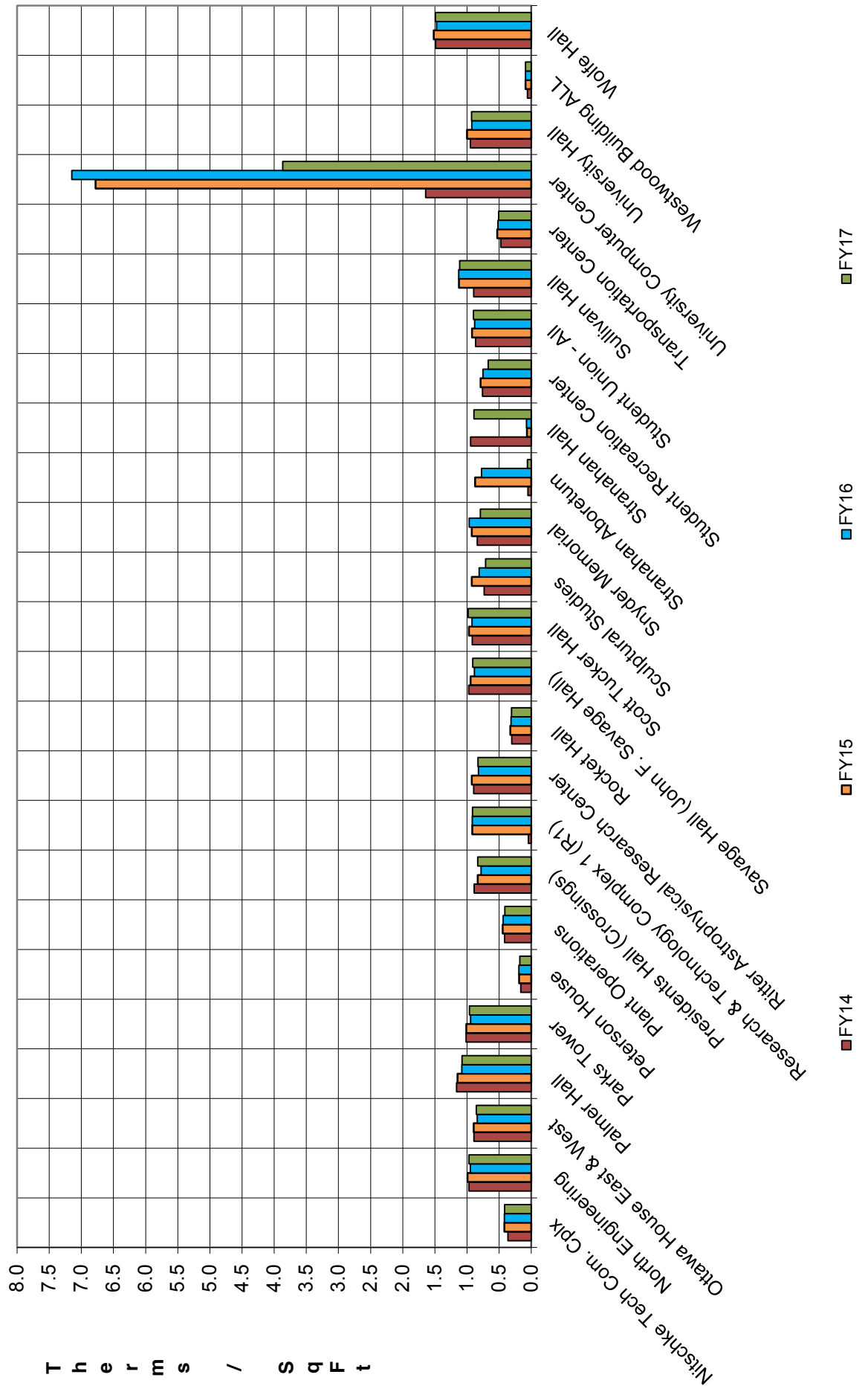
# UT CAMPUS ENERGY UTILIZATION INDEX



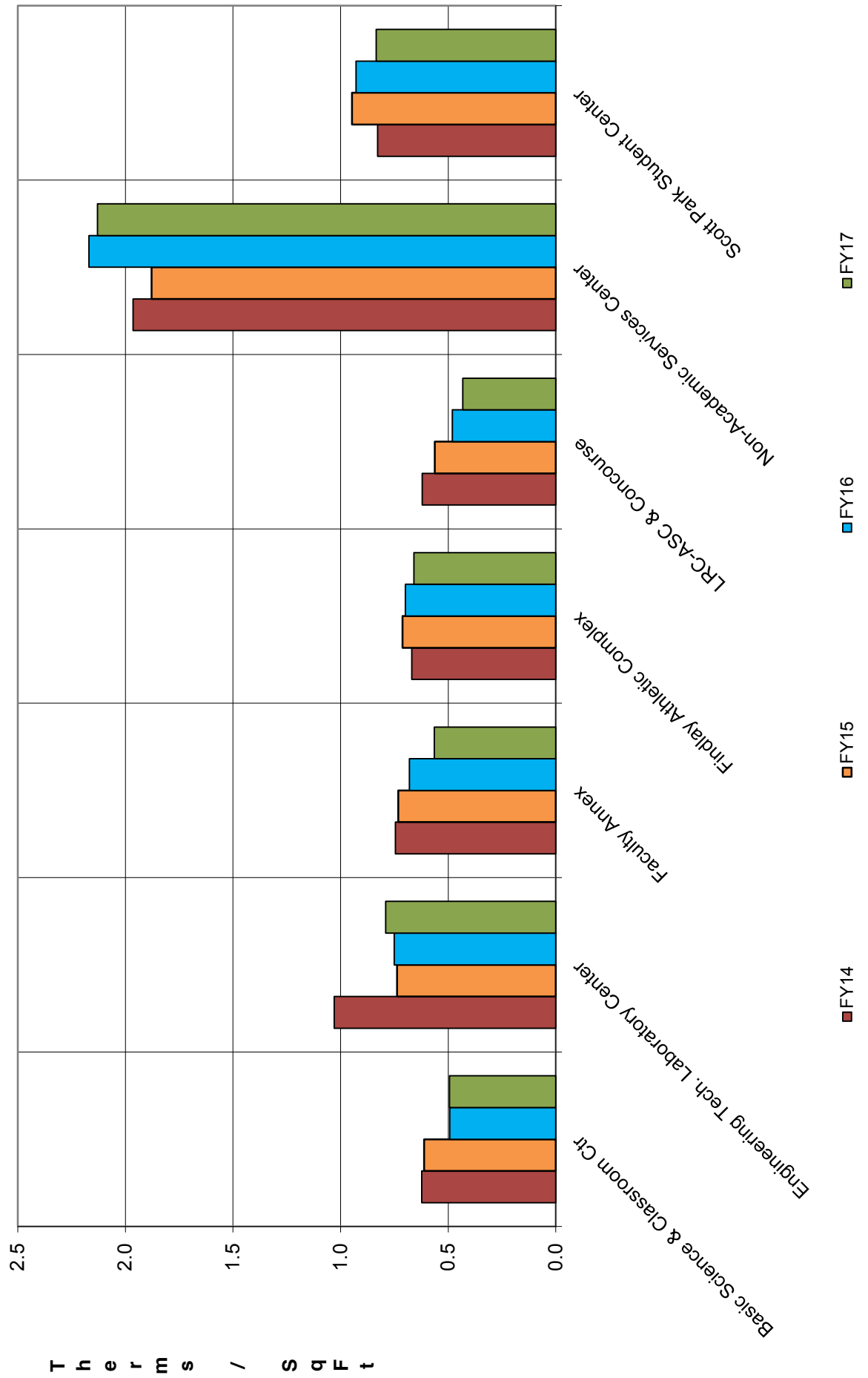
# MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX



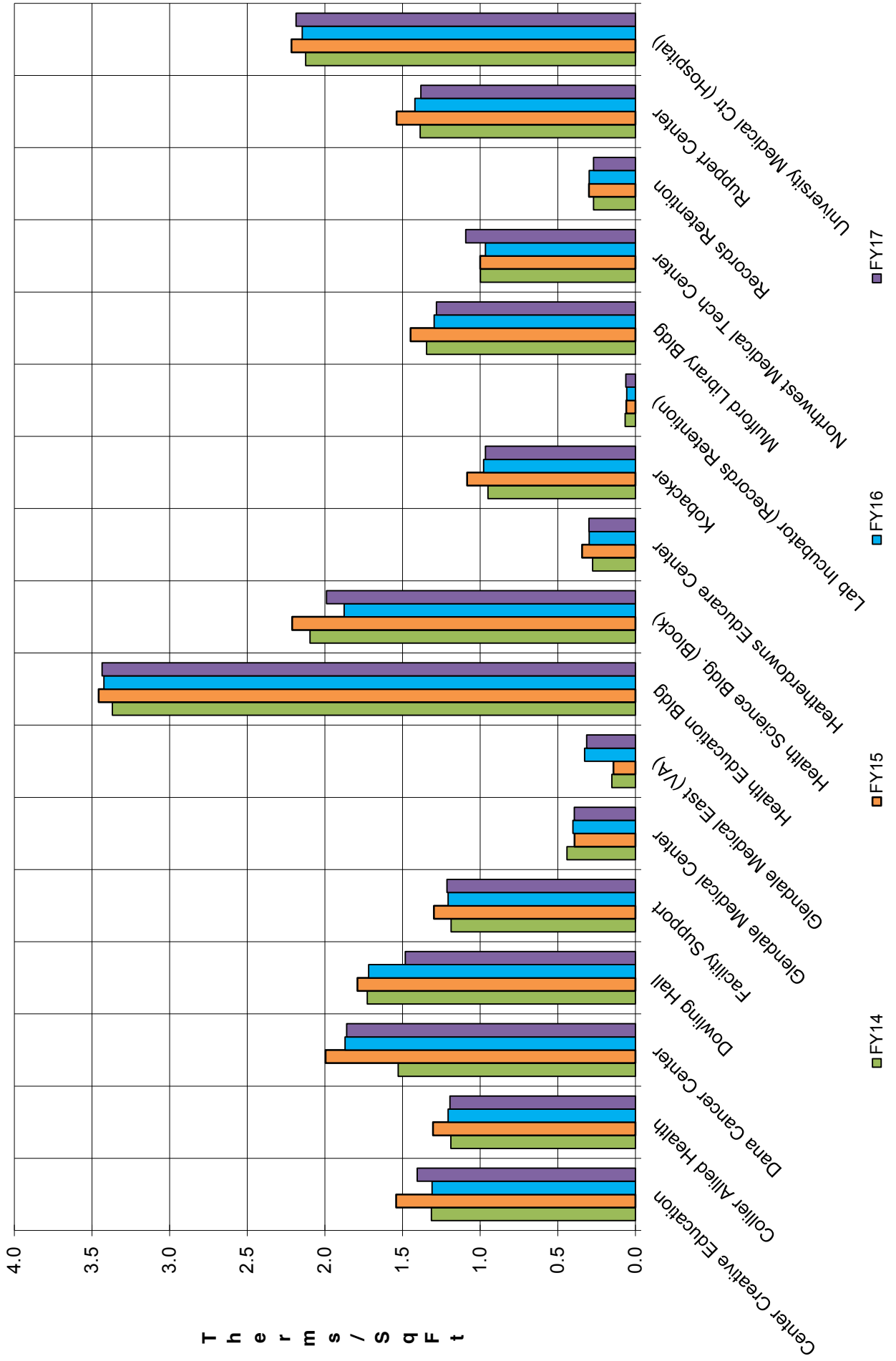
# MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX



# SCOTT PARK CAMPUS BUILDING ENERGY UTILIZATION INDEX



# HEALTH SCIENCE CAMPUS BUILDING ENERGY UTILIZATION INDEX



**UNIVERSITY OF TOLEDO**  
**BUILDING Energy USAGE FISCAL YEAR 2017**

<b>Main Campus</b>	<b>GSF</b>	<b>Electric kWh</b>	<b>Steam Mlbs</b>	<b>Natural Gas MCF</b>	<b>EUI</b>
Academic House	80,603	308,033	3,998	10	0.6265
Bowman-Oddy Laboratories	178,727	3,770,235	8,866	156	1.2169
Carlson Library	256,547	1,438,475	12,726		0.6874
Carter Hall East and West	124,889	364,066		4,608	0.1373
Center for Performing Arts	64,983	756,268	3,224		0.8933
Center for Visual Arts	51,899	1,209,210		3,743	0.8691
Child Care Center	15,941	99,738		297	0.2326
Driscoll Alumni Center	38,675	511,236	1,919		0.9472
Gillham Hall	92,347	628,505	4,581		0.7284
Glass Bowl Stadium	103,578	1,070,185		2,317	0.3756
Grounds and Fleet Services	13,009	119,964		988	0.3926
Health and Human Services (All)	163,006	1,450,611	8,086		0.7998
Health Education Center	79,016	665,125	3,891		0.3378
International House	138,904	1,180,952	6,891	104	0.7870
Lake Erie Center	34,054	641,100		3,070	0.7349
Larimer Athletic Complex	32,139	1,481,405	1,583	635	1.6511
Law Center	125,392	3,366,189	6,220	9	1.4124
Libbey Hall	16,767	133,395	832	87	0.7729
MacKinnon Hall	41,787	200,224	2,073		0.6596
Main Campus Medical Center	12,574	192,080	624		1.0174
McComas Village (All)	124,533	545,411		2,343	0.1688
McMaster Hall	67,194	903,700	3,333		0.9551
Memorial Field House	156,074	1,144,066	7,742		0.7463
Nitschke Hall-Nitschke Aud	132,159	1,721,160	6,556		0.9406
Nitschke Tech Commercialization Cplx	39,961	482,515		87	0.4143
North Engineering	252,894	3,513,359	12,545		0.9702
Ottawa House East & West	271,293	2,740,587	13,458	4,374	0.8574
Palmer Hall	67,040	1,143,583	3,326		1.0783
Parks Tower	166,213	2,258,953	8,245	296	0.9617
Peterson House	4,316	20,300		70	0.1772
Plant Operations	30,861	303,060		2,345	0.4130
Presidents Hall (The Crossings)	228,990	2,249,693	11,359	103	0.8318
Research & Technology Complex 1 (R1)	55,209	1,446,225		1,193	0.9162
Ritter Astrophysical Research Center	15,317	149,178	760		0.8285
Rocket Hall	109,552	902,940		2,697	0.3065
Savage Hall (John F. Savage Hall)	199,380	2,414,728	9,891		0.9094
Scott Tucker Hall	42,710	606,018	2,119		0.9803
Sculptural Studies	7,502	88,500		2,264	0.7120
Snyder Memorial	47,947	417,351	2,378		0.7931
Stranahan Arboretum	7,386	6,521		210	0.0593
Stranahan Hall	121,135	1,409,354	6,009		0.8932
Student Recreation Center	157,446	2,843,330	7,810	20	0.6707
Student Union (All)	221,225	2,554,761	10,974	2,206	0.9004
Sullivan Hall	13,401	242,722	665		1.1142
Transportation Center	19,826	255,039		1,303	0.5064
University Computer Center	32,872	1,921,055	1,631	2,159	3.8672
University Hall	292,633	3,689,502	14,517	467	0.9280
Westwood Building (All)	271,332	537,560		5,961	0.0901
Wolfe Hall	188,501	5,504,978	9,351	10	1.4929
<b>SUB TOTALS</b>	<b>5,009,739</b>	<b>61,603,142</b>	<b>198,183</b>	<b>44,132</b>	



**UNIVERSITY OF TOLEDO**  
**BUILDING Energy USAGE FISCAL YEAR 2017**

	<b>GSF</b>	<b>Electric kWh</b>	<b>Steam Mibs</b>	<b>Natural Gas MCF</b>	<b>EUI</b>
<b>Health Science Campus</b>					
Center Creative Education	88,810	1,378,571	7,778		1.4056
Collier Allied Health	111,363	1,040,607	9,753		1.1947
Dana Cancer Center	43,975	1,267,199	3,851		1.8593
Dowling Hall	247,616	4,402,459	21,686		1.4826
Facility Support	26,932	266,199	2,359		1.2131
Glendale Medical Center	40,516	445,111		714	0.3930
Glendale Medical East (VA)	40,447	323,748		1,641	0.3148
Health Education Bldg	254,875	19,106,576	22,322		3.4343
Health Science Bldg. (Block)	168,764	5,507,490	14,780		1.9896
Heatherdowns Educare Center	36,400	191,335		4,262	0.2994
Kobacker	41,140	107,951	3,603		0.9653
Lab Incubator (Records Retention)	20,533	36,839			0.0612
Mulford Library Bldg	137,930	1,642,770	12,080		1.2823
Northwest Medical Tech Center	38,614	1,155,490		2,691	1.0927
Records Retention	32,086	232,420		704	0.2697
Ruppert Center	114,126	1,691,670	9,995		1.3817
University Medical Ctr (Hospital)	378,123	14,511,301	33,116		2.1856
<b>SUB TOTALS</b>	<b>1,822,250</b>	<b>53,307,736</b>	<b>141,322</b>	<b>10,012</b>	
<b>Scott Park Campus</b>					
Basic Science-Allied Health-Classrm Ctr	77,096	1,115,390			0.4938
Engineering Technology Laboratory Center	24,812	575,140			0.7911
Faculty Annex	8,895	147,060			0.5643
Findlay Athletic Complex	6,593	100,118		906	0.6591
Learning Resource Ctr-Acad Services Ctr	127,430	1,615,800			0.4328
Non-Academic Services Center	14,881	928,554			2.1297
Scott Park Student Center	30,601	748,250			0.8345
<b>SUB TOTALS</b>	<b>290,308</b>	<b>5,230,312</b>		<b>906</b>	
<b>GRAND TOTALS</b>	<b>7,122,297</b>	<b>120,141,190</b>	<b>339,505</b>	<b>55,049</b>	

**UNIVERSITY OF TOLEDO**  
**BUILDING Utility COST FISCAL YEAR 2017**

<b>Main Campus</b>	<b>Electric</b>	<b>Steam</b>	<b>Natural Gas</b>	<b>Water</b>	<b>Total</b>
Academic House	\$22,451	\$30,912	\$46	\$7,392	\$60,800
Bowman-Oddy Laboratories	\$276,428	\$68,543	\$605	\$57,796	\$403,371
Carlson Library	\$105,416	\$98,387		\$33,321	\$237,123
Carter Hall East and West	\$26,743		\$17,889	\$6,171	\$50,803
Center for Performing Arts	\$55,401	\$24,921		\$9,938	\$90,260
Center for Visual Arts	\$92,715		\$18,637	\$26,883	\$138,235
Child Care Center	\$7,291		\$2,867	\$3,432	\$13,590
Driscoll Alumni Center	\$37,408	\$14,832		\$19,795	\$72,035
Gillham Hall	\$45,925	\$35,415		\$4,430	\$85,771
Glass Bowl Stadium	\$77,742		\$8,924	\$11,085	\$97,750
Grounds and Fleet Services	\$8,739		\$5,386	\$953	\$15,077
Health and Human Services (All)	\$106,376	\$62,514		\$21,356	\$190,246
Health Education Center	\$48,595	\$30,081		\$34,626	\$113,302
International House	\$86,317	\$53,270	\$860	\$41,011	\$181,458
Lake Erie Center	\$61,546		\$15,756	\$2,963	\$80,264
Larimer Athletic Complex	\$109,331	\$12,235	\$2,508	\$14,191	\$138,265
Law Center	\$246,766	\$48,088	\$325	\$8,482	\$303,662
Libbey Hall	\$9,773	\$6,430	\$786	\$1,746	\$18,734
MacKinnon Hall	\$14,661	\$16,025		\$9,120	\$39,807
Main Campus Medical Center	\$14,032	\$4,822		\$5,570	\$24,425
McComas Village (All)	\$39,808		\$17,196	\$43,092	\$100,095
McMaster Hall	\$66,206	\$25,769		\$3,223	\$95,199
Memorial Field House	\$83,891	\$59,855		\$67,474	\$211,220
Nitschke Hall-Nitschke Aud	\$125,778	\$50,684		\$25,290	\$201,752
Nitschke Tech Commercialization Cplx	\$35,448		\$741	\$8,099	\$44,288
North Engineering	\$257,399	\$96,986		\$156,299	\$510,684
Ottawa House East & West	\$200,247	\$104,042	\$31,137	\$84,553	\$419,980
Palmer Hall	\$83,632	\$25,710	\$14,623	\$12,829	\$136,794
Parks Tower	\$165,293	\$63,743	\$1,261	\$87,050	\$317,347
Peterson House	\$2,456		\$522	\$457	\$3,435
Plant Operations	\$22,090		\$12,777	\$2,261	\$37,128
Presidents Hall (The Crossings)	\$164,007	\$87,819	\$398	\$71,939	\$324,162
Research & Technology Complex 1 (R1)	\$105,916		\$4,772	\$5,068	\$115,756
Ritter Astrophysical Research Center	\$10,913	\$5,874		\$735	\$17,522
Rocket Hall	\$66,148		\$14,210	\$16,051	\$96,410
Savage Hall (John F. Savage Hall)	\$176,491	\$76,463		\$15,966	\$268,920
Scott Tucker Hall	\$44,640	\$16,379		\$7,436	\$68,455
Sculptural Studies	\$11,417		\$12,104	\$8,270	\$31,791
Snyder Memorial	\$30,631	\$18,388		\$2,300	\$51,319
Stranahan Arboretum	\$913		\$1,357	\$880	\$3,150
Stranahan Hall	\$103,175	\$46,456		\$5,811	\$155,441
Student Recreation Center	\$208,341	\$60,381	\$80	\$39,486	\$308,289
Student Union (All)	\$187,202	\$84,841	\$8,508	\$147,844	\$428,395
Sullivan Hall	\$17,744	\$5,139		\$1,229	\$24,112
Transportation Center	\$18,623		\$4,971	\$2,819	\$26,413
University Computer Center	\$140,806	\$12,607	\$9,022	\$9,981	\$172,416
University Hall	\$269,365	\$112,226	\$1,819	\$14,038	\$397,448
Westwood Building (All)	\$49,456		\$33,103	\$6,188	\$88,746
Wolfe Hall	\$402,977	\$72,291	\$348	\$48,870	\$524,486
<b>SUB TOTALS</b>	<b>\$4,544,668</b>	<b>\$1,532,129</b>	<b>\$243,537</b>	<b>\$1,215,797</b>	<b>\$7,536,130</b>

**UNIVERSITY OF TOLEDO**  
**BUILDING Utility COST FISCAL YEAR 2017**

<b>Health Science Campus</b>	<b>Electric</b>	<b>Steam</b>	<b>Natural Gas</b>	<b>Water</b>	<b>Total</b>
Center Creative Education	\$102,597	\$59,600		\$8,215	\$170,411
Collier Allied Health	\$77,549	\$74,735		\$25,718	\$178,002
Dana Cancer Center	\$94,452	\$29,511		\$6,838	\$130,800
Dowling Hall	\$331,518	\$166,173		\$40,650	\$538,341
Facility Support	\$19,698	\$18,074		\$4,269	\$42,041
Glendale Medical Center	\$32,967		\$3,664	\$11,495	\$48,126
Glendale Medical East (VA)	\$23,997		\$8,585	\$4,354	\$36,936
Health Education Bldg	\$1,414,944	\$171,044		\$126,790	\$1,712,779
Health Science Bldg. (Block)	\$406,647	\$113,256		\$147,086	\$666,989
Heatherdowns Educare Center	\$23,465		\$20,516	\$8,490	\$52,471
Kobacker	\$8,052	\$27,609		\$14,483	\$50,144
Lab Incubator (Records Retention)	\$2,755		\$1,566	\$1,570	\$5,891
Mulford Library Bldg	\$122,496	\$92,563		\$2,124	\$217,183
Northwest Medical Tech Center	\$85,484		\$14,117	\$7,511	\$107,113
Records Retention	\$17,198		\$3,287	\$2,068	\$22,553
Ruppert Center	\$124,713	\$76,589		\$23,093	\$224,395
University Medical Ctr (Hospital)	\$1,074,367	\$253,755		\$308,588	\$1,636,710
<b>SUB TOTALS</b>	<b>\$3,962,898</b>	<b>\$1,082,907</b>	<b>\$51,735</b>	<b>\$743,344</b>	<b>\$5,840,884</b>
<b>Scott Park Campus</b>					
Basic Science-Allied Health-Classrm Ctr	\$134,604			\$11,382	\$145,986
Engineering Technology Laboratory Center	\$69,641			\$3,663	\$73,304
Faculty Annex	\$17,882			\$1,313	\$19,195
Findlay Athletic Complex	\$12,767		\$6,816	\$6,126	\$25,709
Learning Resource Ctr-Acad Services Ctr	\$194,718			\$18,814	\$213,532
Non-Academic Services Center	\$121,890			\$13,343	\$135,233
Scott Park Student Center	\$91,609			\$5,608	\$97,217
<b>SUB TOTALS</b>	<b>\$643,111</b>		<b>\$6,816</b>	<b>\$60,249</b>	<b>\$710,177</b>
<b>GRAND TOTALS</b>	<b>\$9,150,677</b>	<b>\$2,615,036</b>	<b>\$302,089</b>	<b>\$2,019,390</b>	<b>\$14,087,191</b>

