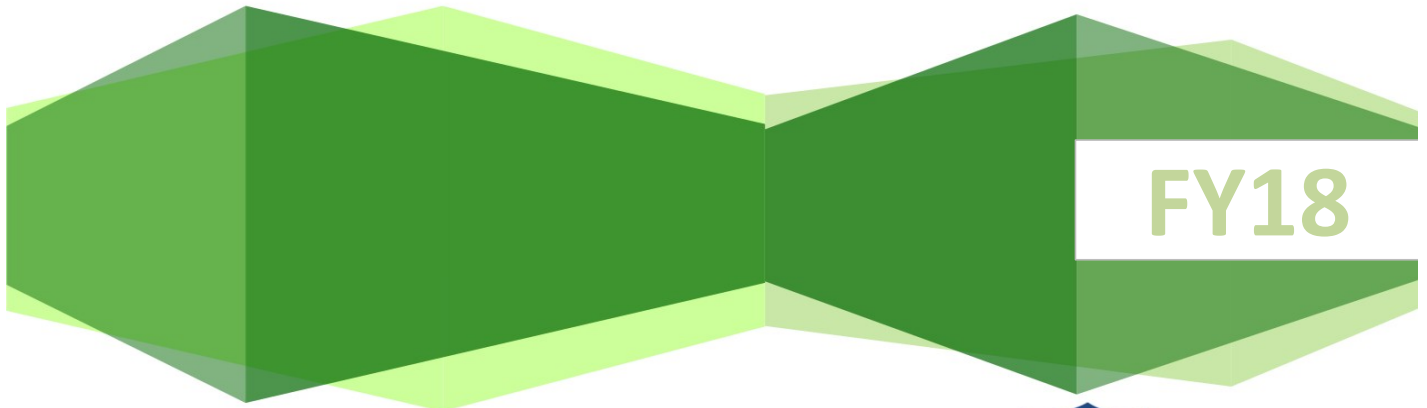


# Energy Summary

The University of Toledo

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





# ENERGY SUMMARY

## FISCAL YEAR 2018

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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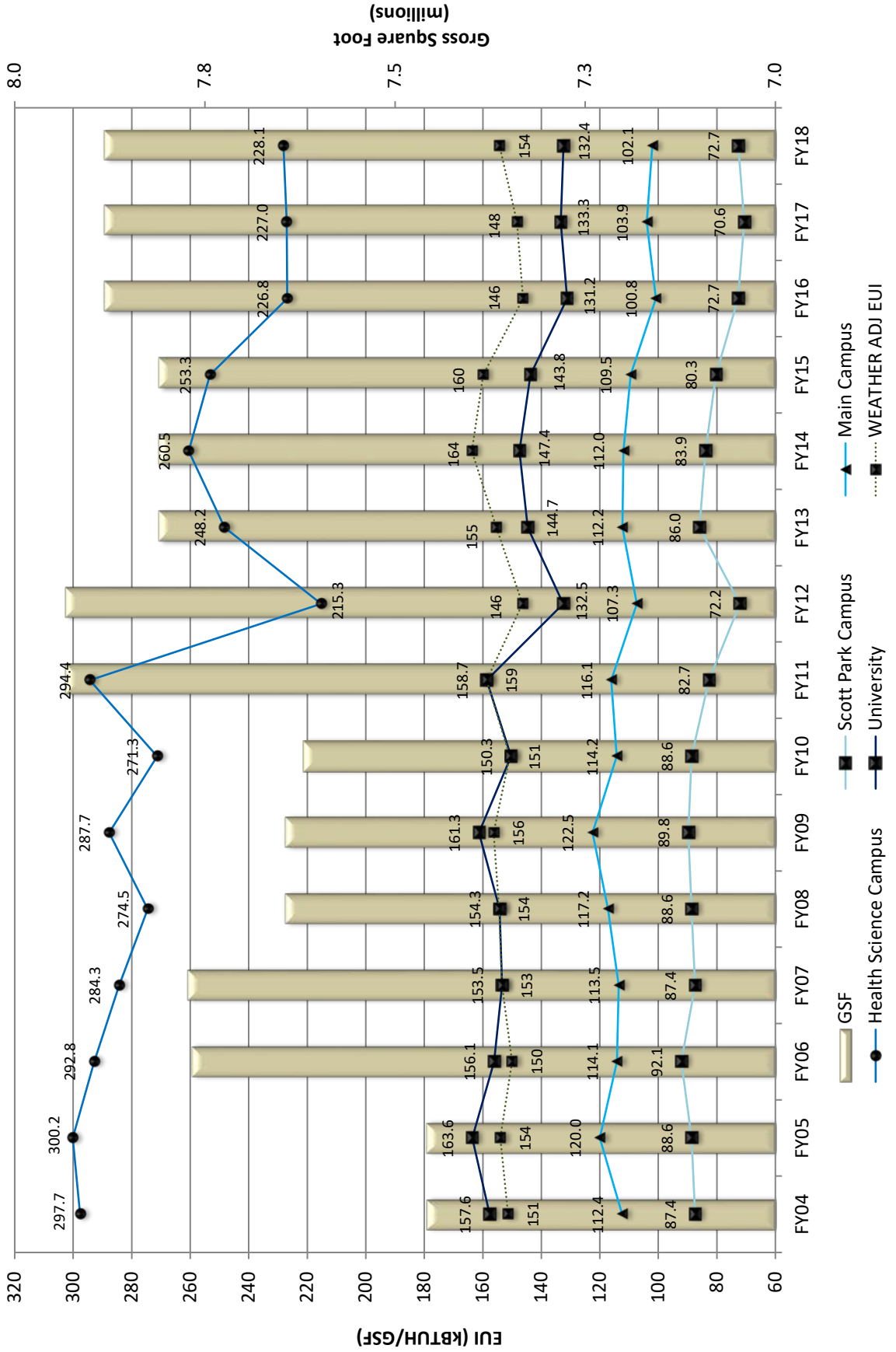
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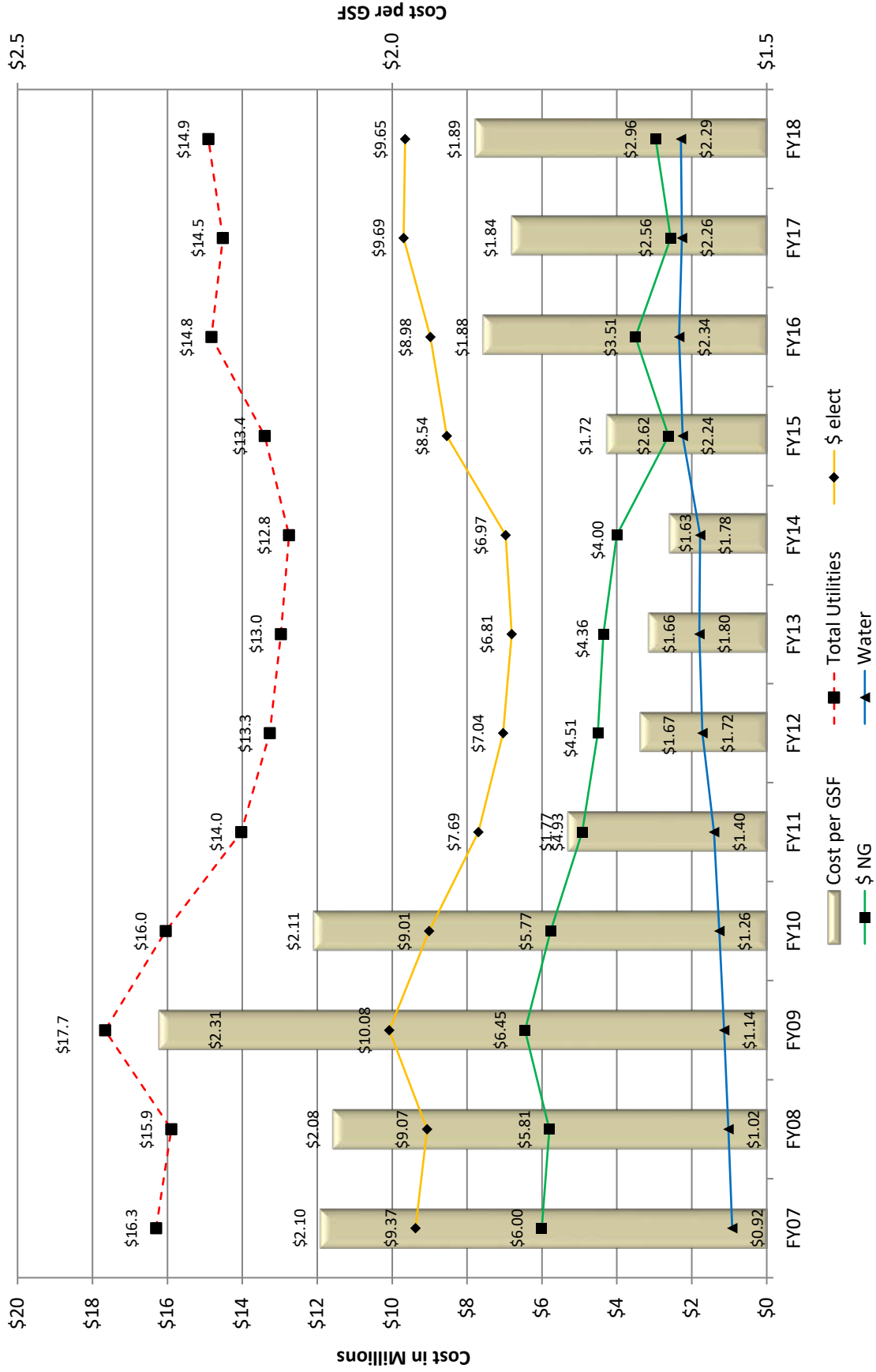
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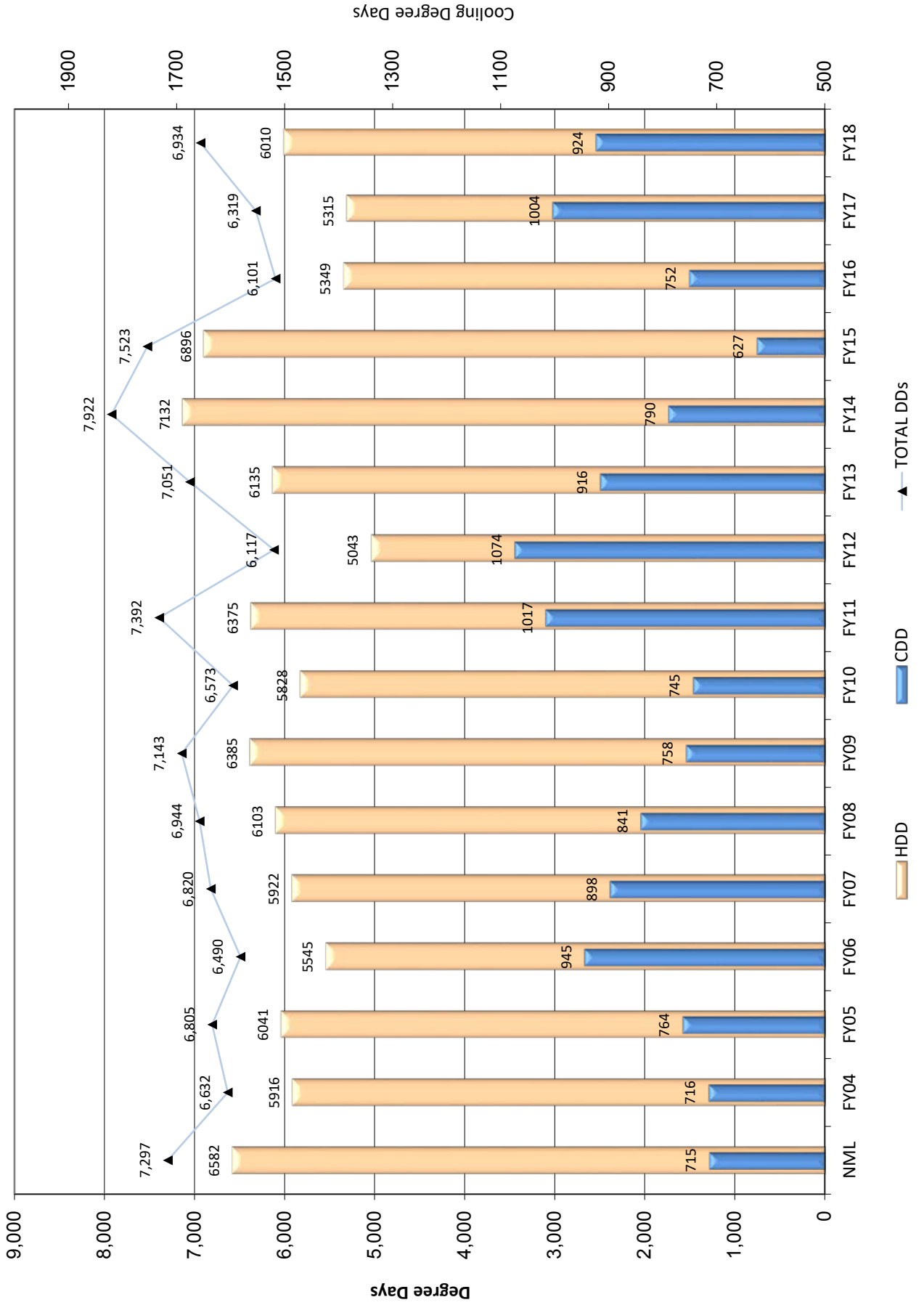
# Campus Energy Utilization Index (EUI) Energy use compared to GSF