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)	100 cubic feet (Mcf)	Cost per McF
July	1	309	100%	43,609	141	\$0.069	\$3,022	1	0.00	\$7.73	2	\$4.03	\$8
August	0	321	100%	38,389	120	\$0.070	\$2,685	0	0.00	\$7.73	4	\$5.27	\$21
September	38	119	100%	31,369	200	\$0.073	\$2,291	29	0.18	\$7.73	3	\$4.10	\$12
October	305	25	100%	21,424	65	\$0.074	\$1,576	229	0.70	\$7.73	0	\$0.00	\$0
November	580	4	100%	17,502	30	\$0.071	\$1,247	436	0.75	\$7.73	0	\$0.00	\$0
December	1158	0	100%	25,043	22	\$0.068	\$1,709	871	0.75	\$7.73	0	\$0.00	\$0
1st half yr	2082	778		177,336	62	\$0.071	\$12,528	1,566	0.55	\$7.73	9	\$4.61	\$41
January	1,032	0	100%	17,635	17	\$0.072	\$1,264	776	0.75	\$7.73	0	\$0.00	\$0
February	731	0	100%	15,508	21	\$0.074	\$1,144	550	0.75	\$7.73	0	\$0.00	\$0
March	872	0	100%	23,002	26	\$0.072	\$1,661	656	0.75	\$7.73	0	\$0.00	\$0
April	338	8	100%	18,250	53	\$0.080	\$1,469	254	0.73	\$7.73	0	\$0.00	\$0
May	239	37	100%	22,937	83	\$0.079	\$1,802	180	0.65	\$7.73	0	\$0.00	\$0
June	21	181	100%	33,365	165	\$0.077	\$2,583	16	0.08	\$7.73	1	\$4.21	\$4
2nd half yr	3233	226		130,697	38	\$0.076	\$9,923	2,432	0.70	\$7.73	1	\$4.21	\$4
TOTAL/YEAR	5315	1004		308,033	49	\$0.073	\$22,451	3,998	0.63	\$7.73	10	\$4.57	\$46

Building Data:	1991	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	80,603	Electricity = KWH X 3413	1,051,317
Gross Volume (ft)3	644,824	Steam = M (lbs) X 1,000,000	3,998,454
General Notes:		Natural Gas = MCF X 102,500	1,025
		Other Fuel	0
		TOTAL BTU's x 1,000	5,049,771
CHILLED WATER COST/YEAR	\$9,794		
ENERGY COST / SQ. FT. / YEAR	\$0.78		
WATER COST TOTAL/YEAR	\$7,392		
WATER / SQ. FT. / YEAR	\$0.09		
UTILITY COST/YEAR	\$70,594		

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{5,049,770,884}{80,603}$$

$$\text{Divided by 100,000} = 0.6265 \text{ THERMS}$$

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)	100 cubic feet (Mcf)	Cost per McF	TOTAL
July	1	309	100%	308,548	995	\$0.069	\$21,380	2	0.01	\$7.73	1	\$4.03	\$4	\$21,397
August	0	321	100%	270,831	844	\$0.070	\$18,940	0	0.00	\$7.73	0	\$0.00	\$0	\$18,940
September	38	119	100%	325,853	2,075	\$0.073	\$23,797	63	0.40	\$7.73	0	\$0.00	\$0	\$24,287
October	305	25	100%	318,578	965	\$0.074	\$23,433	509	1.54	\$7.73	1	\$3.99	\$4	\$27,370
November	580	4	100%	308,106	528	\$0.071	\$21,943	968	1.66	\$7.73	3	\$3.71	\$11	\$29,434
December	1158	0	100%	325,676	281	\$0.068	\$22,219	1,932	1.67	\$7.73	32	\$3.70	\$118	\$37,271
1st half yr	2082	778		1,857,592	650	\$0.071	\$131,712	3,473	1.21	\$7.73	37	\$3.71	\$137	\$158,699
January	1032	0	100%	324,098	314	\$0.072	\$23,236	1,722	1.67	\$7.73	37	\$3.75	\$139	\$36,683
February	731	0	100%	294,765	403	\$0.074	\$21,743	1,219	1.67	\$7.73	36	\$3.82	\$137	\$31,307
March	872	0	100%	338,874	389	\$0.072	\$24,474	1,455	1.67	\$7.73	24	\$4.21	\$101	\$35,820
April	338	8	100%	311,138	899	\$0.080	\$25,040	564	1.63	\$7.73	20	\$4.15	\$83	\$29,482
May	239	37	100%	336,633	1,220	\$0.079	\$26,442	399	1.44	\$7.73	1	\$2.92	\$3	\$29,528
June	21	181	100%	307,136	1,520	\$0.077	\$23,780	35	0.17	\$7.73	1	\$4.21	\$4	\$24,055
2nd half yr	3233	226		1,912,643	553	\$0.076	\$144,715	5,393	1.56	\$7.73	119	\$3.93	\$467	\$186,876
<b>TOTAL/YEAR</b>	<b>5315</b>	<b>1004</b>		<b>3,770,235</b>	<b>597</b>	<b>\$0.073</b>	<b>\$276,428</b>	<b>8,866</b>	<b>1.40</b>	<b>\$7.73</b>	<b>156</b>	<b>\$3.88</b>	<b>\$605</b>	<b>\$345,575</b>

Building Data: 1966 Energy Consumption to BTU Conversions

Gross Area (ft)2 178,727 Electricity = KWH X 3413 BTU's x 1,000  
 12,867,811

Gross Volume (ft)3 1,429,816 Steam = M (lbs) X 1,000,000 8,866,069  
 Natural Gas = MCF X 102,500 15,990  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 21,749,869,368  
 Divided by 100,000 = 216.989  
 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.93  
 WATER COST TOTAL/YEAR \$57,796  
 WATER / SQ. FT. / YEAR \$0.32  
 UTILITY COST/YEAR \$403.371

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	83,714	762	\$0.069	\$5,801	2	0.01	\$7.73	0	\$4.50	\$0
August	0	321	100%	132,721	872	\$0.070	\$9,282	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	135,608	1,527	\$0.073	\$9,904	91	0.58	\$7.73	0	\$4.50	\$0
October	305	25	100%	131,925	840	\$0.074	\$9,704	730	2.21	\$7.73	0	\$4.50	\$0
November	580	4	100%	105,671	356	\$0.071	\$7,526	1,389	2.38	\$7.73	0	\$4.50	\$0
December	1158	0	100%	130,667	188	\$0.068	\$8,915	2,773	2.39	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		720,306	252	\$0.071	\$51,130	4,985	1.74	\$7.73	0	\$4.50	\$0
January	1032	0	100%	117,560	174	\$0.072	\$8,428	2,471	2.39	\$7.73	0	\$4.50	\$0
February	731	0	100%	114,047	232	\$0.074	\$8,413	1,750	2.39	\$7.73	0	\$4.50	\$0
March	872	0	100%	140,706	302	\$0.072	\$10,162	2,088	2.39	\$7.73	0	\$4.50	\$0
April	338	8	100%	125,343	560	\$0.080	\$10,088	809	2.34	\$7.73	0	\$4.50	\$0
May	239	37	100%	108,453	939	\$0.079	\$8,519	572	2.07	\$7.73	0	\$4.50	\$0
June	21	181	100%	112,060	1,197	\$0.077	\$8,676	50	0.25	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		718,169	208	\$0.076	\$54,286	7,741	2.24	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,438,475	228	\$0.073	\$105,416	12,726	2.01	\$7.73	0	\$4.50	\$0

Building Data: 1973 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

256,547

Gross Area (ft)2

4,909,515

Steam = M (lbs) X 1,000,000

2,052,376

Gross Volume (ft)3

12,726,467

Fuel Oil = Gallons X 138,690

0

General Notes:

0

Other Fuel

TOTAL BTU's x 1,000

17,635,982

17,635,982.475

Total BTU Consumption/Yr

17,635,982.475

Energy Utilization Index =

256,547

Gross Area (ft) 2

0.6874

Divided by 100,000 =

0.6874

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.79  
 WATER COST TOTAL/YEAR \$33,321  
 WATER / SQ. FT. / YEAR \$0.13  
 UTILITY COST/YEAR \$237,123

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
July	1	309	100%	14,998	48	\$0.069	\$1,039	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	18,420	57	\$0.070	\$1,288	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	18,775	120	\$0.073	\$1,371	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	20,206	61	\$0.074	\$1,486	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	24,593	42	\$0.071	\$1,752	64	0.11	\$3.71	\$237	0	\$4.50	\$0
December	1158	0	100%	40,532	35	\$0.068	\$2,765	864	0.75	\$3.70	\$3,193	0	\$4.50	\$0
1st half yr	2082	778		137,525	48	\$0.071	\$9,702	928	0.32	\$3.70	\$3,430	0	\$4.50	\$0
January	1032	0	100%	41,352	40	\$0.072	\$2,965	1,058	1.03	\$3.75	\$3,968	0	\$4.50	\$0
February	731	0	100%	41,488	57	\$0.074	\$3,060	1,165	1.59	\$3.82	\$4,445	0	\$4.50	\$0
March	872	0	100%	51,238	59	\$0.072	\$3,700	824	0.94	\$4.21	\$3,472	0	\$4.50	\$0
April	338	8	100%	37,871	109	\$0.080	\$3,048	571	1.65	\$4.15	\$2,372	0	\$4.50	\$0
May	239	37	100%	36,760	133	\$0.079	\$2,887	46	0.17	\$2.92	\$134	0	\$4.50	\$0
June	21	181	100%	17,832	88	\$0.077	\$1,381	16	0.08	\$4.21	\$67	0	\$4.50	\$0
2nd half yr	3233	226		226,541	65	\$0.075	\$17,041	3,680	1.06	\$3.93	\$14,458	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		364,066	58	\$0.073	\$26,743	4,608	0.73	\$3.88	\$17,889	0	\$4.50	\$0

Building Data: 1964

Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000

1,242,557

472,320

0

0

1,714,877

Energy Utilization Index =

Total BTU Consumption/Yr

1,714,876,575

Gross Area (ft) 2

124,889

Divided by 100,000 =

0.1373

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.36

WATER COST TOTAL/YEAR \$6,171

WATER / SQ. FT. / YEAR \$0.05

UTILITY COST/YEAR \$50,803

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	53,837	174	\$0.069	\$3,730	1	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	51,724	161	\$0.070	\$3,617	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	61,774	393	\$0.073	\$4,511	23	0.15	\$7.73	0	\$4.50	\$0
October	305	25	100%	57,945	176	\$0.074	\$4,262	185	0.56	\$7.73	0	\$4.50	\$0
November	580	4	100%	67,164	115	\$0.071	\$4,783	352	0.60	\$7.73	0	\$4.50	\$0
December	1158	0	100%	67,195	58	\$0.068	\$4,584	702	0.61	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		359,639	126	\$0.071	\$25,489	1,263	0.44	\$7.73	0	\$4.50	\$0
January	1032	0	100%	76,485	74	\$0.072	\$5,483	626	0.61	\$7.73	0	\$4.50	\$0
February	731	0	100%	72,886	100	\$0.074	\$5,376	443	0.61	\$7.73	0	\$4.50	\$0
March	872	0	100%	68,732	79	\$0.072	\$4,964	529	0.61	\$7.73	0	\$4.50	\$0
April	338	8	100%	64,687	187	\$0.080	\$5,206	205	0.59	\$7.73	0	\$4.50	\$0
May	239	37	100%	60,551	219	\$0.079	\$4,756	145	0.53	\$7.73	0	\$4.50	\$0
June	21	181	100%	53,289	264	\$0.077	\$4,126	13	0.06	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		396,629	115	\$0.075	\$29,912	1,961	0.57	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		756,268	120	\$0.073	\$55,401	3,224	0.51	\$7.73	0	\$4.50	\$0

Building Data: 1976 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

2,581,143

Steam = M (lbs) X 1,000,000

3,223,597

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

5,804,740

Total BTU Consumption/Yr 5,804,739,918

Gross Area (ft) 2 64,983

Divided by 100,000 =

0.8933

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.24  
 WATER COST TOTAL/YEAR \$9,938  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$90,260



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
July	1	309	100%	129,132	417	\$0.077	\$9,901	15	0.05	\$29.16	\$437	0	\$4.50	\$0
August	0	321	100%	129,132	402	\$0.077	\$9,901	9	0.03	\$46.66	\$420	0	\$4.50	\$0
September	38	119	100%	119,544	761	\$0.077	\$9,166	201	1.28	\$6.06	\$1,218	0	\$4.50	\$0
October	305	25	100%	140,964	427	\$0.077	\$10,808	209	0.63	\$5.83	\$1,218	0	\$4.50	\$0
November	580	4	100%	104,244	179	\$0.077	\$7,993	247	0.42	\$5.28	\$1,304	0	\$4.50	\$0
December	1158	0	100%	91,596	79	\$0.077	\$7,023	363	0.31	\$4.78	\$1,737	0	\$4.50	\$0
1st half yr	2082	778		714,612	250	\$0.077	\$54,792	1,044	0.37	\$6.07	\$6,334	0	\$4.50	\$0
January	1032	0	100%	56,610	55	\$0.077	\$4,341	748	0.72	\$4.16	\$3,111	0	\$4.50	\$0
February	731	0	100%	70,788	97	\$0.077	\$5,428	512	0.70	\$4.47	\$2,289	0	\$4.50	\$0
March	872	0	100%	85,986	99	\$0.077	\$6,593	453	0.52	\$5.01	\$2,267	0	\$4.50	\$0
April	338	8	100%	85,986	249	\$0.077	\$6,593	328	0.95	\$5.12	\$1,680	0	\$4.50	\$0
May	239	37	100%	94,554	343	\$0.077	\$7,250	266	0.96	\$4.10	\$1,090	0	\$4.50	\$0
June	21	181	100%	100,674	498	\$0.077	\$7,719	392	1.94	\$4.76	\$1,866	0	\$4.50	\$0
2nd half yr	3233	226		494,598	143	\$0.077	\$37,923	2,699	0.78	\$4.56	\$12,303	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,209,210	191	\$0.077	\$92,715	3,743	0.59	\$4.98	\$18,637	0	\$4.50	\$0

Building Data: 1991 Energy Consumption to BTU Conversions

BTU's x 1,000

4,127,034

Electricity = KWH X 3413

Energy Utilization Index =

Total BTU Consumption/Yr 4,510,691,230

Gross Area (ft) 2 51,899

Divided by 100,000 = 0.8691 THERMS

Other Fuel

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000 4,510,691

ENERGY COST / SQ. FT. / YEAR \$2.15  
 WATER COST TOTAL/YEAR \$26,883  
 WATER / SQ. FT. / YEAR \$0.52  
 UTILITY COST/YEAR \$138,235

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
July	1	309	100%	6,848	22	\$0.069	\$474	0	0.00	\$0.00	\$84	0	\$4.50	\$0
August	0	321	100%	7,917	25	\$0.070	\$554	1	0.00	\$174.24	\$87	0	\$4.50	\$0
September	38	119	100%	7,998	51	\$0.073	\$584	3	0.02	\$37.83	\$102	0	\$4.50	\$0
October	305	25	100%	9,010	27	\$0.074	\$663	8	0.02	\$17.23	\$138	0	\$4.50	\$0
November	580	4	100%	9,013	15	\$0.071	\$642	49	0.08	\$8.30	\$406	0	\$4.50	\$0
December	1158	0	100%	10,464	9	\$0.068	\$714	86	0.07	\$7.34	\$629	0	\$4.50	\$0
1st half yr	2082	778		51,249	18	\$0.071	\$3,631	146	0.05	\$9.92	\$1,446	0	\$4.50	\$0
January	1032	0	100%	9,118	9	\$0.072	\$654	54	0.05	\$8.00	\$430	0	\$4.50	\$0
February	731	0	100%	7,244	10	\$0.074	\$534	50	0.07	\$8.13	\$406	0	\$4.50	\$0
March	872	0	100%	8,554	10	\$0.072	\$618	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	6,792	20	\$0.080	\$547	45	0.13	\$10.27	\$462	0	\$4.50	\$0
May	239	37	100%	7,839	28	\$0.079	\$616	3	0.01	\$45.52	\$123	0	\$4.50	\$0
June	21	181	100%	8,942	44	\$0.077	\$692	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		48,490	14	\$0.075	\$3,661	151	0.04	\$9.39	\$1,421	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		99,738	16	\$0.073	\$7,291	297	0.05	\$9.65	\$2,867	0	\$4.50	\$0

Building Data:	1996	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	15,941	Electricity = KWH X 3413	340,406
Gross Volume (ft)3	127,528	Natural Gas = MCF X 102,500	30,453
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	370,859
ENERGY COST / SQ. FT. / YEAR	\$0.64		
WATER COST TOTAL/YEAR	\$3,432		
WATER / SQ. FT. / YEAR	\$0.22		
UTILITY COST/YEAR	\$13,590		

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{370,859,227}{15,941} = 23,266 \text{ THERMS}$$

Divided by 100,000 =

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	38,581	124	\$0.069	\$2,673	0	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	42,191	131	\$0.070	\$2,951	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	38,348	244	\$0.073	\$2,801	14	0.09	\$7.73	0	\$4.50	\$0
October	305	25	100%	38,838	118	\$0.074	\$2,857	110	0.33	\$7.73	0	\$4.50	\$0
November	580	4	100%	41,574	71	\$0.071	\$2,961	209	0.36	\$7.73	0	\$4.50	\$0
December	1158	0	100%	46,335	40	\$0.068	\$3,161	418	0.36	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		245,867	86	\$0.071	\$17,403	752	0.26	\$7.73	0	\$4.50	\$0
January	1032	0	100%	47,366	46	\$0.072	\$3,396	373	0.36	\$7.73	0	\$4.50	\$0
February	731	0	100%	51,940	71	\$0.074	\$3,831	264	0.36	\$7.73	0	\$4.50	\$0
March	872	0	100%	48,406	56	\$0.072	\$3,496	315	0.36	\$7.73	0	\$4.50	\$0
April	338	8	100%	42,108	122	\$0.080	\$3,389	122	0.35	\$7.73	0	\$4.50	\$0
May	239	37	100%	38,172	138	\$0.079	\$2,998	86	0.31	\$7.73	0	\$4.50	\$0
June	21	181	100%	37,378	185	\$0.077	\$2,894	8	0.04	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		265,369	77	\$0.075	\$20,004	1,167	0.34	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		511,236	81	\$0.073	\$37,408	1,919	0.30	\$7.73	0	\$4.50	\$0

Building Data: 1977 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Steam = M (lbs) X 1,000,000

Fuel Oil = Gallons X 138,690

1,744,848

1,918,542

0

0

TOTAL BTU's x 1,000

3,663,390

Energy Utilization Index =

Total BTU Consumption/Yr

Gross Area (ft) 2

38,675

Divided by 100,000 =

0.9472

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.35

WATER COST TOTAL/YEAR \$19,795

WATER / SQ. FT. / YEAR \$0.51

UTILITY COST/YEAR \$72,035

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	48,880	158	\$0.069	\$3,387	1	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	58,381	182	\$0.070	\$4,083	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	55,904	356	\$0.073	\$4,083	33	0.21	\$7.73	0	\$4.50	\$0
October	305	25	100%	58,107	176	\$0.074	\$4,274	263	0.80	\$7.73	0	\$4.50	\$0
November	580	4	100%	52,332	90	\$0.071	\$3,727	500	0.86	\$7.73	0	\$4.50	\$0
December	1158	0	100%	54,014	47	\$0.068	\$3,685	998	0.86	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		327,617	115	\$0.071	\$23,239	1,794	0.63	\$7.73	0	\$4.50	\$0
January	1032	0	100%	57,019	55	\$0.072	\$4,088	889	0.86	\$7.73	0	\$4.50	\$0
February	731	0	100%	46,813	64	\$0.074	\$3,453	630	0.86	\$7.73	0	\$4.50	\$0
March	872	0	100%	56,739	65	\$0.072	\$4,098	752	0.86	\$7.73	0	\$4.50	\$0
April	338	8	100%	45,068	130	\$0.080	\$3,627	291	0.84	\$7.73	0	\$4.50	\$0
May	239	37	100%	41,012	158	\$0.079	\$3,221	206	0.75	\$7.73	0	\$4.50	\$0
June	21	181	100%	54,237	196	\$0.077	\$4,199	18	0.09	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		300,887	87	\$0.075	\$22,687	2,787	0.81	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		628,505	99	\$0.073	\$45,925	4,581	0.72	\$7.73	0	\$4.50	\$0

Building Data: 1953 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

92,347

Gross Area (ft)2

Energy Utilization Index =

2,145,086

Steam = M (lbs) X 1,000,000

738,776

Gross Volume (ft)3

6,726,121,988

General Notes:

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

THERMS

Divided by 100,000 =

0.7284

0

TOTAL BTU's x 1,000

6,726,122

92,347

ENERGY COST / SQ. FT. / YEAR \$0.88  
 WATER COST TOTAL/YEAR \$4,430  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$85,771

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
July	1	309	100%	83,519	269	\$0.069	\$5,787	7	0.02	\$4.03	\$28	0	\$4.50	\$0
August	0	321	100%	86,964	271	\$0.070	\$6,082	6	0.02	\$5.27	\$32	0	\$4.50	\$0
September	38	119	100%	113,193	721	\$0.073	\$8,267	9	0.06	\$4.10	\$37	0	\$4.50	\$0
October	305	25	100%	93,499	283	\$0.074	\$6,877	14	0.04	\$3.99	\$56	0	\$4.50	\$0
November	580	4	100%	86,223	148	\$0.071	\$6,141	74	0.13	\$3.71	\$274	0	\$4.50	\$0
December	1158	0	100%	119,939	104	\$0.068	\$8,183	390	0.34	\$3.70	\$1,441	0	\$4.50	\$0
1st half yr	2082	778		583,336	204	\$0.071	\$41,336	500	0.17	\$3.74	\$1,868	0	\$4.50	\$0
January	1032	0	100%	104,518	101	\$0.072	\$7,493	548	0.53	\$3.75	\$2,055	0	\$4.50	\$0
February	731	0	100%	89,606	123	\$0.074	\$6,610	517	0.71	\$3.82	\$1,973	0	\$4.50	\$0
March	872	0	100%	115,954	133	\$0.072	\$8,374	318	0.36	\$4.21	\$1,340	0	\$4.50	\$0
April	338	8	100%	63,033	182	\$0.080	\$5,073	324	0.94	\$4.15	\$1,346	0	\$4.50	\$0
May	239	37	100%	44,022	160	\$0.079	\$3,458	94	0.34	\$2.92	\$274	0	\$4.50	\$0
June	21	181	100%	69,716	345	\$0.077	\$5,398	16	0.08	\$4.21	\$67	0	\$4.50	\$0
2nd half yr	3233	226		486,849	141	\$0.075	\$36,406	1,817	0.53	\$3.88	\$7,055	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,070,185	169	\$0.073	\$77,742	2,317	0.37	\$3.85	\$8,924	0	\$4.50	\$0

Building Data: 1937 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

3,652,541

237,493

0

0

3,890,034

TOTAL BTU's x 1,000

Energy Utilization Index =

Total BTU Consumption/Yr

3,890,033,905

Gross Area (ft) 2

103,578

Divided by 100,000 =

0.3756

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.84  
 WATER COST TOTAL/YEAR \$11,085  
 WATER / SQ. FT. / YEAR \$0.11  
 UTILITY COST/YEAR \$97,750

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
July	1	309	100%	9,563	31	\$0.069	\$663	2	0.01	\$57.07	\$135	0	\$4.50	\$0
August	0	321	100%	11,453	36	\$0.070	\$801	2	0.01	\$58.20	\$138	0	\$4.50	\$0
September	38	119	100%	8,630	55	\$0.073	\$630	3	0.02	\$51.69	\$138	0	\$4.50	\$0
October	305	25	100%	8,517	26	\$0.074	\$626	5	0.02	\$29.33	\$148	0	\$4.50	\$0
November	580	4	100%	8,687	15	\$0.071	\$619	50	0.09	\$6.38	\$318	0	\$4.50	\$0
December	1158	0	100%	12,782	11	\$0.068	\$872	164	0.14	\$4.48	\$737	0	\$4.50	\$0
1st half yr	2082	778		59,631	21	\$0.071	\$4,211	227	0.08	\$7.12	\$1,614	0	\$4.50	\$0
January	1032	0	100%	13,557	13	\$0.072	\$972	268	0.26	\$4.22	\$1,132	0	\$4.50	\$0
February	731	0	100%	10,087	14	\$0.074	\$744	187	0.26	\$4.56	\$850	0	\$4.50	\$0
March	872	0	100%	11,806	14	\$0.072	\$853	153	0.18	\$5.17	\$790	0	\$4.50	\$0
April	338	8	100%	7,930	23	\$0.080	\$638	113	0.33	\$5.33	\$601	0	\$4.50	\$0
May	239	37	100%	7,318	27	\$0.079	\$575	39	0.14	\$6.47	\$255	0	\$4.50	\$0
June	21	181	100%	9,635	48	\$0.077	\$746	2	0.01	\$61.10	\$145	0	\$4.50	\$0
2nd half yr	3233	226		60,333	17	\$0.075	\$4,528	762	0.22	\$4.95	\$3,772	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		119,964	19	\$0.073	\$8,739	988	0.16	\$5.45	\$5,386	0	\$4.50	\$0

Building Data: 1995 Energy Consumption to BTU Conversions

BTU's x 1,000

409,436

Electricity = KWH X 3413

Total BTU Consumption/Yr 510,742,176

Gross Area (ft) 2 13,009

Divided by 100,000 =

0.3926

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.09  
 WATER COST TOTAL/YEAR \$953  
 WATER / SQ. FT. / YEAR \$0.07  
 UTILITY COST/YEAR \$15.077