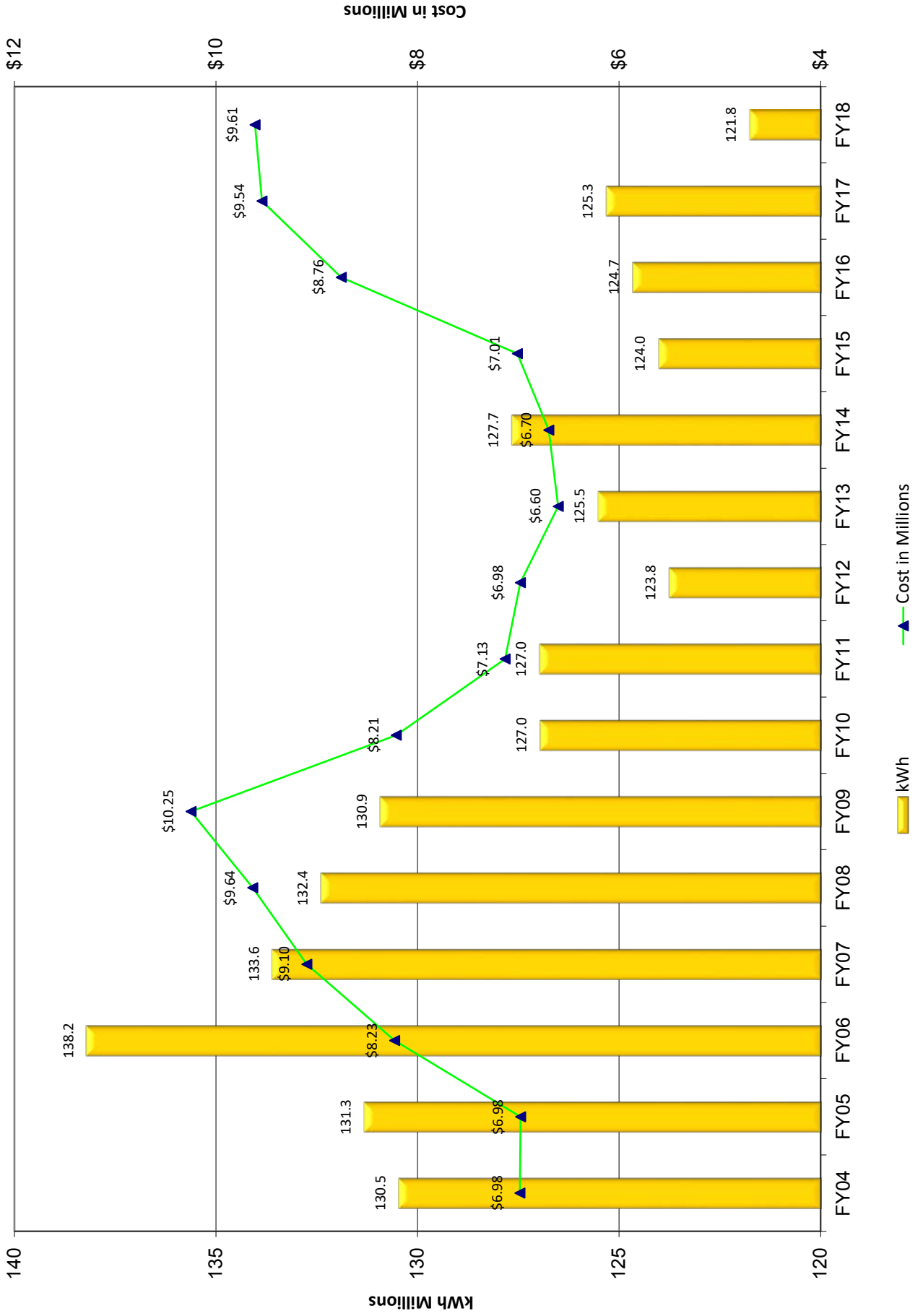
# Campus Utility Cost Cost compared to GSF