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
July	1	309	100%	115,490	373	\$0.069	\$8,003	2	0.00	\$7.73	\$12	0	\$0.00	\$8,014
August	0	321	100%	121,355	378	\$0.070	\$8,487	0	0.00	\$7.73	\$0	0	\$0.00	\$8,487
September	38	119	100%	114,692	731	\$0.073	\$8,376	58	0.37	\$7.73	\$447	0	\$0.00	\$8,823
October	305	25	100%	114,224	346	\$0.074	\$8,402	464	1.41	\$7.73	\$3,587	0	\$0.00	\$11,989
November	580	4	100%	117,783	202	\$0.071	\$8,389	882	1.51	\$7.73	\$6,822	0	\$0.00	\$15,210
December	1158	0	100%	120,812	104	\$0.068	\$8,242	1,762	1.52	\$7.73	\$13,620	0	\$0.00	\$21,862
1st half yr	2082	778		704,357	246	\$0.071	\$49,898	3,168	1.11	\$7.73	\$24,488	0	\$0.00	\$74,386
January	1032	0	100%	120,609	117	\$0.072	\$8,647	1,570	1.52	\$7.73	\$12,138	0	\$0.00	\$20,785
February	731	0	100%	122,812	168	\$0.074	\$9,059	1,112	1.52	\$7.73	\$8,598	0	\$0.00	\$17,657
March	872	0	100%	133,935	154	\$0.072	\$9,673	1,327	1.52	\$7.73	\$10,256	0	\$0.00	\$19,929
April	338	8	100%	131,839	381	\$0.080	\$10,610	514	1.49	\$7.73	\$3,975	0	\$0.00	\$14,586
May	239	37	100%	120,015	435	\$0.079	\$9,427	364	1.32	\$7.73	\$2,811	0	\$0.00	\$12,238
June	21	181	100%	117,044	579	\$0.077	\$9,062	32	0.16	\$7.73	\$247	0	\$0.00	\$9,309
2nd half yr	3233	226		746,254	216	\$0.076	\$56,479	4,919	1.42	\$7.73	\$38,026	0	\$0.00	\$94,504
TOTAL/YEAR	5315	1004		1,450,611	230	\$0.073	\$106,376	8,086	1.28	\$7.73	\$62,514	0	\$0.00	\$168,890

Building Data: 1961 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

163,006

4,950,935

Energy Utilization Index =

8,086,201

Steam = M (lbs) X 1,000,000

1,304,048

13,037,135,693

Total BTU Consumption/Yr

13,037,135,693

0

Natural Gas = MCF X 102,500

0

0

Gross Area (ft) 2

163,006

0

Other Fuel

0

0

THERMS

Divided by 100,000 =

0.7998

13,037,136

TOTAL BTU's x 1,000

\$1.04

\$21,356

WATER COST TOTAL/YEAR

WATER / SQ. FT. / YEAR

UTILITY COST/YEAR

\$190,246

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
July	1	309	100%	50,395	163	\$0.069	\$3,492	0	0.00	\$0.00	\$0	0	\$0.00	\$3,492
August	0	321	100%	55,353	172	\$0.070	\$3,871	0	0.00	\$0.00	\$0	0	\$0.00	\$3,871
September	38	119	100%	54,765	349	\$0.073	\$3,999	0	0.00	\$0.00	\$0	0	\$0.00	\$3,999
October	305	25	100%	56,707	172	\$0.074	\$4,171	225	0.68	\$7.73	\$1,739	0	\$0.00	\$5,910
November	580	4	100%	55,804	96	\$0.071	\$3,974	428	0.73	\$7.73	\$3,307	0	\$0.00	\$7,281
December	1158	0	100%	62,706	54	\$0.068	\$4,278	854	0.74	\$7.73	\$6,602	0	\$0.00	\$10,880
1st half yr	2082	778		335,730	117	\$0.071	\$23,786	1,507	0.53	\$7.73	\$11,648	0	\$0.00	\$35,434
January	1032	0	100%	66,477	64	\$0.072	\$4,766	761	0.74	\$7.73	\$5,884	0	\$0.00	\$10,650
February	731	0	100%	48,413	66	\$0.074	\$3,571	539	0.74	\$7.73	\$4,168	0	\$0.00	\$7,739
March	872	0	100%	63,164	72	\$0.072	\$4,562	643	0.74	\$7.73	\$4,972	0	\$0.00	\$9,533
April	338	8	100%	44,839	130	\$0.080	\$3,609	249	0.72	\$7.73	\$1,927	0	\$0.00	\$5,536
May	239	37	100%	49,055	178	\$0.079	\$3,853	176	0.64	\$7.73	\$1,363	0	\$0.00	\$5,216
June	21	181	100%	57,446	284	\$0.077	\$4,448	15	0.08	\$7.73	\$120	0	\$0.00	\$4,568
2nd half yr	3233	226		329,395	95	\$0.075	\$24,809	2,384	0.69	\$7.73	\$18,433	0	\$0.00	\$43,241
TOTAL/YEAR	5315	1004		665,125	105	\$0.073	\$48,595	3,891	0.62	\$7.73	\$30,081	0	\$0.00	\$78,675

Building Data: 1967 Energy Consumption to BTU Conversions  
 Gross Area (ft)2 79,016 Electricity = KWH X 3413 BTU's x 1,000 2,270,071  
 Gross Volume (ft)3 632,128 Natural Gas = MCF X 102,500 398,824  
 General Notes: Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 2,668,895

Energy Utilization Index =  
 Total BTU Consumption/Yr 2,668,894,661  
 Gross Area (ft) 2 79,016  
 Divided by 100,000 = 0.3378 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.00  
 WATER COST TOTAL/YEAR \$34,626  
 WATER / SQ. FT. / YEAR \$0.44  
 UTILITY COST/YEAR \$113,302



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	1	309	100%	89,659	289	\$0.069	\$6,213	1	0.00	\$7.73	\$10	0	\$844.90	\$84	\$6,307
August	0	321	100%	88,816	277	\$0.070	\$6,211	0	0.00	\$7.73	\$0	10	\$15.41	\$146	\$6,358
September	38	119	100%	112,921	719	\$0.073	\$8,247	49	0.31	\$7.73	\$381	16	\$6.96	\$114	\$8,742
October	305	25	100%	116,217	352	\$0.074	\$8,548	395	1.20	\$7.73	\$3,057	20	\$6.50	\$133	\$11,738
November	580	4	100%	107,109	183	\$0.071	\$7,628	752	1.29	\$7.73	\$5,813	13	\$7.39	\$97	\$13,538
December	1158	0	100%	108,767	94	\$0.068	\$7,421	1,501	1.30	\$7.73	\$11,606	2	\$17.25	\$38	\$19,065
1st half yr	2082	778		623,489	218	\$0.071	\$44,268	2,699	0.94	\$7.73	\$20,867	62	\$9.92	\$612	\$65,747
January	1032	0	100%	96,330	93	\$0.072	\$6,906	1,338	1.30	\$7.73	\$10,343	11	\$0.00	\$0	\$17,250
February	731	0	100%	104,350	143	\$0.074	\$7,697	948	1.30	\$7.73	\$7,327	7	\$7.11	\$48	\$15,071
March	872	0	100%	108,523	124	\$0.072	\$7,838	1,130	1.30	\$7.73	\$8,740	9	\$7.57	\$68	\$16,645
April	338	8	100%	102,265	296	\$0.080	\$8,230	438	1.27	\$7.73	\$3,388	6	\$8.98	\$57	\$11,675
May	239	37	100%	66,278	240	\$0.079	\$5,206	310	1.12	\$7.73	\$2,395	9	\$7.92	\$74	\$7,676
June	21	181	100%	79,716	395	\$0.077	\$6,172	27	0.13	\$7.73	\$210	0	\$0.00	\$0	\$6,383
2nd half yr	3233	226		557,463	161	\$0.075	\$42,050	4,191	1.21	\$7.73	\$32,403	42	\$5.87	\$248	\$74,700
TOTAL/YEAR	5315	1004		1,180,952	187	\$0.073	\$86,317	6,891	1.09	\$7.73	\$53,270	104	\$8.28	\$860	\$140,447

Building Data: 1994  
 Gross Area (ft)2 138,904  
 Gross Volume (ft)3 1,111,232

Energy Consumption to BTU Conversions  
 BTUs x 1,000 4,030,588  
 Electricity = KWH X 3413  
 Steam = M (lbs) X 1,000,000 6,890,578  
 Natural Gas = MCF X 102,500 10,650  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 10,931,816,291  
 Gross Area (ft) 2 138,904  
 Divided by 100,000 = 0.7870 THERMS

CHILLED WATER COST/YEAR \$36,400  
 ENERGY COST / SQ. FT. / YEAR \$1.27  
 WATER COST TOTAL/YEAR \$41,011  
 WATER / SQ. FT. / YEAR \$0.30  
 UTILITY COST/YEAR \$217,858

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
July	1	309	100%	79,400	256	\$0.096	\$7,622	123	0.40	\$6.65	\$819	0	\$4.50	\$0
August	0	321	100%	71,400	222	\$0.096	\$6,854	113	0.35	\$8.13	\$919	0	\$4.50	\$0
September	38	119	100%	61,900	394	\$0.096	\$5,942	127	0.81	\$6.72	\$854	0	\$4.50	\$0
October	305	25	100%	50,100	152	\$0.096	\$4,810	187	0.57	\$5.69	\$1,064	0	\$4.50	\$0
November	580	4	100%	49,700	85	\$0.096	\$4,771	274	0.47	\$4.86	\$1,333	0	\$4.50	\$0
December	1158	0	100%	42,900	37	\$0.096	\$4,118	537	0.46	\$4.29	\$2,303	0	\$4.50	\$0
1st half yr	2082	778		355,400	124	\$0.096	\$34,118	1,361	0.48	\$5.36	\$7,291	0	\$4.50	\$0
January	1032	0	100%	43,200	42	\$0.096	\$4,147	348	0.34	\$4.65	\$1,618	0	\$4.50	\$0
February	731	0	100%	40,600	56	\$0.096	\$3,898	344	0.47	\$4.77	\$1,641	0	\$4.50	\$0
March	872	0	100%	38,900	45	\$0.096	\$3,734	319	0.37	\$5.29	\$1,689	0	\$4.50	\$0
April	338	8	100%	43,200	125	\$0.096	\$4,147	243	0.70	\$5.45	\$1,325	0	\$4.50	\$0
May	239	37	100%	52,700	191	\$0.096	\$5,059	238	0.86	\$4.22	\$1,005	0	\$4.50	\$0
June	21	181	100%	67,100	332	\$0.096	\$6,442	217	1.07	\$5.47	\$1,187	0	\$4.50	\$0
2nd half yr	3233	226		285,700	83	\$0.096	\$27,427	1,709	0.49	\$4.95	\$8,465	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		641,100	101	\$0.096	\$61,546	3,070	0.49	\$5.13	\$15,756	0	\$4.50	\$0

Building Data: 1997 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

2,188,074

314,675

0

0

TOTAL BTU's x 1,000

2,502,749

Total BTU Consumption/Yr 2,502,749,300

Gross Area (ft) 2 34,054

Divided by 100,000 = 0.7349 THERMS

ENERGY COST / SQ. FT. / YEAR \$2.27  
 WATER COST TOTAL/YEAR \$2,963  
 WATER / SQ. FT. / YEAR \$0.09  
 UTILITY COST/YEAR \$80,264

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)	1000 cubic feet (Mcf)	Cost per McF
July	1	309	100%	102,773	332	\$0.069	\$7,121	0	0.00	\$0.00	37	\$4.03	\$149
August	0	321	100%	102,773	320	\$0.070	\$7,187	0	0.00	\$0.00	39	\$5.27	\$206
September	38	119	100%	192,560	1,226	\$0.073	\$14,063	0	0.00	\$0.00	71	\$4.10	\$291
October	305	25	100%	134,960	409	\$0.074	\$9,927	91	0.28	\$7.73	48	\$3.99	\$192
November	580	4	100%	93,480	160	\$0.071	\$6,658	174	0.30	\$7.73	94	\$3.71	\$348
December	1158	0	100%	94,710	82	\$0.068	\$6,462	347	0.30	\$7.73	71	\$3.70	\$262
1st half yr	2082	778		721,255	252	\$0.071	\$51,417	613	0.21	\$7.73	360	\$4.02	\$1,448
January	1032	0	100%	96,170	93	\$0.072	\$6,895	310	0.30	\$7.73	34	\$3.75	\$128
February	731	0	100%	88,420	121	\$0.074	\$6,522	219	0.30	\$7.73	55	\$3.82	\$210
March	872	0	100%	116,640	134	\$0.072	\$8,424	262	0.30	\$7.73	45	\$4.21	\$190
April	338	8	100%	128,210	371	\$0.080	\$10,318	101	0.29	\$7.73	52	\$4.15	\$216
May	239	37	100%	132,640	481	\$0.079	\$10,419	72	0.26	\$7.73	45	\$2.92	\$131
June	21	181	100%	198,070	981	\$0.077	\$15,336	6	0.03	\$7.73	44	\$4.21	\$185
2nd half yr	3233	226		760,150	220	\$0.076	\$57,914	970	0.28	\$7.73	275	\$3.85	\$1,060
TOTAL/YEAR	5315	1004		1,481,405	234	\$0.074	\$109,331	1,583	0.25	\$7.73	635	\$3.95	\$2,508

Building Data:	1990	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	32,139	Electricity = KWH X 3413	5,056,035
Gross Volume (ft)3	257,112	Natural Gas = MCF X 102,500	162,218
General Notes:		Fuel Oil = Gallons X 138,700	88,075
		Other Fuel	0
		TOTAL BTU's x 1,000	5,306,328

Energy Utilization Index =	Total BTU Consumption/Yr	Gross Area (ft) 2	Divided by 100,000 =	THERMS
	5,306,327,625	32,139	1.6511	

ENERGY COST / SQ. FT. / YEAR	\$3.86
WATER COST TOTAL/YEAR	\$14,191
WATER / SQ. FT. / YEAR	\$0.44
UTILITY COST/YEAR	\$138,265

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	1	309	100%	265,270	856	\$0.069	\$18,381	1	0.00	\$7.73	\$9	1	\$59.38	\$30	\$18,420
August	0	321	100%	299,356	933	\$0.070	\$20,935	0	0.00	\$7.73	\$0	1	\$58.66	\$29	\$20,964
September	38	119	100%	297,269	1,893	\$0.073	\$21,710	44	0.28	\$7.73	\$344	0	\$73.43	\$29	\$22,083
October	305	25	100%	283,643	860	\$0.074	\$20,863	357	1.08	\$7.73	\$2,760	0	\$72.10	\$29	\$23,652
November	580	4	100%	237,443	407	\$0.071	\$16,911	679	1.16	\$7.73	\$5,248	1	\$60.12	\$30	\$22,189
December	1158	0	100%	265,887	230	\$0.068	\$18,140	1,355	1.17	\$7.73	\$10,477	1	\$59.82	\$30	\$28,647
1st half yr	2082	778		1,648,867	577	\$0.071	\$116,939	2,437	0.85	\$7.73	\$18,837	3	\$63.29	\$177	\$135,954
January	1032	0	100%	302,328	293	\$0.072	\$21,675	1,208	1.17	\$7.73	\$9,337	1	\$59.28	\$30	\$31,042
February	731	0	100%	251,179	344	\$0.074	\$18,528	856	1.17	\$7.73	\$6,614	4	\$7.19	\$29	\$25,171
March	872	0	100%	310,457	356	\$0.072	\$22,421	1,021	1.17	\$7.73	\$7,890	0	\$71.43	\$29	\$30,340
April	338	8	100%	267,252	772	\$0.080	\$21,508	396	1.14	\$7.73	\$3,058	0	\$74.83	\$30	\$24,596
May	239	37	100%	279,761	1,014	\$0.079	\$21,975	280	1.01	\$7.73	\$2,162	1	\$61.42	\$31	\$24,168
June	21	181	100%	306,345	1,517	\$0.077	\$23,719	25	0.12	\$7.73	\$190	0	\$0.00	\$0	\$23,909
2nd half yr	3233	226		1,717,322	496	\$0.076	\$129,827	3,784	1.09	\$7.73	\$29,251	6	\$25.45	\$148	\$159,226
TOTAL/YEAR	5315	1004		3,366,189	533	\$0.073	\$246,766	6,220	0.98	\$7.73	\$48,088	9	\$37.77	\$325	\$295,180

Building Data: 1972 Energy Consumption to BTU Conversions

Gross Area (ft)2 125,392 Electricity = KWH X 3413 BTU's x 1,000 11,488,803

Gross Volume (ft)3 1,003,136 Steam = M (lbs) X 1,000,000 6,220,292 Total BTU Consumption/Yr 17,709,976,308

General Notes: Natural Gas = MCF X 102,500 882 Divided by 100,000 = 1.4124 THERMS  
 Other Fuel 0  
 TOTAL BTU's x 1,000 17,709,976  
 Gross Area (ft) 2 125,392

ENERGY COST / SQ. FT. / YEAR \$2.35  
 WATER COST TOTAL/YEAR \$8,482  
 WATER / SQ. FT. / YEAR \$0.07  
 UTILITY COST/YEAR \$303,662

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	1	309	100%	10,021	32	\$0.069	\$694	0	0.00	\$7.73	\$1	7	\$8.97	\$66	\$761
August	0	321	100%	11,026	34	\$0.070	\$771	0	0.00	\$7.73	\$0	8	\$8.74	\$69	\$840
September	38	119	100%	11,931	76	\$0.073	\$871	6	0.04	\$7.73	\$46	7	\$9.45	\$69	\$986
October	305	25	100%	12,612	38	\$0.074	\$928	48	0.14	\$7.73	\$369	7	\$9.05	\$67	\$1,364
November	580	4	100%	10,278	18	\$0.071	\$732	91	0.16	\$7.73	\$702	8	\$9.28	\$77	\$1,511
December	1158	0	100%	14,452	12	\$0.068	\$986	181	0.16	\$7.73	\$1,401	8	\$9.82	\$82	\$2,468
1st half yr	2082	778		70,320	25	\$0.071	\$4,982	326	0.11	\$7.73	\$2,519	47	\$9.23	\$429	\$7,930
January	1032	0	100%	9,487	9	\$0.072	\$680	162	0.16	\$7.73	\$1,249	10	\$8.78	\$85	\$2,014
February	731	0	100%	7,802	11	\$0.074	\$576	114	0.16	\$7.73	\$884	7	\$8.86	\$65	\$1,525
March	872	0	100%	10,868	12	\$0.072	\$785	136	0.16	\$7.73	\$1,055	7	\$8.90	\$66	\$1,906
April	338	8	100%	10,506	30	\$0.080	\$846	53	0.15	\$7.73	\$409	8	\$8.88	\$68	\$1,322
May	239	37	100%	12,440	45	\$0.079	\$977	37	0.14	\$7.73	\$289	8	\$9.10	\$74	\$1,340
June	21	181	100%	11,972	59	\$0.077	\$927	3	0.02	\$7.73	\$25	0	\$0.00	\$0	\$952
2nd half yr	3233	226		63,075	18	\$0.076	\$4,790	506	0.15	\$7.73	\$3,911	40	\$8.90	\$357	\$9,059
TOTAL/YEAR	5315	1004		133,395	21	\$0.073	\$9,773	832	0.13	\$7.73	\$6,430	87	\$9.08	\$786	\$16,989

Building Data: 1935 Energy Consumption to BTU Conversions

Gross Area (ft)2 16,767 BTU's x 1,000 455,277

Electricity = KWH X 3413

Gross Volume (ft)3 134,136 Steam = M (lbs) X 1,000,000 831,757  
 Natural Gas = MCF X 102,500 8,877  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 1,295,910,300  
 Gross Area (ft) 2 16,767  
 Divided by 100,000 = 0.7729 THERMS

TOTAL BTU's x 1,000 1,295,910

ENERGY COST / SQ. FT. / YEAR \$1.01  
 WATER COST TOTAL/YEAR \$1,746  
 WATER / SQ. FT. / YEAR \$0.10  
 UTILITY COST/YEAR \$18,734

BUILDING: MacKinnon Hall  
 FY YEAR: 2017

DATE : 02/15/18

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	11,448	37	\$0.069	\$793	0	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	15,943	50	\$0.070	\$1,115	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	17,217	110	\$0.073	\$1,257	15	0.09	\$7.73	0	\$4.50	\$0
October	305	25	100%	18,680	57	\$0.074	\$1,374	119	0.36	\$7.73	0	\$4.50	\$0
November	580	4	100%	18,007	31	\$0.071	\$1,282	226	0.39	\$7.73	0	\$4.50	\$0
December	1158	0	100%	18,275	16	\$0.068	\$1,247	452	0.39	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		99,569	35	\$0.071	\$7,069	812	0.28	\$7.73	0	\$4.50	\$0
January	1032	0	100%	19,596	19	\$0.072	\$1,405	402	0.39	\$7.73	0	\$4.50	\$0
February	731	0	100%	16,173	22	\$0.074	\$1,193	285	0.39	\$7.73	0	\$4.50	\$0
March	872	0	100%	18,993	22	\$0.072	\$1,372	340	0.39	\$7.73	0	\$4.50	\$0
April	338	8	100%	16,534	48	\$0.080	\$1,331	132	0.38	\$7.73	0	\$4.50	\$0
May	239	37	100%	16,558	60	\$0.079	\$1,301	93	0.34	\$7.73	0	\$4.50	\$0
June	21	181	100%	12,800	63	\$0.077	\$991	8	0.04	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		100,654	29	\$0.075	\$7,592	1,261	0.36	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		200,224	32	\$0.073	\$14,661	2,073	0.33	\$7.73	0	\$4.50	\$0

Building Data: 1938 Energy Consumption to BTU Conversions

BTU's x 1,000

683,363

Electricity = KWH X 3413

Steam = M (lbs) X 1,000,000

Fuel Oil = Gallons X 138,690

Other Fuel

Total BTU Consumption/Yr

2,756,280,786

Gross Area (ft) 2

41,787

Energy Utilization Index =

Divided by 100,000 =

0.6596

THERMS

CHILLED WATER COST/YEAR \$10,200  
 ENERGY COST / SQ. FT. / YEAR \$0.98  
 WATER COST TOTAL/YEAR \$9,120  
 WATER / SQ. FT. / YEAR \$0.22  
 UTILITY COST/YEAR \$50,007

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	17,000	55	\$0.069	\$1,178	0	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	23,570	73	\$0.070	\$1,648	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	22,050	140	\$0.073	\$1,610	4	0.03	\$7.73	0	\$4.50	\$0
October	305	25	100%	17,790	54	\$0.074	\$1,309	36	0.11	\$7.73	0	\$4.50	\$0
November	580	4	100%	13,370	23	\$0.071	\$952	68	0.12	\$7.73	0	\$4.50	\$0
December	1158	0	100%	14,720	13	\$0.068	\$1,004	136	0.12	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		108,500	38	\$0.071	\$7,702	244	0.09	\$7.73	0	\$4.50	\$0
January	1032	0	100%	13,040	13	\$0.072	\$935	121	0.12	\$7.73	0	\$4.50	\$0
February	731	0	100%	11,890	16	\$0.074	\$877	86	0.12	\$7.73	0	\$4.50	\$0
March	872	0	100%	14,990	17	\$0.072	\$1,083	102	0.12	\$7.73	0	\$4.50	\$0
April	338	8	100%	13,100	38	\$0.080	\$1,054	40	0.11	\$7.73	0	\$4.50	\$0
May	239	37	100%	14,010	51	\$0.079	\$1,100	28	0.10	\$7.73	0	\$4.50	\$0
June	21	181	100%	16,550	82	\$0.077	\$1,281	2	0.01	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		83,580	24	\$0.076	\$6,331	379	0.11	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		192,080	30	\$0.073	\$14,032	624	0.10	\$7.73	0	\$4.50	\$0

Building Data: 1991  
 Gross Area (ft)2 12,574  
 Gross Volume (ft)3 100,592

Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 Electricity = KWH X 3413 655,569  
 Steam = M (lbs) X 1,000,000 623,755  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 1,279,324,531  
 Gross Area (ft) 2 12,574  
 Divided by 100,000 = 1.0174 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.50  
 WATER COST TOTAL/YEAR \$5,570  
 WATER / SQ. FT. / YEAR \$0.44  
 UTILITY COST/YEAR \$24,425

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
July	1	309	100%	18,460	60	\$0.069	\$1,279	11	0.04	\$49.06	\$559	0	\$4.50	\$0
August	0	321	100%	63,935	199	\$0.070	\$4,471	69	0.21	\$12.65	\$869	0	\$4.50	\$0
September	38	119	100%	72,095	459	\$0.073	\$5,265	84	0.54	\$10.77	\$905	0	\$4.50	\$0
October	305	25	100%	60,940	185	\$0.074	\$4,482	123	0.37	\$8.92	\$1,098	0	\$4.50	\$0
November	580	4	100%	51,391	88	\$0.071	\$3,660	327	0.56	\$6.73	\$2,201	0	\$4.50	\$0
December	1158	0	100%	40,906	35	\$0.068	\$2,791	506	0.44	\$6.08	\$3,074	0	\$4.50	\$0
1st half yr	2082	778		307,727	108	\$0.071	\$21,949	1,120	0.39	\$7.77	\$8,707	0	\$4.50	\$0
January	1032	0	100%	50,330	49	\$0.072	\$3,608	443	0.43	\$6.24	\$2,761	0	\$4.50	\$0
February	731	0	100%	43,707	60	\$0.074	\$3,224	327	0.45	\$6.60	\$2,159	0	\$4.50	\$0
March	872	0	100%	51,808	59	\$0.072	\$3,742	293	0.34	\$6.28	\$1,842	0	\$4.50	\$0
April	338	8	100%	49,428	143	\$0.080	\$3,978	145	0.42	\$8.12	\$1,175	0	\$4.50	\$0
May	239	37	100%	20,983	76	\$0.079	\$1,648	15	0.06	\$36.31	\$552	0	\$4.50	\$0
June	21	181	100%	21,427	106	\$0.077	\$1,659	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		237,684	69	\$0.075	\$17,859	1,223	0.35	\$6.94	\$8,489	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		545,411	86	\$0.073	\$39,808	2,343	0.37	\$7.34	\$17,196	0	\$4.50	\$0

Building Data: 1990 Energy Consumption to BTU Conversions  
 Gross Area (ft)2 124,533 Electricity = KWH X 3413 BTU's x 1,000 1,861,487  
 Gross Volume (ft)3 996,264 Natural Gas = MCF X 102,500 240,147  
 General Notes: Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 2,101,634

Energy Utilization Index =  
 Total BTU Consumption/Yr 2,101,633,969  
 Gross Area (ft) 2 124,533  
 Divided by 100,000 = 0.1688 THERMS

ENERGY COST / SQ. FT. / YEAR \$0.46  
 WATER COST TOTAL/YEAR \$43,092  
 WATER / SQ. FT. / YEAR \$0.35  
 UTILITY COST/YEAR \$100,095



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)	Load-shed Hours	Cost per Gal
July	1	309	100%	65,843	212	\$0.069	\$4,562	1	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	78,530	245	\$0.070	\$5,492	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	77,101	491	\$0.073	\$5,631	24	0.15	\$7.73	0	\$4.50	\$0
October	305	25	100%	75,820	230	\$0.074	\$5,577	191	0.58	\$7.73	0	\$4.50	\$0
November	580	4	100%	74,872	128	\$0.071	\$5,332	364	0.62	\$7.73	0	\$4.50	\$0
December	1158	0	100%	76,448	66	\$0.068	\$5,216	726	0.63	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		448,613	157	\$0.071	\$31,810	1,306	0.46	\$7.73	0	\$4.50	\$0
January	1032	0	100%	79,613	77	\$0.072	\$5,708	647	0.63	\$7.73	0	\$4.50	\$0
February	731	0	100%	68,408	94	\$0.074	\$5,046	458	0.63	\$7.73	0	\$4.50	\$0
March	872	0	100%	83,047	95	\$0.072	\$5,998	547	0.63	\$7.73	0	\$4.50	\$0
April	338	8	100%	72,401	209	\$0.080	\$5,827	212	0.61	\$7.73	0	\$4.50	\$0
May	239	37	100%	70,191	254	\$0.079	\$5,513	150	0.54	\$7.73	0	\$4.50	\$0
June	21	181	100%	81,429	403	\$0.077	\$6,305	13	0.07	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		455,087	132	\$0.076	\$34,396	2,028	0.59	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		903,700	143	\$0.073	\$66,206	3,333	0.53	\$7.73	0	\$4.50	\$0

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 3,084,329  
 Steam = M (lbs) X 1,000,000 3,333,277  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 6,417,606

ENERGY COST / SQ. FT. / YEAR \$1.37  
 WATER COST TOTAL/YEAR \$3,223  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$95,199

Energy Utilization Index =  
 Total BTU Consumption/Yr 6,417,605,897  
 Gross Area (ft) 2 67,194  
 Divided by 100,000 = 0.9551 THERMS

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
July	1	309	100%	91,562	295	\$0.069	\$6,344	1	0.00	\$7.73	\$11	0	\$4.50	\$0
August	0	321	100%	105,663	329	\$0.070	\$7,389	0	0.00	\$7.73	\$0	0	\$4.50	\$0
September	38	119	100%	101,702	648	\$0.073	\$7,427	55	0.35	\$7.73	\$428	0	\$4.50	\$0
October	305	25	100%	99,822	302	\$0.074	\$7,342	444	1.35	\$7.73	\$3,435	0	\$4.50	\$0
November	580	4	100%	100,624	172	\$0.071	\$7,167	845	1.45	\$7.73	\$6,532	0	\$4.50	\$0
December	1158	0	100%	84,484	73	\$0.068	\$5,764	1,687	1.46	\$7.73	\$13,041	0	\$4.50	\$0
1st half yr	2082	778		583,857	204	\$0.071	\$41,434	3,033	1.06	\$7.73	\$23,447	0	\$4.50	\$0
January	1032	0	100%	91,033	88	\$0.072	\$6,527	1,503	1.46	\$7.73	\$11,622	0	\$4.50	\$0
February	731	0	100%	79,182	108	\$0.074	\$5,841	1,065	1.46	\$7.73	\$8,232	0	\$4.50	\$0
March	872	0	100%	95,396	109	\$0.072	\$6,890	1,270	1.46	\$7.73	\$9,820	0	\$4.50	\$0
April	338	8	100%	94,796	274	\$0.080	\$7,629	492	1.42	\$7.73	\$3,806	0	\$4.50	\$0
May	239	37	100%	90,242	327	\$0.079	\$7,089	348	1.26	\$7.73	\$2,692	0	\$4.50	\$0
June	21	181	100%	109,560	542	\$0.077	\$8,483	31	0.15	\$7.73	\$236	0	\$4.50	\$0
2nd half yr	3233	226		560,209	162	\$0.076	\$42,457	4,709	1.36	\$7.73	\$36,409	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,144,066	181	\$0.073	\$83,891	7,742	1.23	\$7.73	\$59,855	0	\$4.50	\$0

Building Data: 1931  
 Gross Area (ft)2 156,074  
 Gross Volume (ft)3 1,248,592

Energy Consumption to BTU Conversions  
 BTU's x 1,000 3,904,696  
 Electricity = KWH X 3413  
 Steam = M (lbs) X 1,000,000 7,742,327  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 11,647,022.815  
 Gross Area (ft) 2 156,074  
 Divided by 100,000 = 0.7463 THERMS

ENERGY COST / SQ. FT. / YEAR \$0.92  
 WATER COST TOTAL/YEAR \$67,474  
 WATER / SQ. FT. / YEAR \$0.43  
 UTILITY COST/YEAR \$211,220

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
July	1	309	100%	209,310	675	\$0.069	\$14,503	1	0.00	\$7.73	\$10	0	\$4.50	\$0
August	0	321	100%	209,310	652	\$0.070	\$14,638	0	0.00	\$7.73	\$0	0	\$4.50	\$0
September	38	119	100%	197,000	1,255	\$0.073	\$14,387	47	0.30	\$7.73	\$362	0	\$4.50	\$0
October	305	25	100%	144,020	436	\$0.074	\$10,593	376	1.14	\$7.73	\$2,908	0	\$4.50	\$0
November	580	4	100%	102,630	176	\$0.071	\$7,309	715	1.23	\$7.73	\$5,531	0	\$4.50	\$0
December	1158	0	100%	120,230	104	\$0.068	\$8,203	1,428	1.23	\$7.73	\$11,043	0	\$4.50	\$0
1st half yr	2082	778		982,500	344	\$0.071	\$69,633	2,568	0.90	\$7.73	\$19,854	0	\$4.50	\$0
January	1032	0	100%	97,820	95	\$0.072	\$7,013	1,273	1.23	\$7.73	\$9,841	0	\$4.50	\$0
February	731	0	100%	101,400	139	\$0.074	\$7,480	902	1.23	\$7.73	\$6,971	0	\$4.50	\$0
March	872	0	100%	124,650	143	\$0.072	\$9,002	1,076	1.23	\$7.73	\$8,315	0	\$4.50	\$0
April	338	8	100%	119,930	347	\$0.080	\$9,652	417	1.20	\$7.73	\$3,223	0	\$4.50	\$0
May	239	37	100%	149,650	542	\$0.079	\$11,755	295	1.07	\$7.73	\$2,279	0	\$4.50	\$0
June	21	181	100%	145,210	719	\$0.077	\$11,243	26	0.13	\$7.73	\$200	0	\$4.50	\$0
2nd half yr	3233	226		738,660	214	\$0.076	\$56,145	3,988	1.15	\$7.73	\$30,830	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,721,160	272	\$0.073	\$125,778	6,556	1.04	\$7.73	\$50,684	0	\$4.50	\$0

Building Data: 1993 Energy Consumption to BTU Conversions

BTU's x 1,000

5,874,319

Electricity = KWH X 3413

Steam = M (lbs) X 1,000,000

6,555,981

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

12,430,300

ENERGY COST / SQ. FT. / YEAR \$1.34

WATER COST TOTAL/YEAR \$25,290

WATER / SQ. FT. / YEAR \$0.19

UTILITY COST/YEAR \$201,752

Energy Utilization Index =

Total BTU Consumption/Yr 12,430,299,824

Gross Area (ft) 2 132,159

Divided by 100,000 =

0.9406

THERMS

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
July	1	309	100%	33,610	108	\$0.069	\$2,329	2	0.01	\$20.74	\$35	0	\$4.50	\$0
August	0	321	100%	33,740	105	\$0.070	\$2,360	1	0.00	\$27.29	\$33	0	\$4.50	\$0
September	38	119	100%	25,408	162	\$0.073	\$1,856	1	0.00	\$49.73	\$30	0	\$4.50	\$0
October	305	25	100%	25,643	78	\$0.074	\$1,886	1	0.00	\$24.28	\$34	0	\$4.50	\$0
November	580	4	100%	39,312	67	\$0.071	\$2,800	25	0.04	\$6.30	\$155	0	\$4.50	\$0
December	1158	0	100%	35,118	30	\$0.068	\$2,396	26	0.02	\$6.13	\$159	0	\$4.50	\$0
1st half yr	2082	778		192,831	67	\$0.071	\$13,626	56	0.02	\$8.04	\$446	0	\$4.50	\$0
January	1032	0	100%	47,249	46	\$0.072	\$3,387	14	0.01	\$7.07	\$96	0	\$4.50	\$0
February	731	0	100%	68,585	94	\$0.074	\$5,059	15	0.02	\$6.87	\$104	0	\$4.50	\$0
March	872	0	100%	46,783	54	\$0.072	\$3,379	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	34,168	99	\$0.080	\$2,750	3	0.01	\$25.69	\$67	0	\$4.50	\$0
May	239	37	100%	48,047	174	\$0.079	\$3,774	0	0.00	\$0.00	\$28	0	\$4.50	\$0
June	21	181	100%	44,852	222	\$0.077	\$3,473	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		289,684	84	\$0.075	\$21,822	31	0.01	\$9.42	\$295	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>5315</b>	<b>1004</b>		<b>482,515</b>	<b>76</b>	<b>\$0.073</b>	<b>\$35,448</b>	<b>87</b>	<b>0.01</b>	<b>\$8.54</b>	<b>\$741</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 2010

Energy Consumption to BTU Conversions

BTU's x 1,000

1,646,824

Electricity = KWH X 3413

8,897

Natural Gas = MCF X 102,500

0

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

1,655,721

Energy Utilization Index =

Total BTU Consumption/Yr

1,655,720,695

Gross Area (ft) 2

39,961

Divided by 100,000 =

0.4143

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.91  
 WATER COST TOTAL/YEAR \$8,099  
 WATER / SQ. FT. / YEAR \$0.20  
 UTILITY COST/YEAR \$44,288

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	345,149	1,113	\$0.069	\$23,916	2	0.01	\$7.73	0	\$4.50	\$0
August	0	321	100%	406,445	1,266	\$0.070	\$28,424	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	353,653	2,253	\$0.073	\$25,827	90	0.57	\$7.73	0	\$4.50	\$0
October	305	25	100%	299,322	907	\$0.074	\$22,016	720	2.18	\$7.73	0	\$4.50	\$0
November	580	4	100%	233,123	399	\$0.071	\$16,603	1,369	2.34	\$7.73	0	\$4.50	\$0
December	1158	0	100%	251,498	217	\$0.068	\$17,158	2,733	2.36	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		1,889,190	661	\$0.071	\$133,945	4,914	1.72	\$7.73	0	\$4.50	\$0
January	1032	0	100%	241,460	234	\$0.072	\$17,311	2,436	2.36	\$7.73	0	\$4.50	\$0
February	731	0	100%	186,505	255	\$0.074	\$13,757	1,725	2.36	\$7.73	0	\$4.50	\$0
March	872	0	100%	252,338	289	\$0.072	\$18,224	2,058	2.36	\$7.73	0	\$4.50	\$0
April	338	8	100%	242,400	701	\$0.080	\$19,508	798	2.31	\$7.73	0	\$4.50	\$0
May	239	37	100%	303,595	1,100	\$0.079	\$23,847	564	2.04	\$7.73	0	\$4.50	\$0
June	21	181	100%	397,871	1,970	\$0.077	\$30,806	50	0.25	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		1,624,169	470	\$0.076	\$123,454	7,631	2.21	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		3,513,359	556	\$0.073	\$257,399	12,545	1.99	\$7.73	0	\$4.50	\$0

Building Data:	1954	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	252,894	Electricity = KWH X 3413	11,991,094
Gross Volume (ft)3	2,023,152	Steam = M (lbs) X 1,000,000	12,545,254
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	24,536,348
ENERGY COST / SQ. FT. / YEAR	\$1.40		
WATER COST TOTAL/YEAR	\$156,299		
WATER / SQ. FT. / YEAR	\$0.62		
UTILITY COST/YEAR	\$510,684		

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{24,536,348,047}{252,894}$$

$$\text{Divided by 100,000} = 0.9702 \text{ THERMS}$$

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
July	1	309	100%	189,357	611	\$0.069	\$13,121	3	0.01	\$7.73	\$20	231	\$6.36	\$1,469
August	0	321	100%	234,729	731	\$0.070	\$16,415	0	0.00	\$7.73	\$0	353	\$6.16	\$2,175
September	38	119	100%	272,484	1,736	\$0.073	\$19,900	96	0.61	\$7.73	\$744	382	\$6.30	\$2,406
October	305	25	100%	266,179	807	\$0.074	\$19,579	772	2.34	\$7.73	\$5,970	421	\$6.27	\$2,643
November	580	4	100%	229,441	393	\$0.071	\$16,341	1,469	2.51	\$7.73	\$11,354	495	\$6.31	\$3,121
December	1158	0	100%	275,192	238	\$0.068	\$18,775	2,932	2.53	\$7.73	\$22,668	367	\$6.23	\$2,288
1st half yr	2082	778		1,467,382	513	\$0.071	\$104,130	5,272	1.84	\$7.73	\$40,756	2,249	\$6.27	\$14,102
January	1032	0	100%	225,668	219	\$0.072	\$16,179	2,613	2.53	\$7.73	\$20,202	86	\$60.31	\$5,182
February	731	0	100%	198,965	272	\$0.074	\$14,676	1,851	2.53	\$7.73	\$14,309	612	\$6.09	\$3,725
March	872	0	100%	257,146	295	\$0.072	\$18,571	2,208	2.53	\$7.73	\$17,070	0	\$0.00	\$0
April	338	8	100%	232,785	673	\$0.080	\$18,734	856	2.47	\$7.73	\$6,616	1,354	\$5.58	\$7,563
May	239	37	100%	167,288	606	\$0.079	\$13,140	605	2.19	\$7.73	\$4,678	74	\$7.63	\$564
June	21	181	100%	191,353	947	\$0.077	\$14,816	53	0.26	\$7.73	\$411	0	\$0.00	\$0
2nd half yr	3233	226		1,273,205	368	\$0.075	\$96,117	8,186	2.37	\$7.73	\$63,287	2,126	\$8.01	\$17,035
TOTAL/YEAR	5315	1004		2,740,587	434	\$0.073	\$200,247	13,458	2.13	\$7.73	\$104,042	4,374	\$7.12	\$31,137

Building Data: 2005

Energy Consumption to BTU Conversions

BTU's x 1,000

9,353,623

Electricity = KWH X 3413

13,457,969

Gross Area (ft)2

271,293

Gross Volume (ft)3

2,170,344

General Notes:

Natural Gas = MCF X 102,500

Other Fuel

TOTAL BTU's x 1,000

23,259,961

CHILLED WATER COST/YEAR

\$71,100

ENERGY COST / SQ. FT. / YEAR

\$1.50

WATER COST TOTAL/YEAR

\$84,553

WATER / SQ. FT. / YEAR

\$0.31

UTILITY COST/YEAR

\$491,080

Energy Utilization Index =

Total BTU Consumption/Yr

23,259,960,945

Gross Area (ft) 2

271,293

Divided by 100,000 =

0.8574

THERMS

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	103,365	333	\$0.069	\$7,162	1	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	121,508	379	\$0.070	\$8,497	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	107,568	685	\$0.073	\$7,856	24	0.15	\$7.73	0	\$4.50	\$0
October	305	25	100%	108,412	329	\$0.074	\$7,974	191	0.58	\$7.73	0	\$4.50	\$0
November	580	4	100%	88,340	151	\$0.071	\$6,292	363	0.62	\$7.73	0	\$4.50	\$0
December	1158	0	100%	87,404	75	\$0.068	\$5,963	725	0.63	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		616,597	216	\$0.071	\$43,744	1,303	0.46	\$7.73	0	\$4.50	\$0
January	1032	0	100%	90,162	87	\$0.072	\$6,464	646	0.63	\$7.73	0	\$4.50	\$0
February	731	0	100%	76,857	105	\$0.074	\$5,669	457	0.63	\$7.73	0	\$4.50	\$0
March	872	0	100%	85,793	98	\$0.072	\$6,196	546	0.63	\$7.73	0	\$4.50	\$0
April	338	8	100%	78,978	228	\$0.080	\$6,356	211	0.61	\$7.73	0	\$4.50	\$0
May	239	37	100%	79,090	287	\$0.079	\$6,212	150	0.54	\$7.73	0	\$4.50	\$0
June	21	181	100%	116,107	575	\$0.077	\$8,990	13	0.07	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		526,986	152	\$0.076	\$39,888	2,023	0.58	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,143,583	181	\$0.073	\$83,632	3,326	0.53	\$7.73	0	\$4.50	\$14,623

Building Data:	1971	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	67,040	Electricity = KWH X 3413	3,903,048
Gross Volume (ft)3	536,320	Steam = M (lbs) X 1,000,000	3,325,638
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	7,228,686

ENERGY COST / SQ. FT. / YEAR	\$1.85
WATER COST TOTAL/YEAR	\$12,829
WATER / SQ. FT. / YEAR	\$0.19
UTILITY COST/YEAR	\$136,794

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{7,228,686,110}{67,040} = 1.0783 \text{ THERMS}$$

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)	1000 cubic feet (Mcf)	Cost per McF
July	1	309	100%	134,028	432	\$0.069	\$9,287	2	0.01	\$7.73	41	\$4.03	\$165
August	0	321	100%	194,676	606	\$0.070	\$13,614	0	0.00	\$7.73	57	\$5.27	\$300
September	38	119	100%	204,714	1,304	\$0.073	\$14,950	59	0.38	\$7.73	151	\$4.10	\$619
October	305	25	100%	212,859	645	\$0.074	\$15,657	473	1.43	\$7.73	3	\$3.99	\$12
November	580	4	100%	201,983	346	\$0.071	\$14,385	900	1.54	\$7.73	8	\$3.71	\$30
December	1158	0	100%	197,634	171	\$0.068	\$13,484	1,796	1.55	\$7.73	9	\$3.70	\$33
1st half yr	2082	778		1,145,894	401	\$0.071	\$81,377	3,230	1.13	\$7.73	269	\$4.31	\$1,160
January	1032	0	100%	215,302	209	\$0.072	\$15,436	1,601	1.55	\$7.73	1	\$3.75	\$4
February	731	0	100%	180,353	247	\$0.074	\$13,304	1,134	1.55	\$7.73	10	\$3.82	\$38
March	872	0	100%	214,597	246	\$0.072	\$15,498	1,353	1.55	\$7.73	4	\$4.21	\$17
April	338	8	100%	187,580	542	\$0.080	\$15,096	524	1.52	\$7.73	6	\$4.15	\$25
May	239	37	100%	155,954	565	\$0.079	\$12,250	371	1.34	\$7.73	6	\$2.92	\$18
June	21	181	100%	159,273	788	\$0.077	\$12,332	33	0.16	\$7.73	0	\$0.00	\$0
2nd half yr	3233	226		1,113,059	322	\$0.075	\$83,916	5,015	1.45	\$7.73	27	\$3.75	\$101
<b>TOTAL/YEAR</b>	<b>5315</b>	<b>1004</b>		<b>2,258,953</b>	<b>357</b>	<b>\$0.073</b>	<b>\$165,293</b>	<b>8,245</b>	<b>1.30</b>	<b>\$7.73</b>	<b>296</b>	<b>\$4.26</b>	<b>\$1,261</b>

Building Data: 1971 Energy Consumption to BTU Conversions

Gross Area (ft)2 166,213 Electricity = KWH X 3413 BTU's x 1,000 7,709,806

Gross Volume (ft)3 1,329,704 Steam = M (lbs) X 1,000,000 8,245,290  
 Natural Gas = MCF X 102,500 30,340  
 Other Fuel 0

General Notes: TOTAL BTU's x 1,000 15,985,436  
 Total BTU Consumption/Yr 15,985,435,500  
 Gross Area (ft) 2 166,213  
 Divided by 100,000 = 0.9617 THERMS

CHILLED WATER COST/YEAR \$43,600  
 ENERGY COST / SQ. FT. / YEAR \$1.65  
 WATER COST TOTAL/YEAR \$87,050  
 WATER / SQ. FT. / YEAR \$0.52  
 UTILITY COST/YEAR \$360,947



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
July	1	309	100%	2,080	7	\$0.121	\$252	0	0.00	\$72.98	\$29	0	\$4.50	\$0
August	0	321	100%	2,080	6	\$0.121	\$252	1	0.00	\$58.52	\$29	0	\$4.50	\$0
September	38	119	100%	1,480	9	\$0.121	\$179	1	0.01	\$29.49	\$32	0	\$4.50	\$0
October	305	25	100%	870	3	\$0.121	\$105	8	0.02	\$8.52	\$67	0	\$4.50	\$0
November	580	4	100%	870	1	\$0.121	\$105	24	0.04	\$6.34	\$152	0	\$4.50	\$0
December	1158	0	100%	1,370	1	\$0.121	\$166	36	0.03	\$5.84	\$212	0	\$4.50	\$0
1st half yr	2082	778		8,750	3	\$0.121	\$1,059	70	0.02	\$7.44	\$522	0	\$4.50	\$0
January	1032	0	100%	2,350	2	\$0.121	\$284	28	0.03	\$6.04	\$172	0	\$4.50	\$0
February	731	0	100%	2,350	3	\$0.121	\$284	19	0.03	\$6.49	\$125	0	\$4.50	\$0
March	872	0	100%	2,160	2	\$0.121	\$261	15	0.02	\$6.35	\$97	0	\$4.50	\$0
April	338	8	100%	1,790	5	\$0.121	\$217	6	0.02	\$8.98	\$57	0	\$4.50	\$0
May	239	37	100%	1,790	6	\$0.121	\$217	1	0.00	\$30.60	\$34	0	\$4.50	\$0
June	21	181	100%	1,110	5	\$0.121	\$134	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		11,550	3	\$0.121	\$1,398	70	0.02	\$6.88	\$485	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		20,300	3	\$0.121	\$2,456	70	0.01	\$7.44	\$522	0	\$4.50	\$0

Building Data: 1936 Energy Consumption to BTU Conversions

Gross Area (ft)2 4,316 Electricity = KWH X 3413 BTU's x 1,000 69,284

Gross Volume (ft)3 34,528 Natural Gas = MCF X 102,500 7,196  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 76,479,400  
 Divided by 100,000 = 0.1772 THERMS  
 Gross Area (ft) 2 4,316

ENERGY COST / SQ. FT. / YEAR \$0.69  
 WATER COST TOTAL/YEAR \$457  
 WATER / SQ. FT. / YEAR \$0.11  
 UTILITY COST/YEAR \$3,435

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
July	1	309	100%	24,309	78	\$0.069	\$1,684	6	0.02	\$57.07	\$321	0	\$4.50	\$0
August	0	321	100%	28,517	89	\$0.070	\$1,994	6	0.02	\$58.20	\$328	0	\$4.50	\$0
September	38	119	100%	22,795	145	\$0.073	\$1,665	6	0.04	\$51.69	\$327	0	\$4.50	\$0
October	305	25	100%	19,579	59	\$0.074	\$1,440	12	0.04	\$29.33	\$351	0	\$4.50	\$0
November	580	4	100%	21,314	36	\$0.071	\$1,518	118	0.20	\$6.38	\$753	0	\$4.50	\$0
December	1158	0	100%	31,722	27	\$0.068	\$2,164	390	0.34	\$4.48	\$1,748	0	\$4.50	\$0
1st half yr	2082	778		148,237	52	\$0.071	\$10,466	537	0.19	\$7.12	\$3,828	0	\$4.50	\$0
January	1032	0	100%	32,990	32	\$0.072	\$2,365	636	0.62	\$4.22	\$2,686	0	\$4.50	\$0
February	731	0	100%	25,887	35	\$0.074	\$1,910	442	0.61	\$4.56	\$2,016	0	\$4.50	\$0
March	872	0	100%	30,895	35	\$0.072	\$2,231	362	0.42	\$5.17	\$1,873	0	\$4.50	\$0
April	338	8	100%	19,266	56	\$0.080	\$1,551	267	0.77	\$5.33	\$1,425	0	\$4.50	\$0
May	239	37	100%	20,599	75	\$0.079	\$1,618	94	0.34	\$6.47	\$605	0	\$4.50	\$0
June	21	181	100%	25,187	125	\$0.077	\$1,950	6	0.03	\$61.10	\$344	0	\$4.50	\$0
2nd half yr	3233	226		154,824	45	\$0.075	\$11,625	1,807	0.52	\$4.95	\$8,949	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		303,060	48	\$0.073	\$22,090	2,345	0.37	\$5.45	\$12,777	0	\$4.50	\$0