# Weather Impact Heating and Cooling Degree Days



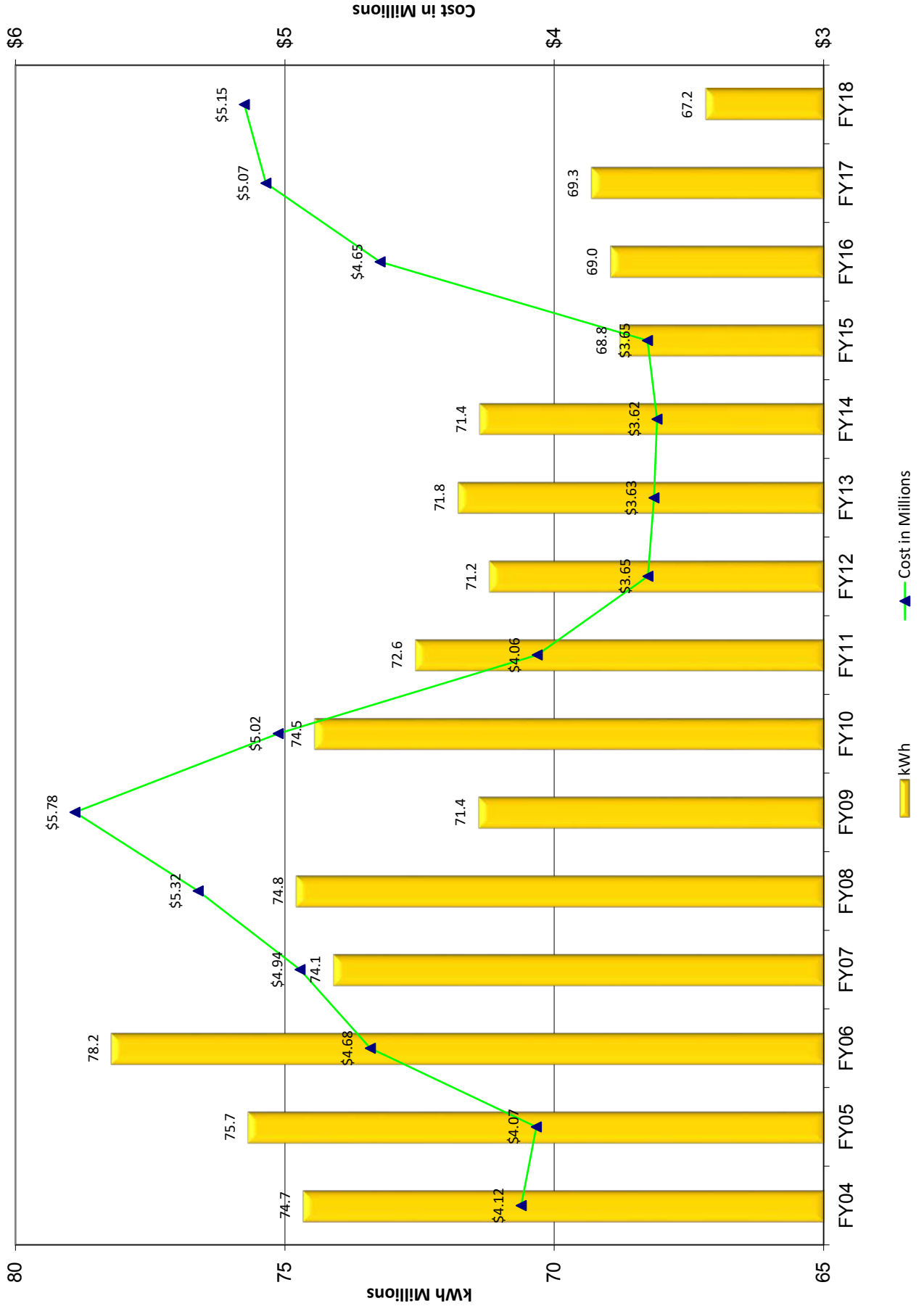
# Campus Combined Substations Electrical use compared to Cost