Building Data: 1995  
 Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 Gross Area (ft)2 30,861 Electricity = KWH X 3413 1,034,344  
 Gross Volume (ft)3 246,888 Natural Gas = MCF X 102,500 240,326  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 1,274,671

Energy Utilization Index =  
 Total BTU Consumption/Yr 1,274,670,895  
 Gross Area (ft) 2 30,861  
 Divided by 100,000 = 0.4130 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.13  
 WATER COST TOTAL/YEAR \$2,261  
 WATER / SQ. FT. / YEAR \$0.07  
 UTILITY COST/YEAR \$37,128

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)	100 cubic feet (Mcf)	Cost per McF
July	1	309	100%	146,484	473	\$0.069	\$10,150	2	0.01	\$7.73	0	\$0.00	\$0
August	0	321	100%	269,849	841	\$0.070	\$18,871	0	0.00	\$7.73	1	\$5.26	\$5
September	38	119	100%	268,441	1,710	\$0.073	\$19,604	81	0.52	\$7.73	13	\$4.10	\$53
October	305	25	100%	205,440	623	\$0.074	\$15,111	652	1.98	\$7.73	13	\$3.99	\$52
November	580	4	100%	186,284	319	\$0.071	\$13,267	1,240	2.12	\$7.73	17	\$3.71	\$63
December	1158	0	100%	190,434	164	\$0.068	\$12,992	2,475	2.14	\$7.73	11	\$3.70	\$41
1st half yr	2082	778		1,266,932	443	\$0.071	\$89,996	4,450	1.56	\$7.73	55	\$3.89	\$214
January	1032	0	100%	174,380	169	\$0.072	\$12,502	2,206	2.14	\$7.73	1	\$3.75	\$4
February	731	0	100%	177,878	243	\$0.074	\$13,121	1,562	2.14	\$7.73	17	\$3.82	\$65
March	872	0	100%	213,976	245	\$0.072	\$15,453	1,864	2.14	\$7.73	9	\$4.21	\$38
April	338	8	100%	180,356	521	\$0.080	\$14,515	722	2.09	\$7.73	13	\$4.15	\$54
May	239	37	100%	118,452	429	\$0.079	\$9,304	511	1.85	\$7.73	8	\$2.92	\$23
June	21	181	100%	117,719	583	\$0.077	\$9,115	45	0.22	\$7.73	0	\$0.00	\$0
2nd half yr	3233	226		982,761	284	\$0.075	\$74,010	6,910	2.00	\$7.73	48	\$3.83	\$184
TOTAL/YEAR	5315	1004		2,249,693	356	\$0.073	\$164,007	11,359	1.80	\$7.73	103	\$3.86	\$398

Building Data: 2002

Gross Area (ft)2 228,990

Gross Volume (ft)3 1,831,920

Energy Consumption to BTU Conversions

Electricity = KWH X 3413

Steam = M (lbs) X 1,000,000

Natural Gas = MCF X 102,500

Other Fuel

TOTAL BTU's x 1,000

19,048,213

Energy Utilization Index =

Total BTU Consumption/Yr 19,048,213.326

Gross Area (ft) 2 228,990

Divided by 100,000 = 0.8318

THERMS

CHILLED WATER COST/YEAR

ENERGY COST / SQ. FT. / YEAR \$1.36

WATER COST TOTAL/YEAR

WATER / SQ. FT. / YEAR \$0.31

UTILITY COST/YEAR \$384,162

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
July	1	309	100%	140,906	455	\$0.069	\$9,764	144	0.46	\$4.03	\$580	0	\$4.50	\$0
August	0	321	100%	165,346	515	\$0.070	\$11,563	129	0.40	\$5.27	\$680	0	\$4.50	\$0
September	38	119	100%	114,701	731	\$0.073	\$8,377	164	1.04	\$4.10	\$672	0	\$4.50	\$0
October	305	25	100%	111,365	337	\$0.074	\$8,191	148	0.45	\$3.99	\$591	0	\$4.50	\$0
November	580	4	100%	106,033	182	\$0.071	\$7,552	203	0.35	\$3.71	\$752	0	\$4.50	\$0
December	1158	0	100%	121,609	105	\$0.068	\$8,297	405	0.35	\$3.70	\$1,497	0	\$4.50	\$0
1st half yr	2082	778		759,960	266	\$0.071	\$53,743	1,193	0.42	\$4.00	\$4,772	0	\$4.50	\$0
January	1032	0	100%	87,341	85	\$0.072	\$6,262	476	0.46	\$3.75	\$1,785	0	\$4.50	\$0
February	731	0	100%	108,320	148	\$0.074	\$7,990	409	0.56	\$3.82	\$1,561	0	\$4.50	\$0
March	872	0	100%	106,837	123	\$0.072	\$7,716	263	0.30	\$4.21	\$1,108	0	\$4.50	\$0
April	338	8	100%	110,050	318	\$0.080	\$8,857	301	0.87	\$4.15	\$1,250	0	\$4.50	\$0
May	239	37	100%	138,076	500	\$0.079	\$10,846	194	0.70	\$2.92	\$566	0	\$4.50	\$0
June	21	181	100%	135,641	671	\$0.077	\$10,502	175	0.87	\$4.21	\$736	0	\$4.50	\$0
2nd half yr	3233	226		686,265	198	\$0.076	\$52,173	1,818	0.53	\$3.85	\$7,007	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,446,225	229	\$0.073	\$105,916	1,193	0.19	\$4.00	\$4,772	0	\$4.50	\$0

Building Data:	1992	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	55,209	Electricity = KWH X 3413	4,935,966
Gross Volume (ft)3	441,672	Natural Gas = MCF X 102,500	122,283
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	5,058,248

ENERGY COST / SQ. FT. / YEAR	\$2.00
WATER COST TOTAL/YEAR	\$5,068
WATER / SQ. FT. / YEAR	\$0.09
UTILITY COST/YEAR	\$115,756

Energy Utilization Index =	Total BTU Consumption/Yr	Gross Area (ft) 2	Divided by 100,000 =	THERMS
	5,058,248,425	55,209	0.9162	

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 Gall/Hr TOTAL
July	1	309	100%	11,409	37	\$0.069	\$791	0	0.00	\$7.73	\$1	0	\$4.50	\$0	\$792
August	0	321	100%	14,238	44	\$0.070	\$996	0	0.00	\$7.73	\$0	0	\$4.50	\$0	\$996
September	38	119	100%	14,112	90	\$0.073	\$1,031	5	0.03	\$7.73	\$42	0	\$4.50	\$0	\$1,073
October	305	25	100%	12,384	38	\$0.074	\$911	44	0.13	\$7.73	\$337	0	\$4.50	\$0	\$1,248
November	580	4	100%	11,793	20	\$0.071	\$840	83	0.14	\$7.73	\$641	0	\$4.50	\$0	\$1,481
December	1158	0	100%	12,808	11	\$0.068	\$874	166	0.14	\$7.73	\$1,280	0	\$4.50	\$0	\$2,154
1st half yr	2082	778		76,743	27	\$0.071	\$5,441	298	0.10	\$7.73	\$2,301	0	\$4.50	\$0	\$7,742
January	1032	0	100%	12,997	13	\$0.072	\$932	148	0.14	\$7.73	\$1,141	0	\$4.50	\$0	\$2,072
February	731	0	100%	10,614	15	\$0.074	\$783	105	0.14	\$7.73	\$808	0	\$4.50	\$0	\$1,591
March	872	0	100%	13,666	16	\$0.072	\$987	125	0.14	\$7.73	\$964	0	\$4.50	\$0	\$1,951
April	338	8	100%	11,266	33	\$0.080	\$907	48	0.14	\$7.73	\$374	0	\$4.50	\$0	\$1,280
May	239	37	100%	11,587	42	\$0.079	\$910	34	0.12	\$7.73	\$264	0	\$4.50	\$0	\$1,174
June	21	181	100%	12,304	61	\$0.077	\$953	3	0.01	\$7.73	\$23	0	\$4.50	\$0	\$976
2nd half yr	3233	226		72,435	21	\$0.076	\$5,471	462	0.13	\$7.73	\$3,573	0	\$4.50	\$0	\$9,044
TOTAL/YEAR	5315	1004		149,178	24	\$0.073	\$10,913	760	0.12	\$7.73	\$5,874	0	\$4.50	\$0	\$16,787

Building Data: 1965 Energy Consumption to BTU Conversions

BTU's x 1,000

509,144

Electricity = KWH X 3413

Steam = M (lbs) X 1,000,000

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000

1,268,971

15,317

122,536

0

0

1,268,971

15,317

0.8285

THERMS

Energy Utilization Index =

Total BTU Consumption/Yr

Gross Area (ft) 2

Divided by 100,000 =

0.8285

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.10  
 WATER COST TOTAL/YEAR \$735  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$17,522

BUILDING: Rocket Hall  
 FY YEAR: 2017

DATE : 02/15/18

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
July	1	309	100%	51,170	165	\$0.069	\$3,546	78	0.25	\$7.84	\$612	0	\$4.50	\$0
August	0	321	100%	80,670	251	\$0.070	\$5,641	72	0.22	\$9.38	\$675	0	\$4.50	\$0
September	38	119	100%	83,230	530	\$0.073	\$6,078	84	0.54	\$7.75	\$651	0	\$4.50	\$0
October	305	25	100%	76,820	233	\$0.074	\$5,650	87	0.26	\$7.47	\$650	0	\$4.50	\$0
November	580	4	100%	67,810	116	\$0.071	\$4,829	131	0.22	\$6.04	\$792	0	\$4.50	\$0
December	1158	0	100%	85,840	74	\$0.068	\$5,856	248	0.21	\$4.93	\$1,223	0	\$4.50	\$0
1st half yr	2082	778		445,540	156	\$0.071	\$31,602	700	0.24	\$6.57	\$4,602	0	\$4.50	\$0
January	1032	0	100%	78,090	76	\$0.072	\$5,599	536	0.52	\$4.30	\$2,307	0	\$4.50	\$0
February	731	0	100%	72,780	100	\$0.074	\$5,369	632	0.86	\$4.32	\$2,728	0	\$4.50	\$0
March	872	0	100%	88,640	102	\$0.072	\$6,402	324	0.37	\$5.25	\$1,701	0	\$4.50	\$0
April	338	8	100%	74,820	216	\$0.080	\$6,021	274	0.79	\$5.26	\$1,442	0	\$4.50	\$0
May	239	37	100%	70,290	255	\$0.079	\$5,521	134	0.49	\$5.32	\$712	0	\$4.50	\$0
June	21	181	100%	72,780	360	\$0.077	\$5,635	97	0.48	\$7.40	\$718	0	\$4.50	\$0
2nd half yr	3233	226		457,400	132	\$0.076	\$34,547	1,997	0.58	\$4.81	\$9,609	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		902,940	143	\$0.073	\$66,148	2,697	0.43	\$5.27	\$14,210	0	\$4.50	\$0

Building Data: 1961

Gross Area (ft)2 109,552

Gross Volume (ft)3 876,416

General Notes:

Energy Consumption to BTU Conversions

Electricity = KWH X 3413  
 BTU's x 1,000  
 3,081,734

Natural Gas = MCF X 102,500  
 276,443

Fuel Oil = Gallons X 138,690  
 0

Other Fuel  
 0

TOTAL BTU's x 1,000  
 3,358,177

Energy Utilization Index =

Total BTU Consumption/Yr 3,358,176,720  
 Gross Area (ft) 2 109,552

Divided by 100,000 = 0.3065 THERMS

ENERGY COST / SQ. FT. / YEAR \$0.73  
 WATER COST TOTAL/YEAR \$16,051  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$96,410

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	255,131	823	\$0.069	\$17,678	2	0.01	\$7.73	0	\$4.50	\$0
August	0	321	100%	199,840	623	\$0.070	\$13,975	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	183,560	1,169	\$0.073	\$13,405	71	0.45	\$7.73	0	\$4.50	\$0
October	305	25	100%	179,664	544	\$0.074	\$13,215	568	1.72	\$7.73	0	\$4.50	\$0
November	580	4	100%	182,159	312	\$0.071	\$12,973	1,079	1.85	\$7.73	0	\$4.50	\$0
December	1158	0	100%	207,522	179	\$0.068	\$14,158	2,155	1.86	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		1,207,876	422	\$0.071	\$85,406	3,874	1.35	\$7.73	0	\$4.50	\$0
January	1032	0	100%	200,635	194	\$0.072	\$14,384	1,920	1.86	\$7.73	0	\$4.50	\$0
February	731	0	100%	233,431	319	\$0.074	\$17,219	1,360	1.86	\$7.73	0	\$4.50	\$0
March	872	0	100%	220,356	253	\$0.072	\$15,914	1,623	1.86	\$7.73	0	\$4.50	\$0
April	338	8	100%	198,557	574	\$0.080	\$15,980	629	1.82	\$7.73	0	\$4.50	\$0
May	239	37	100%	168,041	609	\$0.079	\$13,200	445	1.61	\$7.73	0	\$4.50	\$0
June	21	181	100%	185,832	920	\$0.077	\$14,388	39	0.19	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		1,206,852	349	\$0.075	\$91,085	6,016	1.74	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		2,414,728	382	\$0.073	\$176,491	9,891	1.57	\$7.73	0	\$4.50	\$0

Building Data:	1975	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	199,380	Electricity = KWH X 3413	8,241,467
Gross Volume (ft)3	1,595,040	Steam = M (lbs) X 1,000,000	9,890,597
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	18,132,064

ENERGY COST / SQ. FT. / YEAR	\$1.27
WATER COST TOTAL/YEAR	\$15,966
WATER / SQ. FT. / YEAR	\$0.08
UTILITY COST/YEAR	\$268,920

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{18,132,063,905}{199,380} = 90,904 \text{ THERMS}$$

Divided by 100,000 =

$$0.9094$$

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	54,695	176	\$0.069	\$3,790	0	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	64,726	202	\$0.070	\$4,526	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	63,351	404	\$0.073	\$4,627	15	0.10	\$7.73	0	\$4.50	\$0
October	305	25	100%	60,035	182	\$0.074	\$4,416	122	0.37	\$7.73	0	\$4.50	\$0
November	580	4	100%	51,520	88	\$0.071	\$3,669	231	0.40	\$7.73	0	\$4.50	\$0
December	1158	0	100%	20,000	17	\$0.068	\$1,364	462	0.40	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		314,327	110	\$0.071	\$22,393	830	0.29	\$7.73	0	\$4.50	\$0
January	1032	0	100%	20,000	19	\$0.072	\$1,434	411	0.40	\$7.73	0	\$4.50	\$0
February	731	0	100%	40,965	56	\$0.074	\$3,022	291	0.40	\$7.73	0	\$4.50	\$0
March	872	0	100%	56,303	65	\$0.072	\$4,066	348	0.40	\$7.73	0	\$4.50	\$0
April	338	8	100%	50,306	145	\$0.080	\$4,049	135	0.39	\$7.73	0	\$4.50	\$0
May	239	37	100%	59,440	215	\$0.079	\$4,669	95	0.35	\$7.73	0	\$4.50	\$0
June	21	181	100%	64,677	320	\$0.077	\$5,008	8	0.04	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		291,691	84	\$0.076	\$22,247	1,289	0.37	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		606,018	96	\$0.074	\$44,640	2,119	0.34	\$7.73	0	\$4.50	\$0

Building Data: 1935  
 Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 Gross Area (ft)2 42,710 Electricity = KWH X 3413 2,068,339  
 Gross Volume (ft)3 341,680 Steam = M (lbs) X 1,000,000 2,118,705  
 General Notes: Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 4,187,044

CHILLED WATER COST/YEAR \$4,214  
 ENERGY COST / SQ. FT. / YEAR \$1.53  
 WATER COST TOTAL/YEAR \$7,436  
 WATER / SQ. FT. / YEAR \$0.17  
 UTILITY COST/YEAR \$72,669

Energy Utilization Index =  
 Total BTU Consumption/Yr 4,187,044,460  
 Gross Area (ft) 2 42,710  
 Divided by 100,000 = 0.9803 THERMS



BUILDING: Sculptural Studies  
 FY YEAR: 2017

DATE : 02/15/18

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 Gall/Hr TOTAL
July	1	309	100%	3,550	11	\$0.129	\$458	28	0.09	\$14.04	\$393	0	\$4.50	\$0	\$851
August	0	321	100%	3,550	11	\$0.129	\$458	0	0.00	\$0.00	\$264	0	\$4.50	\$0	\$722
September	38	119	100%	7,600	48	\$0.129	\$980	2	0.01	\$137.78	\$276	0	\$4.50	\$0	\$1,256
October	305	25	100%	10,100	31	\$0.129	\$1,303	37	0.11	\$11.65	\$431	0	\$4.50	\$0	\$1,734
November	580	4	100%	8,300	14	\$0.129	\$1,071	187	0.32	\$5.27	\$985	0	\$4.50	\$0	\$2,056
December	1158	0	100%	10,600	9	\$0.129	\$1,367	456	0.39	\$4.33	\$1,973	0	\$4.50	\$0	\$3,340
1st half yr	2082	778		43,700	15	\$0.129	\$5,638	710	0.25	\$6.09	\$4,322	0	\$4.50	\$0	\$9,959
January	1032	0	100%	8,200	8	\$0.129	\$1,058	601	0.58	\$4.23	\$2,540	0	\$4.50	\$0	\$3,598
February	731	0	100%	7,000	10	\$0.129	\$903	350	0.48	\$4.70	\$1,646	0	\$4.50	\$0	\$2,549
March	872	0	100%	7,700	9	\$0.129	\$993	236	0.27	\$5.59	\$1,318	0	\$4.50	\$0	\$2,312
April	338	8	100%	8,600	25	\$0.129	\$1,109	232	0.67	\$5.44	\$1,262	0	\$4.50	\$0	\$2,372
May	239	37	100%	8,300	30	\$0.129	\$1,071	126	0.46	\$5.41	\$682	0	\$4.50	\$0	\$1,752
June	21	181	100%	5,000	25	\$0.129	\$645	9	0.04	\$37.06	\$334	0	\$4.50	\$0	\$979
2nd half yr	3233	226		44,800	13	\$0.129	\$5,780	1,554	0.45	\$5.01	\$7,782	0	\$4.50	\$0	\$13,562
TOTAL/YEAR	5315	1004		88,500	14	\$0.129	\$11,417	2,264	0.36	\$5.35	\$12,104	0	\$4.50	\$0	\$23,521

Building Data: 1994 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

302,051

Natural Gas = MCF X 102,500

232,060

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

534,111

Energy Utilization Index =

Total BTU Consumption/Yr 534,110,500

Gross Area (ft) 2

7,502

Divided by 100,000 =

0.7120

THERMS

ENERGY COST / SQ. FT. / YEAR \$3.14  
 WATER COST TOTAL/YEAR \$8,270  
 WATER / SQ. FT. / YEAR \$1.10  
 UTILITY COST/YEAR \$31,791

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	31,293	101	\$0.069	\$2,168	0	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	36,082	112	\$0.070	\$2,523	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	37,879	241	\$0.073	\$2,766	17	0.11	\$7.73	0	\$4.50	\$0
October	305	25	100%	36,154	110	\$0.074	\$2,659	136	0.41	\$7.73	0	\$4.50	\$0
November	580	4	100%	30,121	52	\$0.071	\$2,145	260	0.44	\$7.73	0	\$4.50	\$0
December	1158	0	100%	40,808	35	\$0.068	\$2,784	518	0.45	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		212,337	74	\$0.071	\$15,047	932	0.33	\$7.73	0	\$4.50	\$0
January	1032	0	100%	28,549	28	\$0.072	\$2,047	462	0.45	\$7.73	0	\$4.50	\$0
February	731	0	100%	25,056	34	\$0.074	\$1,848	327	0.45	\$7.73	0	\$4.50	\$0
March	872	0	100%	33,489	38	\$0.072	\$2,419	390	0.45	\$7.73	0	\$4.50	\$0
April	338	8	100%	29,920	86	\$0.080	\$2,408	151	0.44	\$7.73	0	\$4.50	\$0
May	239	37	100%	44,000	159	\$0.079	\$3,456	107	0.39	\$7.73	0	\$4.50	\$0
June	21	181	100%	44,000	218	\$0.077	\$3,407	9	0.05	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		205,014	59	\$0.076	\$15,584	1,447	0.42	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		417,351	66	\$0.073	\$30,631	2,378	0.38	\$7.73	0	\$4.50	\$0

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 1,424,419  
 Electricity = KWH X 3413  
 Steam = M (lbs) X 1,000,000 2,378,496  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 3,802,915

Energy Utilization Index =  
 Total BTU Consumption/Yr 3,802,914,629  
 Gross Area (ft) 2 47,947  
 Divided by 100,000 = 0.7931 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.02  
 WATER COST TOTAL/YEAR \$2,300  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$51,319

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
July	1	309	100%	179	1	\$0.140	\$25	0	0.00	\$0.00	\$27	0	\$4.50	\$0
August	0	321	100%	179	1	\$0.140	\$25	2	0.01	\$20.74	\$35	0	\$4.50	\$0
September	38	119	100%	306	2	\$0.140	\$43	7	0.04	\$9.38	\$61	0	\$4.50	\$0
October	305	25	100%	194	1	\$0.140	\$27	18	0.05	\$6.71	\$118	0	\$4.50	\$0
November	580	4	100%	277	0	\$0.140	\$39	33	0.06	\$6.06	\$199	0	\$4.50	\$0
December	1158	0	100%	898	1	\$0.140	\$126	42	0.04	\$5.74	\$240	0	\$4.50	\$0
1st half yr	2082	778		2,033	1	\$0.140	\$285	100	0.04	\$6.77	\$680	0	\$4.50	\$0
January	1032	0	100%	1,235	1	\$0.140	\$173	36	0.03	\$5.85	\$209	0	\$4.50	\$0
February	731	0	100%	1,062	1	\$0.140	\$149	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	872	0	100%	891	1	\$0.140	\$125	31	0.04	\$5.96	\$186	0	\$4.50	\$0
April	338	8	100%	734	2	\$0.140	\$103	37	0.11	\$6.09	\$223	0	\$4.50	\$0
May	239	37	100%	342	1	\$0.140	\$48	6	0.02	\$9.33	\$60	0	\$4.50	\$0
June	21	181	100%	224	1	\$0.140	\$31	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		4,488	1	\$0.140	\$628	110	0.03	\$6.17	\$678	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		6,521	1	\$0.140	\$913	210	0.03	\$6.45	\$1,357	0	\$4.50	\$0

Building Data: 1932 est Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 22,254  
 Electricity = KWH X 3413  
 Natural Gas = MCF X 102,500  
 Fuel Oil = Gallons X 138,690  
 Other Fuel  
 TOTAL BTU's x 1,000  
 43,810

Energy Utilization Index =

Total BTU Consumption/Yr  
 43,810,217  
 Gross Area (ft) 2  
 7,386

Divided by 100,000 = 0.0593 THERMS

ENERGY COST / SQ. FT. / YEAR \$0.31  
 WATER COST TOTAL/YEAR \$880  
 WATER / SQ. FT. / YEAR \$0.12  
 UTILITY COST/YEAR \$3,150

BUILDING: Stranahan Hall  
 FY YEAR: 2017

DATE : 02/15/18

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	101,800	328	\$0.069	\$7,054	1	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	120,711	376	\$0.070	\$8,442	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	119,400	761	\$0.073	\$8,720	43	0.27	\$7.73	0	\$4.50	\$0
October	305	25	100%	125,846	381	\$0.074	\$9,257	345	1.04	\$7.73	0	\$4.50	\$0
November	580	4	100%	120,346	206	\$0.071	\$8,571	656	1.12	\$7.73	0	\$4.50	\$0
December	1158	0	100%	122,055	105	\$0.068	\$8,327	1,309	1.13	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		710,158	248	\$0.071	\$50,370	2,354	0.82	\$7.73	0	\$4.50	\$0
January	1032	0	100%	125,814	122	\$0.072	\$9,020	1,167	1.13	\$7.73	0	\$4.50	\$0
February	731	0	100%	106,157	145	\$0.074	\$7,831	826	1.13	\$7.73	0	\$4.50	\$0
March	872	0	100%	129,862	149	\$0.072	\$9,379	986	1.13	\$7.73	0	\$4.50	\$0
April	338	8	100%	111,179	321	\$0.080	\$8,948	382	1.10	\$7.73	0	\$4.50	\$0
May	239	37	100%	102,409	371	\$0.079	\$8,044	270	0.98	\$7.73	0	\$4.50	\$0
June	21	181	100%	123,776	613	\$0.077	\$9,583	24	0.12	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		699,196	202	\$0.076	\$52,805	3,655	1.06	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,409,354	223	\$0.073	\$103,175	6,009	0.95	\$7.73	0	\$4.50	\$0