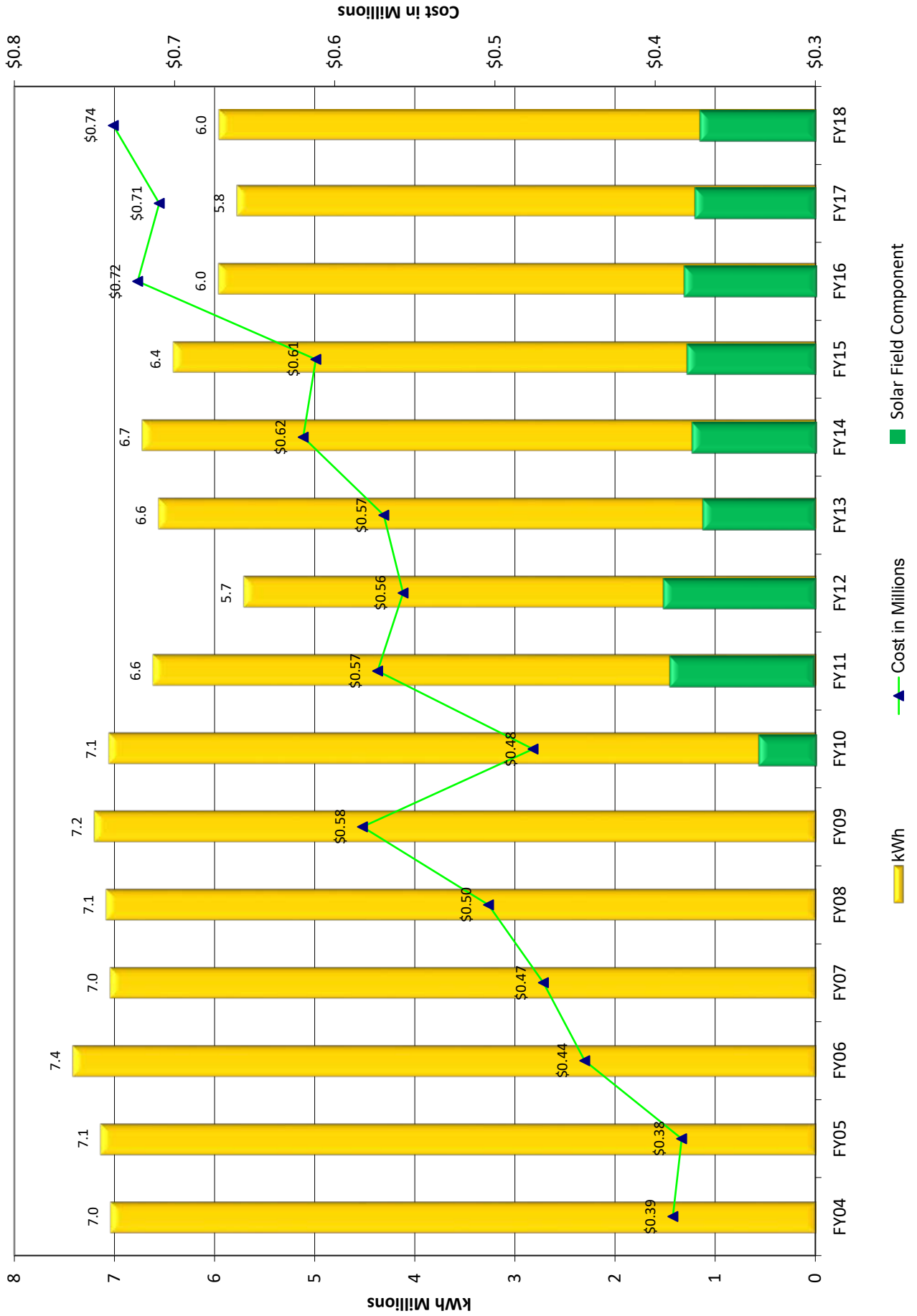
# MAIN CAMPUS Substation

## Electrical use compared to Cost

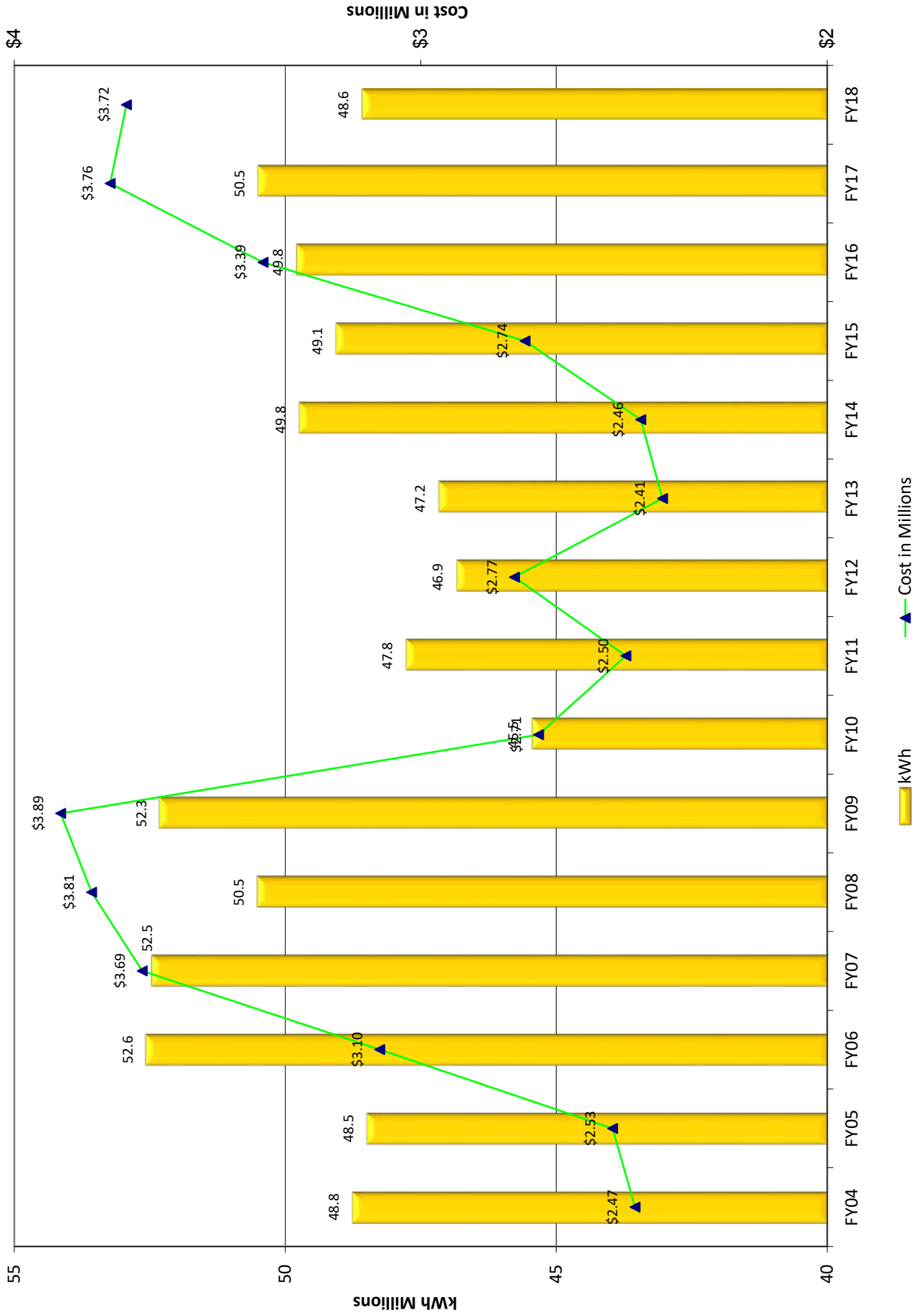


# SCOTT PARK CAMPUS Substation

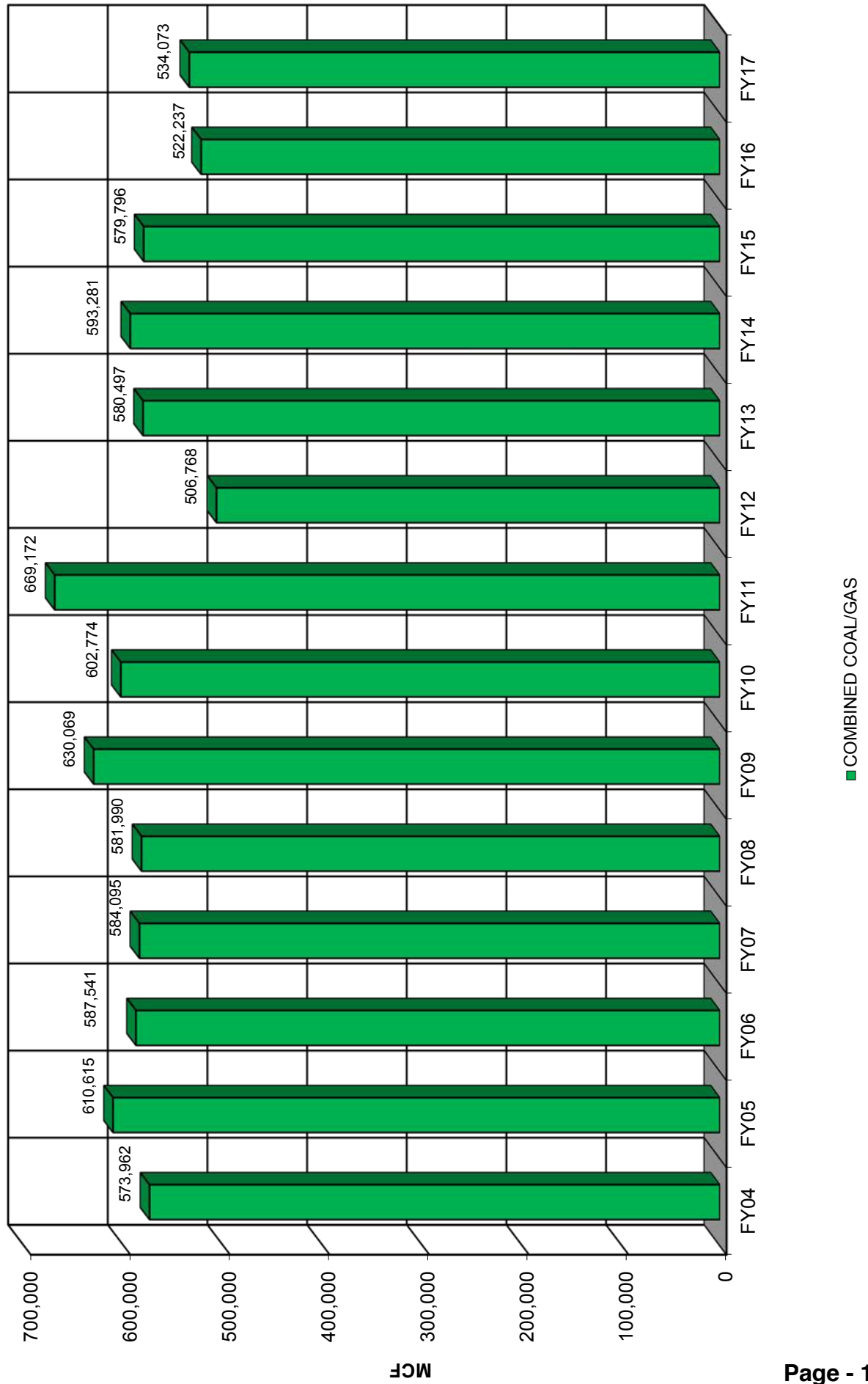
## Electrical use compared