Building Data: 1984 Energy Consumption to BTU Conversions

Gross Area (ft)2 121,135 Electricity = KWH X 3413 BTU's x 1,000 4,810,125

Gross Volume (ft)3 969,080 Steam = M (lbs) X 1,000,000 6,009,116  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 10,819,240,945  
 Divided by 100,000 = 0.8932 THERMS  
 Gross Area (ft) 2 121,135

ENERGY COST / SQ. FT. / YEAR \$1.24  
 WATER COST TOTAL/YEAR \$5,811  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$155,441

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)	1000 cubic feet (Mcf)	Cost per McF
July	1	309	100%	226,597	731	\$0.069	\$15,701	1	0.00	\$7.73	1	\$4.03	\$4
August	0	321	100%	243,649	759	\$0.070	\$17,039	0	0.00	\$7.73	1	\$5.26	\$5
September	38	119	100%	255,708	1,629	\$0.073	\$18,674	56	0.36	\$7.73	3	\$4.10	\$12
October	305	25	100%	248,779	754	\$0.074	\$18,299	448	1.36	\$7.73	1	\$3.99	\$4
November	580	4	100%	225,694	386	\$0.071	\$16,074	852	1.46	\$7.73	1	\$3.71	\$4
December	1158	0	100%	236,952	205	\$0.068	\$16,166	1,702	1.47	\$7.73	1	\$3.69	\$4
1st half yr	2082	778		1,437,378	503	\$0.071	\$101,953	3,059	1.07	\$7.73	8	\$4.12	\$33
January	1032	0	100%	243,967	236	\$0.072	\$17,491	1,517	1.47	\$7.73	1	\$3.75	\$4
February	731	0	100%	202,632	277	\$0.074	\$14,947	1,074	1.47	\$7.73	3	\$3.82	\$11
March	872	0	100%	242,949	279	\$0.072	\$17,546	1,281	1.47	\$7.73	1	\$4.22	\$4
April	338	8	100%	221,743	641	\$0.080	\$17,846	497	1.44	\$7.73	3	\$4.15	\$12
May	239	37	100%	230,157	834	\$0.079	\$18,079	351	1.27	\$7.73	1	\$2.92	\$3
June	21	181	100%	264,505	1,309	\$0.077	\$20,480	31	0.15	\$7.73	3	\$4.21	\$13
2nd half yr	3233	226		1,405,952	406	\$0.076	\$106,388	4,751	1.37	\$7.73	12	\$3.95	\$47
TOTAL/YEAR	5315	1004		2,843,330	450	\$0.073	\$208,341	7,810	1.24	\$7.73	20	\$4.02	\$80

Building Data: 1990  
 Gross Area (ft)2 157,446  
 Gross Volume (ft)3 1,259,568

Energy Consumption to BTU Conversions  
 BTU's x 1,000 9,704,287  
 Electricity = KWH X 3413  
 Natural Gas = MCF X 102,500  
 Fuel Oil = Gallons X 138,690  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 10,560,327.329  
 Gross Area (ft) 2 157,446  
 Divided by 100,000 = 0.6707 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.71  
 WATER COST TOTAL/YEAR \$39,486  
 WATER / SQ. FT. / YEAR \$0.25  
 UTILITY COST/YEAR \$308,289

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)	1000 cubic feet (Mcf)	Cost per McF
July	1	309	100%	150,517	486	\$0.069	\$10,430	2	0.00	\$7.73	56	\$4.03	\$226
August	0	321	100%	248,332	774	\$0.070	\$17,367	0	0.00	\$7.73	56	\$5.27	\$295
September	38	119	100%	251,234	1,600	\$0.073	\$18,348	78	0.50	\$7.73	203	\$4.10	\$832
October	305	25	100%	246,284	746	\$0.074	\$18,115	630	1.91	\$7.73	188	\$3.99	\$750
November	580	4	100%	189,160	324	\$0.071	\$13,472	1,198	2.05	\$7.73	243	\$3.71	\$900
December	1158	0	100%	213,423	184	\$0.068	\$14,561	2,391	2.06	\$7.73	222	\$3.70	\$820
1st half yr	2082	778		1,298,950	454	\$0.071	\$92,292	4,299	1.50	\$7.73	968	\$3.95	\$3,824
January	1032	0	100%	205,077	199	\$0.072	\$14,703	2,131	2.06	\$7.73	130	\$3.75	\$488
February	731	0	100%	206,830	283	\$0.074	\$15,257	1,509	2.06	\$7.73	293	\$3.82	\$1,118
March	872	0	100%	246,219	282	\$0.072	\$17,782	1,800	2.06	\$7.73	205	\$4.21	\$864
April	338	8	100%	225,173	651	\$0.080	\$18,122	698	2.02	\$7.73	248	\$4.15	\$1,030
May	239	37	100%	182,066	660	\$0.079	\$14,301	493	1.79	\$7.73	263	\$2.92	\$768
June	21	181	100%	190,446	943	\$0.077	\$14,746	43	0.21	\$7.73	99	\$4.21	\$417
2nd half yr	3233	226		1,255,811	363	\$0.076	\$94,910	6,675	1.93	\$7.73	1,238	\$3.78	\$4,684
TOTAL/YEAR	5315	1004		2,554,761	404	\$0.073	\$187,202	10,974	1.74	\$7.73	2,206	\$3.86	\$8,508

Building Data: 1959 Energy Consumption to BTU Conversions

BTU's x 1,000

8,719,399

Electricity = KWH X 3413

Gross Area (ft)2 221,225

Steam = M (lbs) X 1,000,000

10,974,257

Total BTU Consumption/Yr 19,919,771,363

Gross Area (ft) 2 221,225

General Notes:

Natural Gas = MCF X 102,500

226,115

Divided by 100,000 =

0.9004

THERMS

Other Fuel

0

TOTAL BTU's x 1,000 19,919,771

ENERGY COST / SQ. FT. / YEAR \$1.27  
 WATER COST TOTAL/YEAR \$147,844  
 WATER / SQ. FT. / YEAR \$0.67  
 UTILITY COST/YEAR \$428,395

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	16,027	52	\$0.069	\$1,111	0	0.00	\$7.73	0	\$4.50	\$0
August	0	321	100%	17,957	56	\$0.070	\$1,256	0	0.00	\$7.73	0	\$4.50	\$0
September	38	119	100%	19,041	121	\$0.073	\$1,391	5	0.03	\$7.73	0	\$4.50	\$0
October	305	25	100%	23,030	70	\$0.074	\$1,694	38	0.12	\$7.73	0	\$4.50	\$0
November	580	4	100%	20,315	35	\$0.071	\$1,447	73	0.12	\$7.73	0	\$4.50	\$0
December	1158	0	100%	29,113	25	\$0.068	\$1,986	145	0.13	\$7.73	0	\$4.50	\$0
1st half yr	2082	778		125,483	44	\$0.071	\$8,884	260	0.09	\$7.73	0	\$4.50	\$0
January	1032	0	100%	19,954	19	\$0.072	\$1,431	129	0.13	\$7.73	0	\$4.50	\$0
February	731	0	100%	17,188	24	\$0.074	\$1,268	91	0.13	\$7.73	0	\$4.50	\$0
March	872	0	100%	22,917	26	\$0.072	\$1,655	109	0.13	\$7.73	0	\$4.50	\$0
April	338	8	100%	18,293	53	\$0.080	\$1,472	42	0.12	\$7.73	0	\$4.50	\$0
May	239	37	100%	20,596	75	\$0.079	\$1,618	30	0.11	\$7.73	0	\$4.50	\$0
June	21	181	100%	18,291	91	\$0.077	\$1,416	3	0.01	\$7.73	0	\$4.50	\$0
2nd half yr	3233	226		117,239	34	\$0.076	\$8,860	404	0.12	\$7.73	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		242,722	38	\$0.073	\$17,744	665	0.11	\$7.73	0	\$4.50	\$0

Building Data:	1994	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	13,401	Electricity = KWH X 3413	828,410
Gross Volume (ft)3	107,208	Steam = M (lbs) X 1,000,000	664,780
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,493,190
		Energy Utilization Index =	
		Total BTU Consumption/Yr	1,493,190,473
		Gross Area (ft) 2	13,401
		Divided by 100,000 =	1.1142
			THERMS

ENERGY COST / SQ. FT. / YEAR \$1.71  
 WATER COST TOTAL/YEAR \$1,229  
 WATER / SQ. FT. / YEAR \$0.09  
 UTILITY COST/YEAR \$24,112

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
July	1	309	100%	26,476	85	\$0.069	\$1,835	14	0.05	\$4.03	\$56	0	\$4.50	\$0
August	0	321	100%	29,328	91	\$0.070	\$2,051	3	0.01	\$5.27	\$16	0	\$4.50	\$0
September	38	119	100%	25,907	165	\$0.073	\$1,892	21	0.13	\$4.10	\$86	0	\$4.50	\$0
October	305	25	100%	23,908	72	\$0.074	\$1,759	51	0.15	\$3.99	\$204	0	\$4.50	\$0
November	580	4	100%	19,223	33	\$0.071	\$1,369	94	0.16	\$3.71	\$348	0	\$4.50	\$0
December	1158	0	100%	18,788	16	\$0.068	\$1,282	177	0.15	\$3.70	\$654	0	\$4.50	\$0
1st half yr	2082	778		143,630	50	\$0.071	\$10,187	360	0.13	\$3.79	\$1,364	0	\$4.50	\$0
January	1032	0	100%	19,069	18	\$0.072	\$1,367	188	0.18	\$3.75	\$705	0	\$4.50	\$0
February	731	0	100%	15,706	21	\$0.074	\$1,159	353	0.48	\$3.82	\$1,347	0	\$4.50	\$0
March	872	0	100%	19,002	22	\$0.072	\$1,372	134	0.15	\$4.21	\$565	0	\$4.50	\$0
April	338	8	100%	17,479	51	\$0.080	\$1,407	137	0.40	\$4.15	\$569	0	\$4.50	\$0
May	239	37	100%	20,077	73	\$0.079	\$1,577	101	0.37	\$2.92	\$295	0	\$4.50	\$0
June	21	181	100%	20,077	99	\$0.077	\$1,555	30	0.15	\$4.21	\$126	0	\$4.50	\$0
2nd half yr	3233	226		111,410	32	\$0.076	\$8,436	943	0.27	\$3.82	\$3,607	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		255,039	40	\$0.073	\$18,623	1,303	0.21	\$3.82	\$4,971	0	\$4.50	\$0

Building Data: 1959 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Gross Area (ft)2

Energy Utilization Index =

Total BTU Consumption/Yr 1,004,006,972

Gross Area (ft) 2 19,826

Divided by 100,000 = 0.5064

THERMS

Fuel Oil = Gallons X 138,690

Natural Gas = MCF X 102,500

Gross Volume (ft)3

0

133,558

158,608

Other Fuel

0

0

TOTAL BTU's x 1,000

1,004,007

1,004,007

ENERGY COST / SQ. FT. / YEAR \$1.19

WATER COST TOTAL/YEAR \$2,819

WATER / SQ. FT. / YEAR \$0.14

UTILITY COST/YEAR \$26,413



MONTg	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM			NATURAL GAS			TOTAL ENERGY COST
	heating	Cooling	% P.F.	kWg	kWg per DD	Cost per kWg	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	1000 cubic feet (Mcf)	Cost per McF	
July	1	309	100%	148,248	478	\$0.069	0	0.00	\$7.73	380	\$4.03	\$1,532
August	0	321	100%	167,156	521	\$0.070	0	0.00	\$7.73	374	\$5.27	\$1,971
September	38	119	100%	150,466	958	\$0.073	12	0.07	\$7.73	511	\$4.10	\$2,095
October	305	25	100%	154,842	469	\$0.074	94	0.28	\$7.73	391	\$3.99	\$1,560
November	580	4	100%	150,482	258	\$0.071	178	0.30	\$7.73	443	\$3.71	\$1,642
December	1158	0	100%	164,632	142	\$0.068	355	0.31	\$7.73	60	\$3.70	\$222
1st half yr	2082	778		935,826	327	\$0.071	639	0.22	\$7.73	2,159	\$4.18	\$9,022
January	1032	0	100%	162,022	157	\$0.072	317	0.31	\$7.73	0	\$0.00	\$0
February	731	0	100%	149,978	205	\$0.074	224	0.31	\$7.73	0	\$0.00	\$0
March	872	0	100%	180,859	207	\$0.072	268	0.31	\$7.73	0	\$0.00	\$0
April	338	8	100%	152,740	441	\$0.080	104	0.30	\$7.73	0	\$0.00	\$0
May	239	37	100%	166,934	605	\$0.079	73	0.27	\$7.73	0	\$0.00	\$0
June	21	181	100%	172,697	855	\$0.077	6	0.03	\$7.73	0	\$0.00	\$0
2nd half yr	3233	226		985,230	285	\$0.076	992	0.29	\$7.73	0	\$0.00	\$0
<b>TOTAL/YEAR</b>	<b>5315</b>	<b>1004</b>		<b>1,921,055</b>	<b>304</b>	<b>\$0.073</b>	<b>1,631</b>	<b>0.26</b>	<b>\$7.73</b>	<b>2,159</b>	<b>\$4.18</b>	<b>\$9,022</b>

Building Data: 1966 Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 Gross Area (ft)2 32,872 Electricity = KWH X 3413 6,556,561  
 Gross Volume (ft)3 262,976 Natural Gas = MCF X 102,500 167,144  
 General Notes: Fuel Oil = Gallons X 138,690 5,988,634  
 Other Fuel 0  
 TOTAL BTU's x 1,000 12,712,339

Energy Utilization Index =  
 Total BTU Consumption/Yr 12,712,339,306  
 Gross Area (ft) 2 32,872  
 Divided by 100,000 = 3.8672 THERMS

ENERGY COST / SQ. FT. / YEAR \$4.94  
 WATER COST TOTAL/YEAR \$9,981  
 WATER / SQ. FT. / YEAR \$0.30  
 UTILITY COST/YEAR \$172,416

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	1	309	100%	297,780	961	\$0.069	\$20,634	3	0.01	\$7.73	\$21	19	\$4.03	\$77	\$20,731
August	0	321	100%	339,243	1,057	\$0.070	\$23,724	0	0.00	\$7.73	\$0	18	\$5.27	\$95	\$23,819
September	38	119	100%	317,026	2,019	\$0.073	\$23,153	104	0.66	\$7.73	\$802	22	\$4.10	\$90	\$24,045
October	305	25	100%	318,806	966	\$0.074	\$23,450	833	2.52	\$7.73	\$6,440	23	\$3.99	\$92	\$29,981
November	580	4	100%	314,631	539	\$0.071	\$22,408	1,584	2.71	\$7.73	\$12,247	33	\$3.71	\$122	\$34,777
December	1158	0	100%	355,160	307	\$0.068	\$24,231	3,163	2.73	\$7.73	\$24,451	74	\$3.70	\$273	\$48,955
1st half yr	2082	778		1,942,647	679	\$0.071	\$137,599	5,686	1.99	\$7.73	\$43,961	189	\$3.96	\$749	\$182,309
January	1032	0	100%	325,004	315	\$0.072	\$23,301	2,819	2.73	\$7.73	\$21,791	79	\$3.75	\$296	\$45,388
February	731	0	100%	281,329	385	\$0.074	\$20,752	1,997	2.73	\$7.73	\$15,435	76	\$3.82	\$290	\$36,477
March	872	0	100%	330,494	379	\$0.072	\$23,868	2,382	2.73	\$7.73	\$18,412	46	\$4.21	\$194	\$42,475
April	338	8	100%	270,026	780	\$0.080	\$21,732	923	2.67	\$7.73	\$7,137	38	\$4.15	\$158	\$29,026
May	239	37	100%	270,001	978	\$0.079	\$21,209	653	2.37	\$7.73	\$5,046	25	\$2.92	\$73	\$26,328
June	21	181	100%	270,001	1,337	\$0.077	\$20,905	57	0.28	\$7.73	\$443	14	\$4.21	\$59	\$21,407
2nd half yr	3233	226		1,746,855	505	\$0.075	\$131,766	8,830	2.55	\$7.73	\$68,265	278	\$3.85	\$1,070	\$201,101
<b>TOTAL/YEAR</b>	<b>5315</b>	<b>1004</b>		<b>3,689,502</b>	<b>584</b>	<b>\$0.073</b>	<b>\$269,365</b>	<b>14,517</b>	<b>2.30</b>	<b>\$7.73</b>	<b>\$112,226</b>	<b>467</b>	<b>\$3.90</b>	<b>\$1,819</b>	<b>\$383,410</b>

Building Data: 1931 Energy Consumption to BTU Conversions

Gross Area (ft)2 292,633 Electricity = KWH X 3413 BTU's x 1,000 12,592,269

Gross Volume (ft)3 2,341,064 Steam = M (lbs) X 1,000,000 14,516,577

General Notes: Natural Gas = MCF X 102,500 47,868  
 Other Fuel 0  
 Total BTU Consumption/Yr 27,156,713,220  
 Divided by 100,000 = 0.9280 THERMS  
 Gross Area (ft) 2 292,633

ENERGY COST / SQ. FT. / YEAR \$1.31  
 WATER COST TOTAL/YEAR \$14,038  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$397,448

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
July	1	309	100%	39,880	129	\$0.092	\$3,669	29	0.09	\$32.02	\$929	0	\$4.50	\$0
August	0	321	100%	39,880	124	\$0.092	\$3,669	29	0.09	\$33.20	\$963	0	\$4.50	\$0
September	38	119	100%	35,980	229	\$0.092	\$3,310	29	0.18	\$32.34	\$938	0	\$4.50	\$0
October	305	25	100%	37,480	114	\$0.092	\$3,448	33	0.10	\$28.69	\$947	0	\$4.50	\$0
November	580	4	100%	37,180	64	\$0.092	\$3,421	301	0.52	\$6.53	\$1,965	0	\$4.50	\$0
December	1158	0	100%	40,680	35	\$0.092	\$3,743	1,089	0.94	\$4.46	\$4,857	0	\$4.50	\$0
1st half yr	2082	778		231,080	81	\$0.092	\$21,259	1,510	0.53	\$7.02	\$10,598	0	\$4.50	\$0
January	1032	0	100%	45,960	45	\$0.092	\$4,228	1,559	1.51	\$4.27	\$6,660	0	\$4.50	\$0
February	731	0	100%	92,460	126	\$0.092	\$8,506	1,027	1.40	\$4.67	\$4,800	0	\$4.50	\$0
March	872	0	100%	43,960	50	\$0.092	\$4,044	847	0.97	\$5.31	\$4,495	0	\$4.50	\$0
April	338	8	100%	42,960	124	\$0.092	\$3,952	735	2.12	\$5.30	\$3,895	0	\$4.50	\$0
May	239	37	100%	41,640	151	\$0.092	\$3,831	221	0.80	\$6.94	\$1,533	0	\$4.50	\$0
June	21	181	100%	39,500	196	\$0.092	\$3,634	62	0.31	\$18.08	\$1,121	0	\$4.50	\$0
2nd half yr	3233	226		306,480	89	\$0.092	\$28,196	4,451	1.29	\$5.06	\$22,505	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		537,560	85	\$0.092	\$49,456	5,961	0.94	\$5.55	\$33,103	0	\$4.50	\$0

Building Data: 1946 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

271,332

Gross Area (ft)2

1,834,692

Natural Gas = MCF X 102,500

2,170,656

Gross Volume (ft)3

611,003

Fuel Oil = Gallons X 138,690

2,170,656

General Notes:

0

Other Fuel

2,170,656

0

TOTAL BTU's x 1,000

2,445,695

ENERGY COST / SQ. FT. / YEAR \$0.30  
 WATER COST TOTAL/YEAR \$6,188  
 WATER / SQ. FT. / YEAR \$0.02  
 UTILITY COST/YEAR \$88,746

Energy Utilization Index =

Total BTU Consumption/Yr 2,445,694,780  
 Gross Area (ft) 2 271,332

Divided by 100,000 = 0.0901 THERMS

BUILDING: Wolfe Hall  
 FY YEAR: 2017

DATE : 02/15/18

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	1	309	100%	401,253	1,294	\$0.069	\$27,804	2	0.01	\$7.73	\$14	1	\$39.05	\$31	\$27,848
August	0	321	100%	471,757	1,470	\$0.070	\$32,991	0	0.00	\$7.73	\$0	1	\$43.21	\$30	\$33,021
September	38	119	100%	430,548	2,742	\$0.073	\$31,443	67	0.43	\$7.73	\$517	1	\$35.41	\$32	\$31,992
October	305	25	100%	460,335	1,395	\$0.074	\$33,860	537	1.63	\$7.73	\$4,148	1	\$49.73	\$30	\$38,038
November	580	4	100%	459,812	787	\$0.071	\$32,748	1,020	1.75	\$7.73	\$7,889	1	\$50.52	\$30	\$40,667
December	1158	0	100%	523,612	452	\$0.068	\$35,723	2,037	1.76	\$7.73	\$15,750	1	\$49.65	\$30	\$51,503
1st half yr	2082	778		2,747,317	961	\$0.071	\$194,569	3,663	1.28	\$7.73	\$28,318	4	\$43.64	\$183	\$223,070
January	1032	0	100%	491,092	476	\$0.072	\$35,208	1,816	1.76	\$7.73	\$14,037	1	\$49.57	\$30	\$49,275
February	731	0	100%	402,379	550	\$0.074	\$29,681	1,286	1.76	\$7.73	\$9,943	1	\$31.84	\$32	\$39,655
March	872	0	100%	502,881	577	\$0.072	\$36,318	1,534	1.76	\$7.73	\$11,860	1	\$26.88	\$32	\$48,211
April	338	8	100%	416,320	1,203	\$0.080	\$33,505	595	1.72	\$7.73	\$4,597	1	\$32.70	\$33	\$38,135
May	239	37	100%	470,191	1,704	\$0.079	\$36,933	420	1.52	\$7.73	\$3,251	2	\$18.36	\$39	\$40,223
June	21	181	100%	474,798	2,350	\$0.077	\$36,762	37	0.18	\$7.73	\$286	0	\$0.00	\$0	\$37,047
2nd half yr	3233	226		2,757,661	797	\$0.076	\$208,408	5,688	1.64	\$7.73	\$43,973	6	\$27.98	\$165	\$252,546
TOTAL/YEAR	5315	1004		5,504,978	871	\$0.073	\$402,977	9,351	1.48	\$7.73	\$72,291	10	\$34.49	\$348	\$475,616

Building Data: 1997 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

18,788,490

Steam = M (lbs) X 1,000,000

9,350,925

Natural Gas = MCF X 102,500

1,035

Other Fuel

0

TOTAL BTU's x 1,000

28,140,450

Energy Utilization Index =

Total BTU Consumption/Yr 28,140,450,043

Gross Area (ft) 2

188,501

THERMS

Divided by 100,000 =

1.4929

ENERGY COST / SQ. FT. / YEAR \$2.52  
 WATER COST TOTAL/YEAR \$48,870  
 WATER / SQ. FT. / YEAR \$0.26  
 UTILITY COST/YEAR \$524,486

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	106,150	342	\$0.068	\$7,219	1	0.00	\$7.66	0	\$4.50	\$0
August	0	321	100%	93,527	291	\$0.068	\$6,384	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	103,645	660	\$0.072	\$7,429	56	0.35	\$7.66	0	\$4.50	\$0
October	305	25	100%	116,836	354	\$0.072	\$8,456	446	1.35	\$7.66	0	\$4.50	\$0
November	580	4	100%	132,052	226	\$0.074	\$9,819	849	1.45	\$7.66	0	\$4.50	\$0
December	1158	0	100%	163,411	141	\$0.068	\$11,036	1,695	1.46	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		715,621	250	\$0.070	\$50,343	3,047	1.07	\$7.66	0	\$4.50	\$0
January	1032	0	100%	135,502	131	\$0.072	\$9,739	1,510	1.46	\$7.66	0	\$4.50	\$0
February	731	0	100%	118,975	163	\$0.084	\$9,939	1,070	1.46	\$7.66	0	\$4.50	\$0
March	872	0	100%	146,436	168	\$0.080	\$11,749	1,276	1.46	\$7.66	0	\$4.50	\$0
April	338	8	100%	86,705	251	\$0.082	\$7,088	495	1.43	\$7.66	0	\$4.50	\$0
May	239	37	100%	89,844	326	\$0.079	\$7,119	350	1.27	\$7.66	0	\$4.50	\$0
June	21	181	100%	85,488	423	\$0.077	\$6,621	31	0.15	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		662,950	192	\$0.079	\$52,254	4,731	1.37	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,378,571	218	\$0.075	\$102,597	7,778	1.23	\$7.66	0	\$4.50	\$0

Building Data: 2003

Energy Consumption to BTU Conversions

BTU's x 1,000

4,705,063

Electricity = KWH X 3413

7,777,880

Steam = M (lbs) X 1,000,000

0

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

12,482,943

Energy Utilization Index =

Total BTU Consumption/Yr

12,482,942,604

Gross Area (ft) 2

88,810

Divided by 100,000 =

1.4056

THERMS

General Notes:

ENERGY COST / SQ. FT. / YEAR \$1.83  
 WATER COST TOTAL/YEAR \$8,215  
 WATER / SQ. FT. / YEAR \$0.09  
 UTILITY COST/YEAR \$170,411