to Cost



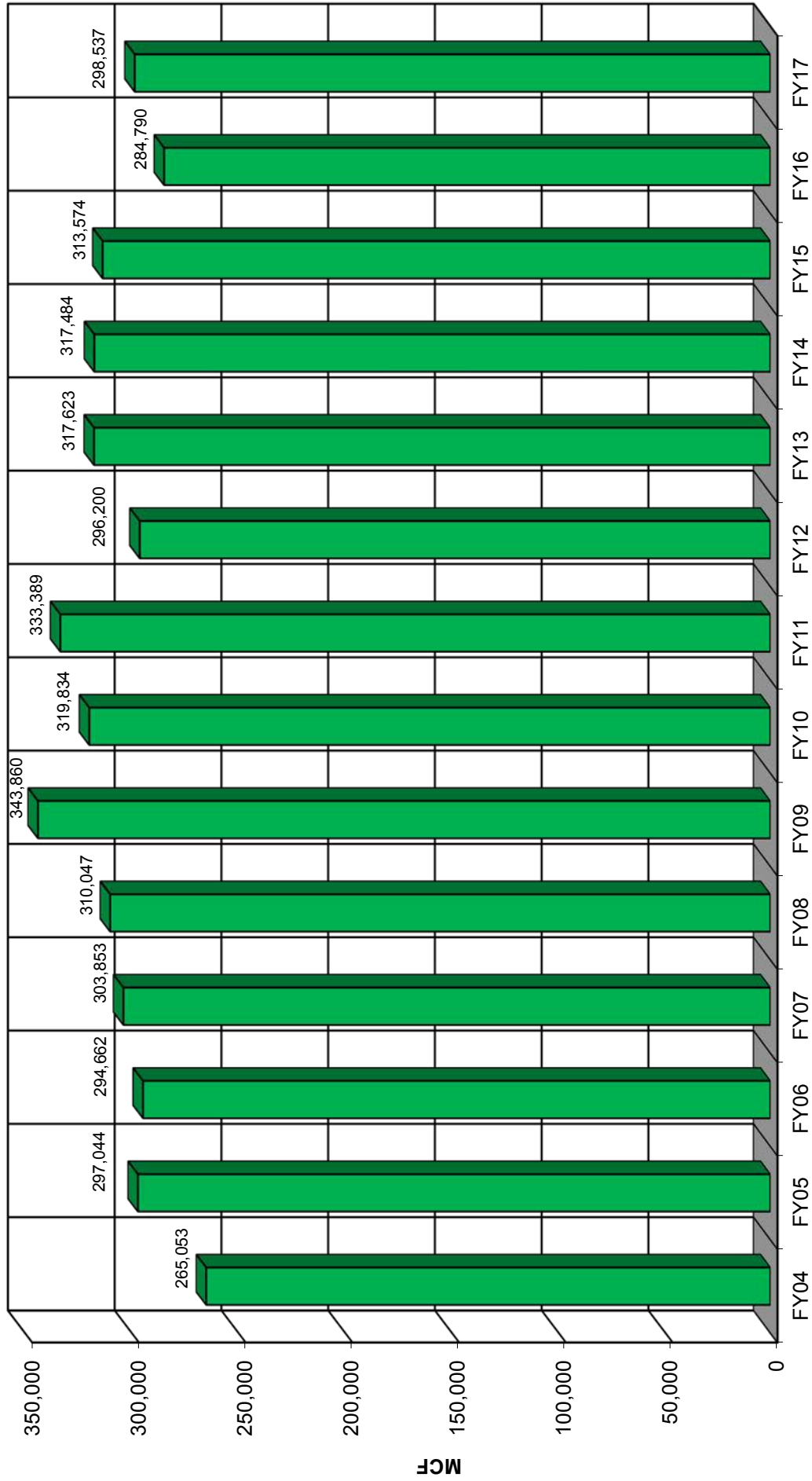
# HEALTH SCIENCE CAMPUS Substation Electrical use compared to Cost