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	92,860	300	\$0.068	\$6,315	2	0.01	\$7.66	0	\$4.50	\$0
August	0	321	100%	83,042	259	\$0.068	\$5,668	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	90,605	577	\$0.072	\$6,494	70	0.44	\$7.66	0	\$4.50	\$0
October	305	25	100%	87,042	264	\$0.072	\$6,300	560	1.70	\$7.66	0	\$4.50	\$0
November	580	4	100%	76,242	131	\$0.074	\$5,669	1,064	1.82	\$7.66	0	\$4.50	\$0
December	1158	0	100%	101,595	88	\$0.068	\$6,861	2,125	1.84	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		531,386	186	\$0.070	\$37,308	3,820	1.34	\$7.66	0	\$4.50	\$0
January	1032	0	100%	84,511	82	\$0.072	\$6,074	1,894	1.84	\$7.66	0	\$4.50	\$0
February	731	0	100%	83,643	114	\$0.084	\$6,987	1,341	1.84	\$7.66	0	\$4.50	\$0
March	872	0	100%	96,417	111	\$0.080	\$7,736	1,600	1.84	\$7.66	0	\$4.50	\$0
April	338	8	100%	82,367	238	\$0.082	\$6,733	620	1.79	\$7.66	0	\$4.50	\$0
May	239	37	100%	80,110	290	\$0.079	\$6,348	439	1.59	\$7.66	0	\$4.50	\$0
June	21	181	100%	82,173	407	\$0.077	\$6,364	39	0.19	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		509,221	147	\$0.079	\$40,242	5,933	1.72	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,040,607	165	\$0.075	\$77,549	9,753	1.54	\$7.66	0	\$4.50	\$0

Building Data:	1996	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	111,363	Electricity = KWH X 3413	3,551,592
Gross Volume (ft)3	890,904	Steam = M (lbs) X 1,000,000	9,753,046
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	13,304,638

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{13,304,637,812}{111,363}$$

$$\text{Divided by 100,000} = 1.1947 \text{ THERMS}$$

ENERGY COST / SQ. FT. / YEAR	\$1.37
WATER COST TOTAL/YEAR	\$25,718
WATER / SQ. FT. / YEAR	\$0.23
UTILITY COST/YEAR	\$178,002

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	115,512	373	\$0.068	\$7,855	1	0.00	\$7.66	0	\$4.50	\$0
August	0	321	100%	98,662	307	\$0.068	\$6,734	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	109,392	697	\$0.072	\$7,841	28	0.18	\$7.66	0	\$4.50	\$0
October	305	25	100%	103,525	314	\$0.072	\$7,492	221	0.67	\$7.66	0	\$4.50	\$0
November	580	4	100%	91,181	156	\$0.074	\$6,780	420	0.72	\$7.66	0	\$4.50	\$0
December	1158	0	100%	123,525	107	\$0.068	\$8,342	839	0.72	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		641,797	224	\$0.070	\$45,046	1,509	0.53	\$7.66	0	\$4.50	\$0
January	1032	0	100%	104,004	101	\$0.072	\$7,475	748	0.72	\$7.66	0	\$4.50	\$0
February	731	0	100%	99,860	137	\$0.084	\$8,342	530	0.72	\$7.66	0	\$4.50	\$0
March	872	0	100%	116,942	134	\$0.080	\$9,382	632	0.72	\$7.66	0	\$4.50	\$0
April	338	8	100%	100,202	290	\$0.082	\$8,191	245	0.71	\$7.66	0	\$4.50	\$0
May	239	37	100%	103,730	376	\$0.079	\$8,219	173	0.63	\$7.66	0	\$4.50	\$0
June	21	181	100%	100,664	498	\$0.077	\$7,796	15	0.08	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		625,402	181	\$0.079	\$49,406	2,343	0.68	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,267,199	201	\$0.075	\$94,452	3,851	0.61	\$7.66	0	\$4.50	\$0

Building Data: 1981  
 Gross Area (ft)2 43,975  
 Gross Volume (ft)3 351,800

Energy Consumption to BTU Conversions  
 BTU's x 1,000 4,324,950  
 Electricity = KWH X 3413  
 Steam = M (lbs) X 1,000,000 3,851,281  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Total BTU Consumption/Yr 8,176,231,162  
 Gross Area (ft) 2 43,975  
 Divided by 100,000 = 1.8593 THERMS

ENERGY COST / SQ. FT. / YEAR \$2.82  
 WATER COST TOTAL/YEAR \$6,838  
 WATER / SQ. FT. / YEAR \$0.16  
 UTILITY COST/YEAR \$130,800

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	685,082	2,210	\$0.068	\$46,588	4	0.01	\$7.66	0	\$4.50	\$0
August	0	321	100%	616,449	1,920	\$0.068	\$42,078	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	650,856	4,146	\$0.072	\$46,652	155	0.99	\$7.66	0	\$4.50	\$0
October	305	25	100%	0	0	\$0.072	\$0	1,244	3.77	\$7.66	0	\$4.50	\$0
November	580	4	100%	0	0	\$0.074	\$0	2,366	4.05	\$7.66	0	\$4.50	\$0
December	1158	0	100%	0	0	\$0.068	\$0	4,725	4.08	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		1,952,387	683	\$0.070	\$135,318	8,495	2.97	\$7.66	0	\$4.50	\$0
January	1032	0	100%	0	0	\$0.072	\$0	4,211	4.08	\$7.66	0	\$4.50	\$0
February	731	0	100%	342,970	469	\$0.084	\$28,651	2,983	4.08	\$7.66	0	\$4.50	\$0
March	872	0	100%	473,023	542	\$0.080	\$37,951	3,558	4.08	\$7.66	0	\$4.50	\$0
April	338	8	100%	480,861	1,390	\$0.082	\$39,308	1,379	3.99	\$7.66	0	\$4.50	\$0
May	239	37	100%	545,923	1,978	\$0.079	\$43,257	975	3.53	\$7.66	0	\$4.50	\$0
June	21	181	100%	607,295	3,006	\$0.077	\$47,033	86	0.42	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		2,450,072	708	\$0.079	\$196,200	13,191	3.81	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		4,402,459	697	\$0.075	\$331,518	21,686	3.43	\$7.66	0	\$4.50	\$0

Building Data:	1977	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	247,616	Electricity = KWH X 3413	15,025,593
Gross Volume (ft)3	1,980,928	Steam = M (lbs) X 1,000,000	21,685,930
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	36,711,523

Energy Utilization Index =	Total BTU Consumption/Yr	Gross Area (ft) 2	Divided by 100,000 =	THERMS
	36,711,522,978	247,616	1.4826	

ENERGY COST / SQ. FT. / YEAR	\$2.01
WATER COST TOTAL/YEAR	\$40,650
WATER / SQ. FT. / YEAR	\$0.16
UTILITY COST/YEAR	\$538,341



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
July	1	309	100%	32,122	104	\$0.068	\$2,184	0	0.00	\$7.66	\$3	0	\$4.50	\$0
August	0	321	100%	30,901	96	\$0.068	\$2,109	0	0.00	\$7.66	\$0	0	\$4.50	\$0
September	38	119	100%	28,706	183	\$0.072	\$2,058	17	0.11	\$7.66	\$129	0	\$4.50	\$0
October	305	25	100%	21,838	66	\$0.072	\$1,580	135	0.41	\$7.66	\$1,037	0	\$4.50	\$0
November	580	4	100%	16,336	28	\$0.074	\$1,215	257	0.44	\$7.66	\$1,972	0	\$4.50	\$0
December	1158	0	100%	18,875	16	\$0.068	\$1,275	514	0.44	\$7.66	\$3,938	0	\$4.50	\$0
1st half yr	2082	778		148,778	52	\$0.070	\$10,421	924	0.32	\$7.66	\$7,080	0	\$4.50	\$0
January	1032	0	100%	16,810	16	\$0.072	\$1,208	458	0.44	\$7.66	\$3,509	0	\$4.50	\$0
February	731	0	100%	17,406	24	\$0.084	\$1,454	324	0.44	\$7.66	\$2,486	0	\$4.50	\$0
March	872	0	100%	20,133	23	\$0.080	\$1,615	387	0.44	\$7.66	\$2,965	0	\$4.50	\$0
April	338	8	100%	18,546	54	\$0.082	\$1,516	150	0.43	\$7.66	\$1,149	0	\$4.50	\$0
May	239	37	100%	19,562	71	\$0.079	\$1,550	106	0.38	\$7.66	\$813	0	\$4.50	\$0
June	21	181	100%	24,964	124	\$0.077	\$1,933	9	0.05	\$7.66	\$71	0	\$4.50	\$0
2nd half yr	3233	226		117,421	34	\$0.079	\$9,277	1,435	0.41	\$7.66	\$10,994	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		266,199	42	\$0.075	\$19,698	2,359	0.37	\$7.66	\$18,074	0	\$4.50	\$0

Building Data: 1983  
 Gross Area (ft)2 26,932  
 Gross Volume (ft)3 215,456

Energy Consumption to BTU Conversions  
 BTU's x 1,000 908,537  
 Electricity = KWH X 3413  
 Steam = M (lbs) X 1,000,000 2,358,674  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 3,267,211.416  
 Gross Area (ft) 2 26,932  
 Divided by 100,000 = 1.2131 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.40  
 WATER COST TOTAL/YEAR \$4,269  
 WATER / SQ. FT. / YEAR \$0.16  
 UTILITY COST/YEAR \$42,041

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
July	1	309	100%	51,026	165	\$0.068	\$3,470	24	0.08	\$6.78	\$163	0	\$4.50	\$0
August	0	321	100%	53,860	168	\$0.068	\$3,676	19	0.06	\$8.95	\$170	0	\$4.50	\$0
September	38	119	100%	40,094	255	\$0.072	\$2,874	19	0.12	\$7.73	\$147	0	\$4.50	\$0
October	305	25	100%	36,962	112	\$0.072	\$2,675	19	0.06	\$6.94	\$132	0	\$4.50	\$0
November	580	4	100%	31,282	54	\$0.074	\$2,326	45	0.08	\$5.59	\$251	0	\$4.50	\$0
December	1158	0	100%	31,814	27	\$0.068	\$2,149	69	0.06	\$4.89	\$337	0	\$4.50	\$0
1st half yr	2082	778		245,038	86	\$0.070	\$17,170	195	0.07	\$6.16	\$1,201	0	\$4.50	\$0
January	1032	0	100%	28,825	28	\$0.072	\$2,072	157	0.15	\$4.34	\$681	0	\$4.50	\$0
February	731	0	100%	27,606	38	\$0.084	\$2,306	114	0.16	\$4.56	\$520	0	\$4.50	\$0
March	872	0	100%	30,469	35	\$0.080	\$2,445	97	0.11	\$5.10	\$495	0	\$4.50	\$0
April	338	8	100%	33,633	97	\$0.082	\$2,749	86	0.25	\$5.03	\$432	0	\$4.50	\$0
May	239	37	100%	36,169	131	\$0.079	\$2,866	35	0.13	\$4.46	\$156	0	\$4.50	\$0
June	21	181	100%	43,371	215	\$0.077	\$3,359	30	0.15	\$5.96	\$179	0	\$4.50	\$0
2nd half yr	3233	226		200,073	58	\$0.079	\$15,797	519	0.15	\$4.75	\$2,463	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		445,111	70	\$0.075	\$32,967	714	0.11	\$5.13	\$3,664	0	\$4.50	\$0

Building Data: 1989 Energy Consumption to BTU Conversions

Gross Area (ft)2	40,516	Electricity = KWH X 3413	BTU's x 1,000	1,519,164
Gross Volume (ft)3	324,127	Natural Gas = MCF X 102,500	73,185	
General Notes:		Fuel Oil = Gallons X 138,690	0	
		Other Fuel	0	
		TOTAL BTU's x 1,000	1,592,349	

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{1,592,348,843}{40,516}$$

Divided by 100,000 = 0.3930 THERMS

ENERGY COST / SQ. FT. / YEAR	\$0.9
WATER COST TOTAL/YEAR	\$11,495
WATER / SQ. FT. / YEAR	\$0.28
UTILITY COST/YEAR	\$48,126

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
July	1	309	100%	34,515	111	\$0.068	\$2,347	66	0.21	\$6.78	\$448	0	\$4.50	\$0
August	0	321	100%	36,186	113	\$0.068	\$2,470	47	0.15	\$8.95	\$421	0	\$4.50	\$0
September	38	119	100%	30,338	193	\$0.072	\$2,175	50	0.32	\$7.73	\$387	0	\$4.50	\$0
October	305	25	100%	26,823	81	\$0.072	\$1,941	66	0.20	\$6.94	\$458	0	\$4.50	\$0
November	580	4	100%	23,302	40	\$0.074	\$1,733	90	0.15	\$5.59	\$503	0	\$4.50	\$0
December	1158	0	100%	25,763	22	\$0.068	\$1,740	146	0.13	\$4.89	\$714	0	\$4.50	\$0
1st half yr	2082	778		176,927	62	\$0.070	\$12,406	465	0.16	\$6.30	\$2,930	0	\$4.50	\$0
January	1032	0	100%	22,009	21	\$0.072	\$1,582	268	0.26	\$4.34	\$1,163	0	\$4.50	\$0
February	731	0	100%	20,789	28	\$0.084	\$1,737	244	0.33	\$4.56	\$1,113	0	\$4.50	\$0
March	872	0	100%	21,445	25	\$0.080	\$1,721	221	0.25	\$5.10	\$1,128	0	\$4.50	\$0
April	338	8	100%	24,943	72	\$0.082	\$2,039	201	0.58	\$5.03	\$1,010	0	\$4.50	\$0
May	239	37	100%	27,522	100	\$0.079	\$2,181	134	0.49	\$4.46	\$598	0	\$4.50	\$0
June	21	181	100%	30,113	149	\$0.077	\$2,332	108	0.53	\$5.96	\$644	0	\$4.50	\$0
2nd half yr	3233	226		146,821	42	\$0.079	\$11,591	1,176	0.34	\$4.81	\$5,656	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		323,748	51	\$0.075	\$23,997	1,641	0.26	\$5.23	\$8,585	0	\$4.50	\$0

Building Data: 1978 Energy Consumption to BTU Conversions

Gross Area (ft)2 40,447 Electricity = KWH X 3413 BTU's x 1,000 1,104,952

Gross Volume (ft)3 323,576 Natural Gas = MCF X 102,500 168,203 Total BTU Consumption/Yr 1,273,154,424

General Notes: Fuel Oil = Gallons X 138,690 0 Divided by 100,000 = 0.3148 THERMS  
 Other Fuel 0  
 TOTAL BTU's x 1,000 1,273,154  
 Gross Area (ft) 2 40,447

ENERGY COST / SQ. FT. / YEAR \$0.81  
 WATER COST TOTAL/YEAR \$4,354  
 WATER / SQ. FT. / YEAR \$0.11  
 UTILITY COST/YEAR \$36,936

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	2,297,309	7,411	\$0.068	\$156,226	4	0.01	\$7.66	0	\$4.50	\$0
August	0	321	100%	2,141,024	6,670	\$0.068	\$146,142	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	2,120,369	13,506	\$0.072	\$151,984	160	1.02	\$7.66	0	\$4.50	\$0
October	305	25	100%	1,623,065	4,918	\$0.072	\$117,467	1,281	3.88	\$7.66	0	\$4.50	\$0
November	580	4	100%	1,190,222	2,038	\$0.074	\$88,504	2,436	4.17	\$7.66	0	\$4.50	\$0
December	1158	0	100%	1,275,048	1,101	\$0.068	\$86,111	4,863	4.20	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		10,647,037	3,723	\$0.070	\$746,435	8,744	3.06	\$7.66	0	\$4.50	\$0
January	1032	0	100%	1,081,823	1,048	\$0.072	\$77,755	4,334	4.20	\$7.66	0	\$4.50	\$0
February	731	0	100%	1,114,978	1,525	\$0.084	\$93,142	3,070	4.20	\$7.66	0	\$4.50	\$0
March	872	0	100%	1,308,727	1,501	\$0.080	\$105,000	3,662	4.20	\$7.66	0	\$4.50	\$0
April	338	8	100%	1,443,633	4,172	\$0.082	\$118,011	1,420	4.10	\$7.66	0	\$4.50	\$0
May	239	37	100%	1,528,593	5,538	\$0.079	\$121,119	1,004	3.64	\$7.66	0	\$4.50	\$0
June	21	181	100%	1,981,785	9,811	\$0.077	\$153,483	88	0.44	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		8,459,539	2,446	\$0.079	\$668,510	13,578	3.93	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		19,106,576	3,024	\$0.075	\$1,414,944	22,322	3.53	\$7.66	0	\$4.50	\$0

Building Data: 1973

Gross Area (ft)2	254,875	BTUs x 1,000	65,210,744
Gross Volume (ft)3	2,039,000	Electricity = KWH X 3413	65,210,744
General Notes:		Steam = M (lbs) X 1,000,000	22,321,665
		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTUs x 1,000	87,532,409

Energy Consumption to BTU Conversions

Energy Utilization Index =  
 Total BTU Consumption/Yr 87,532,409,344  
 Gross Area (ft) 2 254,875

Divided by 100,000 = 3.4343 THERMS

ENERGY COST / SQ. FT. / YEAR	\$6.22
WATER COST TOTAL/YEAR	\$126,790
WATER / SQ. FT. / YEAR	\$0.50
UTILITY COST/YEAR	\$1,712,779

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	753,454	2,430	\$0.068	\$51,238	3	0.01	\$7.66	0	\$4.50	\$0
August	0	321	100%	716,985	2,234	\$0.068	\$48,940	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	588,276	3,747	\$0.072	\$42,166	106	0.67	\$7.66	0	\$4.50	\$0
October	305	25	100%	349,942	1,060	\$0.072	\$25,327	848	2.57	\$7.66	0	\$4.50	\$0
November	580	4	100%	296,295	507	\$0.074	\$22,032	1,613	2.76	\$7.66	0	\$4.50	\$0
December	1158	0	100%	371,406	321	\$0.068	\$25,083	3,220	2.78	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		3,076,358	1,076	\$0.070	\$214,786	5,790	2.02	\$7.66	0	\$4.50	\$0
January	1032	0	100%	310,190	301	\$0.072	\$22,295	2,870	2.78	\$7.66	0	\$4.50	\$0
February	731	0	100%	240,694	329	\$0.084	\$20,107	2,033	2.78	\$7.66	0	\$4.50	\$0
March	872	0	100%	514,467	590	\$0.080	\$41,276	2,425	2.78	\$7.66	0	\$4.50	\$0
April	338	8	100%	356,203	1,029	\$0.082	\$29,118	940	2.72	\$7.66	0	\$4.50	\$0
May	239	37	100%	489,755	1,774	\$0.079	\$38,806	665	2.41	\$7.66	0	\$4.50	\$0
June	21	181	100%	519,823	2,573	\$0.077	\$40,259	58	0.29	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		2,431,132	703	\$0.079	\$191,860	8,990	2.60	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		5,507,490	872	\$0.075	\$406,647	14,780	2.34	\$7.66	0	\$4.50	\$0

Building Data:	1970	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	168,764	Electricity = KWH X 3413	18,797,063
Gross Volume (ft)3	1,350,112	Steam = M (lbs) X 1,000,000	14,780,161
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	33,577,224
		Energy Utilization Index =	
		Total BTU Consumption/Yr	33,577,224,426
		Gross Area (ft) 2	168,764
		Divided by 100,000 =	1.9896
			THERMS

ENERGY COST / SQ. FT. / YEAR	\$3.08
WATER COST TOTAL/YEAR	\$147,086
WATER / SQ. FT. / YEAR	\$0.87
UTILITY COST/YEAR	\$666,989

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 Gall/Hr TOTAL
July	1	309	100%	20,090	65	\$0.068	\$972	412	1.33	\$4.54	\$1,869	0	\$4.50	\$0	\$2,841
August	0	321	100%	23,094	72	\$0.068	\$1,831	572	1.78	\$5.58	\$3,191	0	\$4.50	\$0	\$5,023
September	38	119	100%	17,526	112	\$0.072	\$1,608	635	4.04	\$4.44	\$2,819	0	\$4.50	\$0	\$4,427
October	305	25	100%	14,993	45	\$0.072	\$1,892	469	1.42	\$4.45	\$2,088	0	\$4.50	\$0	\$3,980
November	580	4	100%	13,351	23	\$0.074	\$1,140	224	0.38	\$4.88	\$1,092	0	\$4.50	\$0	\$2,233
December	1158	0	100%	14,981	13	\$0.068	\$1,148	210	0.18	\$5.00	\$1,050	0	\$4.50	\$0	\$2,198
1st half yr	2082	778		104,035	36	\$0.070	\$8,591	2,522	0.88	\$4.80	\$12,110	0	\$4.50	\$0	\$20,701
January	1032	0	100%	14,862	14	\$0.072	\$1,214	389	0.38	\$4.44	\$1,728	0	\$4.50	\$0	\$2,942
February	731	0	100%	12,453	17	\$0.084	\$1,220	383	0.52	\$4.56	\$1,746	0	\$4.50	\$0	\$2,965
March	872	0	100%	14,415	17	\$0.080	\$1,421	293	0.34	\$5.24	\$1,534	0	\$4.50	\$0	\$2,955
April	338	8	100%	13,649	39	\$0.082	\$1,216	286	0.83	\$5.09	\$1,456	0	\$4.50	\$0	\$2,672
May	239	37	100%	14,341	52	\$0.079	\$2,834	154	0.56	\$4.75	\$731	0	\$4.50	\$0	\$3,566
June	21	181	100%	17,580	87	\$0.077	\$2,008	235	1.16	\$5.15	\$1,211	0	\$4.50	\$0	\$3,220
2nd half yr	3233	226		87,300	25	\$0.079	\$9,913	1,740	0.50	\$4.83	\$8,406	0	\$4.50	\$0	\$18,319
<b>TOTAL/YEAR</b>	<b>5315</b>	<b>1004</b>		<b>191,335</b>	<b>30</b>	<b>\$0.075</b>	<b>\$23,465</b>	<b>4,262</b>	<b>0.67</b>	<b>\$4.81</b>	<b>\$20,516</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>	<b>\$43,981</b>

Building Data: 1965 Energy Consumption to BTU Conversions

Gross Area (ft)2	36,400	BTU's x 1,000	653,026
Gross Volume (ft)3	291,200	Electricity = KWH X 3413	
General Notes:		Natural Gas = MCF X 102,500	436,840
		Fuel Oil = Gallons X 138,700	0
		Other Fuel	0
		<b>TOTAL BTU's x 1,000</b>	<b>1,089,867</b>

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{1,089,866,595}{36,400} = 29,938.6$$

Divided by 100,000 = 0.2994 THERMS

ENERGY COST / SQ. FT. / YEAR	\$1.21
WATER COST TOTAL/YEAR	\$8,490
WATER / SQ. FT. / YEAR	\$0.23
UTILITY COST/YEAR	\$52,471

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	8,832	28	\$0.068	\$601	1	0.00	\$7.66	0	\$4.50	\$0
August	0	321	100%	7,887	25	\$0.068	\$538	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	9,443	60	\$0.072	\$677	26	0.16	\$7.66	0	\$4.50	\$0
October	305	25	100%	9,728	29	\$0.072	\$704	207	0.63	\$7.66	0	\$4.50	\$0
November	580	4	100%	8,499	15	\$0.074	\$632	393	0.67	\$7.66	0	\$4.50	\$0
December	1158	0	100%	10,637	9	\$0.068	\$718	785	0.68	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		55,026	19	\$0.070	\$3,870	1,411	0.49	\$7.66	0	\$4.50	\$0
January	1032	0	100%	8,935	9	\$0.072	\$642	700	0.68	\$7.66	0	\$4.50	\$0
February	731	0	100%	8,496	12	\$0.084	\$710	496	0.68	\$7.66	0	\$4.50	\$0
March	872	0	100%	10,060	12	\$0.080	\$807	591	0.68	\$7.66	0	\$4.50	\$0
April	338	8	100%	8,699	25	\$0.082	\$711	229	0.66	\$7.66	0	\$4.50	\$0
May	239	37	100%	8,787	32	\$0.079	\$696	162	0.59	\$7.66	0	\$4.50	\$0
June	21	181	100%	7,948	39	\$0.077	\$616	14	0.07	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		52,925	15	\$0.079	\$4,182	2,192	0.63	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		107,951	17	\$0.075	\$8,052	3,603	0.57	\$7.66	0	\$4.50	\$0

Building Data: 1982 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Gross Area (ft)2 41,140

Gross Volume (ft)3 329,120

368,437

Steam = M (lbs) X 1,000,000

Fuel Oil = Gallons X 138,690

Other Fuel

3,602,995

TOTAL BTU's x 1,000

3,971,432

Total BTU Consumption/Yr 3,971,431.631

0

Divided by 100,000 =

0.9653

THERMS

41,140

Gross Area (ft) 2

ENERGY COST / SQ. FT. / YEAR \$0.87  
 WATER COST TOTAL/YEAR \$14,483  
 WATER / SQ. FT. / YEAR \$0.35  
 UTILITY COST/YEAR \$50,144

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
July	1	309	100%	3,404	11	\$0.068	\$231	0	0.00	\$0.00	\$161	0	\$4.50	\$0
August	0	321	100%	2,959	9	\$0.068	\$202	0	0.00	\$0.00	\$161	0	\$4.50	\$0
September	38	119	100%	2,423	15	\$0.072	\$174	0	0.00	\$0.00	\$162	0	\$4.50	\$0
October	305	25	100%	2,697	8	\$0.072	\$195	0	0.00	\$0.00	\$161	0	\$4.50	\$0
November	580	4	100%	2,638	5	\$0.074	\$196	0	0.00	\$0.00	\$161	0	\$4.50	\$0
December	1158	0	100%	3,625	3	\$0.068	\$245	0	0.00	\$0.00	\$161	0	\$4.50	\$0
1st half yr	2082	778		17,746	6	\$0.070	\$1,243	0	0.00	\$0.00	\$968	0	\$4.50	\$0
January	1032	0	100%	3,143	3	\$0.072	\$226	0	0.00	\$0.00	\$92	0	\$4.50	\$0
February	731	0	100%	3,347	5	\$0.084	\$280	0	0.00	\$0.00	\$93	0	\$4.50	\$0
March	872	0	100%	3,530	4	\$0.080	\$283	0	0.00	\$0.00	\$93	0	\$4.50	\$0
April	338	8	100%	3,067	9	\$0.082	\$251	0	0.00	\$0.00	\$93	0	\$4.50	\$0
May	239	37	100%	3,927	14	\$0.079	\$311	0	0.00	\$0.00	\$114	0	\$4.50	\$0
June	21	181	100%	2,079	10	\$0.077	\$161	0	0.00	\$0.00	\$114	0	\$4.50	\$0
2nd half yr	3233	226		19,093	6	\$0.079	\$1,512	0	0.00	\$0.00	\$599	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		36,839	6	\$0.075	\$2,755	0	0.00	\$3.47	\$1,566	0	\$4.50	\$0

Building Data: 1955 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

125,732

Natural Gas = MCF X 102,500

0

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

125,732

ENERGY COST / SQ. FT. / YEAR \$0.21  
 WATER COST TOTAL/YEAR \$1,570  
 WATER / SQ. FT. / YEAR \$0.08  
 UTILITY COST/YEAR \$5,891

Energy Utilization Index =

Total BTU Consumption/Yr 125,731,507

Gross Area (ft) 2 20,533

Divided by 100,000 = 0.0612 THERMS



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)	Load-shed Hours	Cost per Gal
July	1	309	100%	146,054	471	\$0.068	\$9,932	2	0.01	\$7.66	0	\$4.50	\$0
August	0	321	100%	128,482	400	\$0.068	\$8,770	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	144,537	921	\$0.072	\$10,360	86	0.55	\$7.66	0	\$4.50	\$0
October	305	25	100%	133,437	404	\$0.072	\$9,657	693	2.10	\$7.66	0	\$4.50	\$0
November	580	4	100%	119,551	205	\$0.074	\$8,890	1,318	2.26	\$7.66	0	\$4.50	\$0
December	1158	0	100%	156,779	135	\$0.068	\$10,588	2,632	2.27	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		828,840	290	\$0.070	\$58,198	4,732	1.65	\$7.66	0	\$4.50	\$0
January	1032	0	100%	134,208	130	\$0.072	\$9,646	2,345	2.27	\$7.66	0	\$4.50	\$0
February	731	0	100%	128,051	175	\$0.084	\$10,697	1,661	2.27	\$7.66	0	\$4.50	\$0
March	872	0	100%	151,207	173	\$0.080	\$12,131	1,982	2.27	\$7.66	0	\$4.50	\$0
April	338	8	100%	132,321	382	\$0.082	\$10,817	768	2.22	\$7.66	0	\$4.50	\$0
May	239	37	100%	134,348	487	\$0.079	\$10,645	543	1.97	\$7.66	0	\$4.50	\$0
June	21	181	100%	133,795	662	\$0.077	\$10,362	48	0.24	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		813,930	235	\$0.079	\$64,298	7,348	2.12	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,642,770	260	\$0.075	\$122,496	12,080	1.91	\$7.66	0	\$4.50	\$0

Building Data: 1973  
 Gross Area (ft)2 137,930  
 Gross Volume (ft)3 1,103,440

Energy Consumption to BTU Conversions  
 BTU's x 1,000 5,606,774  
 Electricity = KWH X 3413  
 Steam = M (lbs) X 1,000,000 12,079,754  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Total BTU Consumption/Yr 17,686,528.071  
 Gross Area (ft) 2 137,930  
 Divided by 100,000 = 1.2823 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.56  
 WATER COST TOTAL/YEAR \$2,124  
 WATER / SQ. FT. / YEAR \$0.02  
 UTILITY COST/YEAR \$217,183

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
July	1	309	100%	136,707	441	\$0.068	\$9,297	112	0.36	\$7.21	\$807	0	\$4.50	\$0
August	0	321	100%	144,245	449	\$0.068	\$9,846	86	0.27	\$9.23	\$794	0	\$4.50	\$0
September	38	119	100%	119,079	758	\$0.072	\$8,535	99	0.63	\$7.67	\$759	0	\$4.50	\$0
October	305	25	100%	102,525	311	\$0.072	\$7,420	136	0.41	\$6.51	\$886	0	\$4.50	\$0
November	580	4	100%	78,117	134	\$0.074	\$5,809	159	0.27	\$5.71	\$908	0	\$4.50	\$0
December	1158	0	100%	72,663	63	\$0.068	\$4,907	265	0.23	\$4.73	\$1,252	0	\$4.50	\$0
1st half yr	2082	778		653,336	228	\$0.070	\$45,814	857	0.30	\$6.31	\$5,406	0	\$4.50	\$0
January	1032	0	100%	64,527	63	\$0.072	\$4,638	431	0.42	\$4.28	\$1,844	0	\$4.50	\$0
February	731	0	100%	65,375	89	\$0.084	\$5,461	362	0.50	\$4.51	\$1,633	0	\$4.50	\$0
March	872	0	100%	67,905	78	\$0.080	\$5,448	323	0.37	\$5.08	\$1,642	0	\$4.50	\$0
April	338	8	100%	87,272	252	\$0.082	\$7,134	293	0.85	\$5.00	\$1,465	0	\$4.50	\$0
May	239	37	100%	99,187	359	\$0.079	\$7,859	209	0.76	\$4.42	\$924	0	\$4.50	\$0
June	21	181	100%	117,888	584	\$0.077	\$9,130	216	1.07	\$5.57	\$1,203	0	\$4.50	\$0
2nd half yr	3233	226		502,154	145	\$0.079	\$39,670	1,834	0.53	\$4.75	\$8,711	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,155,490	183	\$0.075	\$85,484	2,691	0.43	\$5.25	\$14,117	0	\$4.50	\$0

Building Data: 1998 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

3,943,687

275,828

0

0

Total BTU Consumption/Yr

4,219,514.870

Gross Area (ft) 2

38,614

Energy Utilization Index =

Divided by 100,000 =

1.0927

THERMS

ENERGY COST / SQ. FT. / YEAR \$2.58  
 WATER COST TOTAL/YEAR \$7,511  
 WATER / SQ. FT. / YEAR \$0.19  
 UTILITY COST/YEAR \$107,113

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
July	1	309	100%	24,889	80	\$0.068	\$1,693	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	26,948	84	\$0.068	\$1,839	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	21,729	138	\$0.072	\$1,557	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	18,006	55	\$0.072	\$1,303	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	17,642	30	\$0.074	\$1,312	13	0.02	\$5.71	\$74	0	\$4.50	\$0
December	1158	0	100%	18,773	16	\$0.068	\$1,268	70	0.06	\$4.73	\$331	0	\$4.50	\$0
1st half yr	2082	778		127,987	45	\$0.070	\$8,972	83	0.03	\$4.88	\$405	0	\$4.50	\$0
January	1032	0	100%	19,613	19	\$0.072	\$1,410	205	0.20	\$4.28	\$877	0	\$4.50	\$0
February	731	0	100%	17,017	23	\$0.084	\$1,422	159	0.22	\$4.51	\$717	0	\$4.50	\$0
March	872	0	100%	15,250	17	\$0.080	\$1,224	119	0.14	\$5.08	\$605	0	\$4.50	\$0
April	338	8	100%	16,835	49	\$0.082	\$1,376	107	0.31	\$5.00	\$535	0	\$4.50	\$0
May	239	37	100%	16,189	59	\$0.079	\$1,283	22	0.08	\$4.42	\$97	0	\$4.50	\$0
June	21	181	100%	19,529	97	\$0.077	\$1,512	9	0.04	\$5.57	\$50	0	\$4.50	\$0
2nd half yr	3233	226		104,433	30	\$0.079	\$8,226	621	0.18	\$4.64	\$2,881	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		232,420	37	\$0.075	\$17,198	704	0.11	\$4.67	\$3,287	0	\$4.50	\$0

Building Data: 1956 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Gross Area (ft)2

Gross Volume (ft)3

793,249

Natural Gas = MCF X 102,500

256,688

General Notes:

72,160

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

865,409

TOTAL BTU's x 1,000

0

Energy Utilization Index =

32,086

Total BTU Consumption/Yr

0.2697

Divided by 100,000 =

865,409,460

Gross Area (ft) 2

0.2697

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.64  
 WATER COST TOTAL/YEAR \$2,068  
 WATER / SQ. FT. / YEAR \$0.06  
 UTILITY COST/YEAR \$22,553

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	155,968	503	\$0.068	\$10,606	2	0.01	\$7.66	0	\$4.50	\$0
August	0	321	100%	139,968	436	\$0.068	\$9,554	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	141,514	901	\$0.072	\$10,143	71	0.46	\$7.66	0	\$4.50	\$0
October	305	25	100%	132,957	403	\$0.072	\$9,623	574	1.74	\$7.66	0	\$4.50	\$0
November	580	4	100%	173,155	296	\$0.074	\$12,876	1,091	1.87	\$7.66	0	\$4.50	\$0
December	1158	0	100%	217,284	188	\$0.068	\$14,674	2,178	1.88	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		960,846	336	\$0.070	\$67,477	3,915	1.37	\$7.66	0	\$4.50	\$0
January	1032	0	100%	181,052	175	\$0.072	\$13,013	1,941	1.88	\$7.66	0	\$4.50	\$0
February	731	0	100%	97,563	133	\$0.084	\$8,150	1,375	1.88	\$7.66	0	\$4.50	\$0
March	872	0	100%	175,210	201	\$0.080	\$14,057	1,640	1.88	\$7.66	0	\$4.50	\$0
April	338	8	100%	92,258	267	\$0.082	\$7,542	636	1.84	\$7.66	0	\$4.50	\$0
May	239	37	100%	93,433	339	\$0.079	\$7,403	449	1.63	\$7.66	0	\$4.50	\$0
June	21	181	100%	91,308	452	\$0.077	\$7,072	39	0.20	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		730,824	211	\$0.079	\$57,237	6,080	1.76	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,691,670	268	\$0.075	\$124,713	9,995	1.58	\$7.66	0	\$4.50	\$0

Building Data:	1985	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	114,126	Electricity = KWH X 3413	5,773,670
Gross Volume (ft)3	913,008	Steam = M (lbs) X 1,000,000	9,995,027
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	15,768,696

Energy Utilization Index =  $\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2}$  =  $\frac{15,768,696,260}{114,126}$

Divided by 100,000 = 1.3817 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.76  
 WATER COST TOTAL/YEAR \$23,093  
 WATER / SQ. FT. / YEAR \$0.20  
 UTILITY COST/YEAR \$224,395

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)	Load-shed Hours	Cost per Gal
July	1	309	100%	1,622,080	5,233	\$0.068	\$110,308	6	0.02	\$7.66	0	\$4.50	\$0
August	0	321	100%	1,499,108	4,670	\$0.068	\$102,326	0	0.00	\$7.66	0	\$4.50	\$0
September	38	119	100%	1,535,290	9,779	\$0.072	\$110,047	237	1.51	\$7.66	0	\$4.50	\$0
October	305	25	100%	1,235,590	3,744	\$0.072	\$89,424	1,900	5.76	\$7.66	0	\$4.50	\$0
November	580	4	100%	923,521	1,581	\$0.074	\$68,672	3,614	6.19	\$7.66	0	\$4.50	\$0
December	1158	0	100%	1,110,737	959	\$0.068	\$75,015	7,215	6.23	\$7.66	0	\$4.50	\$0
1st half yr	2082	778		7,926,326	2,771	\$0.070	\$555,791	12,972	4.54	\$7.66	0	\$4.50	\$0
January	1032	0	100%	994,188	963	\$0.072	\$71,456	6,430	6.23	\$7.66	0	\$4.50	\$0
February	731	0	100%	543,511	744	\$0.084	\$45,403	4,555	6.23	\$7.66	0	\$4.50	\$0
March	872	0	100%	1,391,088	1,595	\$0.080	\$111,607	5,433	6.23	\$7.66	0	\$4.50	\$0
April	338	8	100%	1,111,221	3,212	\$0.082	\$90,838	2,106	6.09	\$7.66	0	\$4.50	\$0
May	239	37	100%	1,213,494	4,397	\$0.079	\$96,152	1,489	5.40	\$7.66	0	\$4.50	\$0
June	21	181	100%	1,331,473	6,591	\$0.077	\$103,118	131	0.65	\$7.66	0	\$4.50	\$0
2nd half yr	3233	226		6,584,975	1,904	\$0.079	\$518,575	20,143	5.82	\$7.66	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		14,511,301	2,296	\$0.075	\$1,074,367	33,116	5.24	\$7.66	0	\$4.50	\$0

Building Data: 1976 Energy Consumption to BTU Conversions

Gross Area (ft)2 378,123 Electricity = KWH X 3413 BTU's x 1,000 49,527,070

Gross Volume (ft)3 3,024,984 Steam = M (lbs) X 1,000,000 33,115,586  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 82,642,656,806  
 Divided by 100,000 = 2.1856 THERMS  
 Gross Area (ft) 2 378,123

ENERGY COST / SQ. FT. / YEAR \$3.51  
 WATER COST TOTAL/YEAR \$308,588  
 WATER / SQ. FT. / YEAR \$0.82  
 UTILITY COST/YEAR \$1,636,710

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
July	1	309	100%	66,895	216	\$0.136	\$9,113	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	66,895	208	\$0.130	\$8,707	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	74,470	474	\$0.126	\$9,375	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	68,310	207	\$0.126	\$8,626	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	77,160	132	\$0.121	\$9,304	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1158	0	100%	175,430	151	\$0.102	\$17,966	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2082	778		529,160	185	\$0.124	\$63,092	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1032	0	100%	143,830	139	\$0.099	\$14,227	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	731	0	100%	119,020	163	\$0.116	\$13,845	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	872	0	100%	138,650	159	\$0.120	\$16,626	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	75,540	218	\$0.141	\$10,667	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	239	37	100%	63,570	230	\$0.150	\$9,532	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	21	181	100%	45,620	226	\$0.145	\$6,616	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		586,230	169	\$0.129	\$71,512	0	0.00	\$0.00	\$0	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,115,390	177	\$0.126	\$134,604	0	0.00	\$0.00	\$0	0	\$4.50	\$0

Building Data: 1969 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

3,806,826

0

0

0

3,806,826

TOTAL BTU's x 1,000

\$11,382

\$0.15

77,096

616,768

\$145,986

77,096

0.4938

0.4938

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.75  
 WATER COST TOTAL/YEAR \$11,382  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$145,986

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
July	1	309	100%	20,730	67	\$0.136	\$2,824	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	20,730	65	\$0.130	\$2,698	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	19,000	121	\$0.126	\$2,392	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	29,050	88	\$0.126	\$3,668	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	50,340	86	\$0.121	\$6,070	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1158	0	100%	81,020	70	\$0.102	\$8,297	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2082	778		220,870	77	\$0.124	\$25,950	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1032	0	100%	73,310	71	\$0.099	\$7,251	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	731	0	100%	70,550	97	\$0.116	\$8,206	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	872	0	100%	91,560	105	\$0.120	\$10,979	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	49,240	142	\$0.141	\$6,953	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	239	37	100%	41,880	152	\$0.150	\$6,280	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	21	181	100%	27,730	137	\$0.145	\$4,021	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		354,270	102	\$0.129	\$43,691	0	0.00	\$0.00	\$0	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		575,140	91	\$0.126	\$69,641	0	0.00	\$0.00	\$0	0	\$4.50	\$0

Building Data: 1969 Energy Consumption to BTU Conversions

Gross Area (ft)2	24,812	BTU's x 1,000	1,962,953
Gross Volume (ft)3	198,496	Electricity = KWH X 3413	
General Notes:		Natural Gas = MCF X 102,500	
		Fuel Oil = Gallons X 138,690	
		Other Fuel	0
		TOTAL BTU's x 1,000	1,962,953

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{1,962,952,820}{24,812} = 79,111 \text{ THERMS}$$

ENERGY COST / SQ. FT. / YEAR	\$2.81
WATER COST TOTAL/YEAR	\$3,663
WATER / SQ. FT. / YEAR	\$0.15
UTILITY COST/YEAR	\$73,304

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
July	1	309	100%	13,270	43	\$0.136	\$1,808	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	13,270	41	\$0.130	\$1,727	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	15,510	99	\$0.126	\$1,953	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	9,510	29	\$0.126	\$1,201	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	9,190	16	\$0.121	\$1,108	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1158	0	100%	19,720	17	\$0.102	\$2,020	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2082	778		80,470	28	\$0.124	\$9,816	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1032	0	100%	17,460	17	\$0.099	\$1,727	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	731	0	100%	14,530	20	\$0.116	\$1,690	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	872	0	100%	14,760	17	\$0.120	\$1,770	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	7,660	22	\$0.141	\$1,082	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	239	37	100%	6,280	23	\$0.150	\$942	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	21	181	100%	5,900	29	\$0.145	\$856	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		66,590	19	\$0.129	\$8,066	0	0.00	\$0.00	\$0	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		147,060	23	\$0.126	\$17,882	0	0.00	\$0.00	\$0	0	\$4.50	\$0

Building Data: 1993

Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000

501,916

501,916

0

0

0

501,916

501,915,780

8,895

0.5643

THERMS

Energy Utilization Index =

Total BTU Consumption/Yr

Gross Area (ft) 2

Divided by 100,000 =

0.5643

THERMS

ENERGY COST / SQ. FT. / YEAR \$2.01  
 WATER COST TOTAL/YEAR \$1,313  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$19,195



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
July	1	309	100%	10,587	34	\$0.136	\$1,442	8	0.02	\$17.77	\$133	0	\$4.50	\$0
August	0	321	100%	10,587	33	\$0.130	\$1,378	10	0.03	\$15.23	\$148	0	\$4.50	\$0
September	38	119	100%	11,029	70	\$0.126	\$1,388	13	0.08	\$13.06	\$174	0	\$4.50	\$0
October	305	25	100%	7,421	22	\$0.126	\$937	30	0.09	\$9.51	\$282	0	\$4.50	\$0
November	580	4	100%	6,521	11	\$0.121	\$786	112	0.19	\$8.70	\$976	0	\$4.50	\$0
December	1158	0	100%	6,614	6	\$0.102	\$677	256	0.22	\$6.39	\$1,636	0	\$4.50	\$0
1st half yr	2082	778		52,759	18	\$0.124	\$6,610	429	0.15	\$7.82	\$3,349	0	\$4.50	\$0
January	1032	0	100%	6,706	6	\$0.099	\$663	177	0.17	\$6.62	\$1,172	0	\$4.50	\$0
February	731	0	100%	7,617	10	\$0.116	\$886	102	0.14	\$7.16	\$730	0	\$4.50	\$0
March	872	0	100%	7,617	9	\$0.120	\$913	118	0.14	\$6.48	\$765	0	\$4.50	\$0
April	338	8	100%	8,034	23	\$0.141	\$1,134	61	0.18	\$7.63	\$468	0	\$4.50	\$0
May	239	37	100%	7,866	29	\$0.150	\$1,179	15	0.05	\$13.61	\$202	0	\$4.50	\$0
June	21	181	100%	9,520	47	\$0.145	\$1,381	4	0.02	\$33.53	\$131	0	\$4.50	\$0
2nd half yr	3233	226		47,360	14	\$0.129	\$6,157	477	0.14	\$7.27	\$3,467	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		100,118	16	\$0.126	\$12,767	906	0.14	\$7.53	\$6,816	0	\$4.50	\$0

Building Data: 2000 Energy Consumption to BTU Conversions

Gross Area (ft)2 6,593 Electricity = KWH X 3413 BTU's x 1,000 341,704

Gross Volume (ft)3 52,744 Natural Gas = MCF X 102,500 92,834  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 434,538

General Notes: Total BTU Consumption/Yr 434,538,008  
 Divided by 100,000 = 0.6591 THERMS  
 Gross Area (ft) 2 6,593

ENERGY COST / SQ. FT. / YEAR \$2.97  
 WATER COST TOTAL/YEAR \$6,126  
 WATER / SQ. FT. / YEAR \$0.93  
 UTILITY COST/YEAR \$25,709

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
July	1	309	100%	91,225	294	\$0.136	\$12,428	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	91,225	284	\$0.130	\$11,874	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	120,340	766	\$0.126	\$15,150	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	94,150	285	\$0.126	\$11,889	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	115,720	198	\$0.121	\$13,953	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1158	0	100%	272,410	235	\$0.102	\$27,898	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2082	778		785,070	275	\$0.124	\$93,192	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1032	0	100%	205,520	199	\$0.099	\$20,329	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	731	0	100%	167,200	229	\$0.116	\$19,449	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	872	0	100%	188,480	216	\$0.120	\$22,601	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	99,480	288	\$0.141	\$14,048	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	239	37	100%	89,220	323	\$0.150	\$13,378	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	21	181	100%	80,830	400	\$0.145	\$11,722	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		830,730	240	\$0.129	\$101,526	0	0.00	\$0.00	\$0	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		1,615,800	256	\$0.126	\$194,718	0	0.00	\$0.00	\$0	0	\$4.50	\$0

Building Data: 1969 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

127,430

5,514,725

Natural Gas = MCF X 102,500

1,019,440

0

Fuel Oil = Gallons X 138,690

0

0

Other Fuel

0

0

TOTAL BTU's x 1,000

5,514,725

5,514,725

Total BTU Consumption/Yr

5,514,725,400

127,430

Divided by 100,000 =

0.4328

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.53  
 WATER COST TOTAL/YEAR \$18,814  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$213,532

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
July	1	309	100%	139,812	451	\$0.136	\$19,047	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	153,983	480	\$0.130	\$20,043	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	123,704	788	\$0.126	\$15,573	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	66,990	203	\$0.126	\$8,459	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	18,304	31	\$0.121	\$2,207	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1158	0	100%	51,384	44	\$0.102	\$5,262	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2082	778		554,176	194	\$0.124	\$70,592	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1032	0	100%	44,925	44	\$0.099	\$4,444	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	731	0	100%	29,950	41	\$0.116	\$3,484	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	872	0	100%	19,967	23	\$0.120	\$2,394	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	39,934	115	\$0.141	\$5,639	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	239	37	100%	119,801	434	\$0.150	\$17,964	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	21	181	100%	119,801	593	\$0.145	\$17,374	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		374,378	108	\$0.129	\$51,298	0	0.00	\$0.00	\$0	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>5315</b>	<b>1004</b>		<b>928,554</b>	<b>147</b>	<b>\$0.126</b>	<b>\$121,890</b>	<b>0</b>	<b>0.00</b>	<b>\$0.00</b>	<b>\$0</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1969 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

3,169,155

0

0

0

3,169,155

TOTAL BTU's x 1,000

Energy Utilization Index =

Total BTU Consumption/Yr

3,169,155,333

Gross Area (ft) 2

14,881

Divided by 100,000 =

2.1297

THERMS

ENERGY COST / SQ. FT. / YEAR \$8.19

WATER COST TOTAL/YEAR \$13,343

WATER / SQ. FT. / YEAR \$0.90

UTILITY COST/YEAR \$135,233

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
July	1	309	100%	39,125	126	\$0.136	\$5,330	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	0	321	100%	39,125	122	\$0.130	\$5,093	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	38	119	100%	47,960	305	\$0.126	\$6,038	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	305	25	100%	52,030	158	\$0.126	\$6,570	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	580	4	100%	66,330	114	\$0.121	\$7,998	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1158	0	100%	113,110	98	\$0.102	\$11,584	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2082	778		357,680	125	\$0.124	\$42,612	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1032	0	100%	73,830	72	\$0.099	\$7,303	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	731	0	100%	70,590	97	\$0.116	\$8,211	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	872	0	100%	91,010	104	\$0.120	\$10,913	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	338	8	100%	52,770	153	\$0.141	\$7,452	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	239	37	100%	55,190	200	\$0.150	\$8,276	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	21	181	100%	47,180	234	\$0.145	\$6,842	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3233	226		390,570	113	\$0.129	\$48,996	0	0.00	\$0.00	\$0	0	\$4.50	\$0
TOTAL/YEAR	5315	1004		748,250	118	\$0.126	\$91,609	0	0.00	\$0.00	\$0	0	\$4.50	\$0

Building Data: 1974 Energy Consumption to BTU Conversions  
 Gross Area (ft)2 30,601 Electricity = KWH X 3413 BTU's x 1,000 2,553,777  
 Gross Volume (ft)3 244,808 Natural Gas = MCF X 102,500 0  
 General Notes: Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 TOTAL BTU's x 1,000 2,553,777

ENERGY COST / SQ. FT. / YEAR \$2.99  
 WATER COST TOTAL/YEAR \$5,608  
 WATER / SQ. FT. / YEAR \$0.18  
 UTILITY COST/YEAR \$97,217

Energy Utilization Index =  
 Total BTU Consumption/Yr 2,553,777,250  
 Gross Area (ft) 2 30,601  
 Divided by 100,000 = 0.8345 THERMS