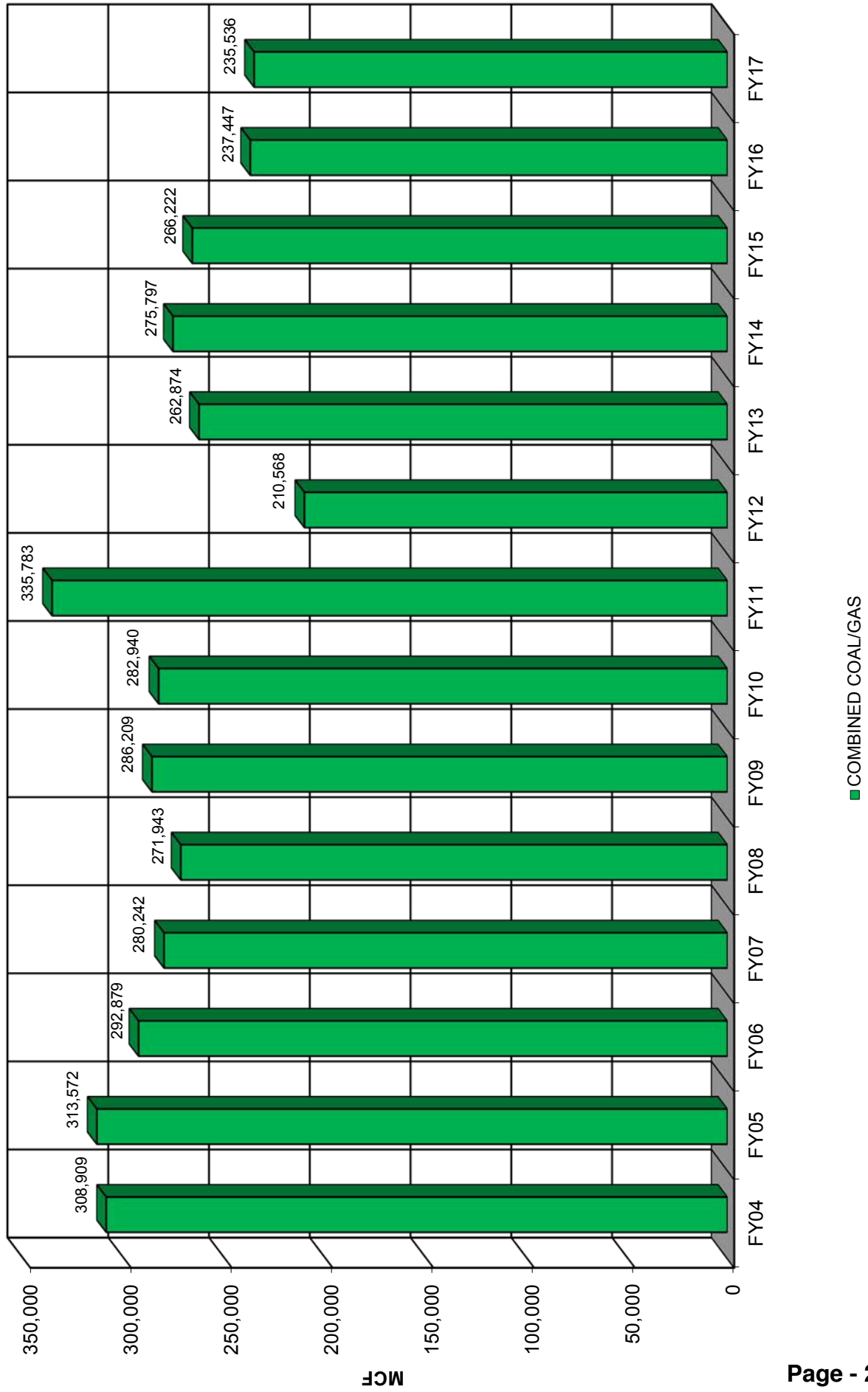
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# MAIN CAMPUS YEARLY STEAM PLANT GAS



# HEALTH SCIENCE CAMPUS YEARLY POWERHOUSE COAL/GAS



**UNIVERSITY OF TOLEDO**  
**BUILDING Energy USAGE FISCAL YEAR 2018**

<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	297,459	4,039	10	0.6270
Bowman-Oddy Laboratories	178,727	3,585,881	8,956	156	1.1867
Carlson Library	256,547	1,659,395	12,855		0.7218
Carter Hall East and West	124,889	360,067		4,608	0.1362
Center for Performing Arts	64,983	741,203	3,256		0.8904
Center for Visual Arts	51,899	1,172,770		3,743	0.8452
Child Care Center	15,941	97,750		590	0.2472
Driscoll Alumni Center	38,675	499,761	1,938		0.9421
Gillham Hall	92,347	612,209	4,627		0.7273
Glass Bowl Stadium	103,578	1,125,446		2,317	0.3938
Grounds and Fleet Services	13,009	116,821		988	0.3844
Health and Human Services (All)	163,006	1,418,982	8,168	10,367	0.8634
Health Education Center	79,016	650,306	3,918		0.3317
International House	138,904	1,149,287	6,960	108	0.7843
Lake Erie Center	34,054	641,100		3,070	0.7349
Larimer Athletic Complex	32,139	904,290	1,594	635	1.0385
Law Center	125,392	3,290,823	6,283	9	1.3969
Libbey Hall	16,767	130,687	840	87	0.7724
MacKinnon Hall	41,787	195,945	2,094		0.6611
Main Campus Medical Center	12,574	152,980	630		0.9163
McComas Village (All)	124,533	524,470		2,343	0.1630
McMaster Hall	67,194	883,766	3,367		0.9500
Memorial Field House	156,074	1,117,547	7,820		0.7455
Nitschke Hall-Nitschke Aud	132,159	1,503,440	6,622		0.8893
Nitschke Tech Commercialization Cplx	39,961	477,211		118	0.4106
North Engineering	252,894	3,418,812	12,672		0.9625
Ottawa House East & West	271,293	2,664,932	13,594	4,374	0.8529
Palmer Hall	67,040	1,111,923	3,359		1.0672
Parks Tower	166,213	2,203,759	8,329	296	0.9554
Peterson House	4,316	20,300		141	0.1939
Plant Operations	30,861	295,551		2,345	0.4047
Presidents Hall (The Crossings)	228,990	2,419,451	11,474	103	0.8621
Research & Technology Complex 1 (R1)	55,209	1,410,053		1,193	0.8938
Ritter Astrophysical Research Center	15,317	145,410	767		0.8251
Rocket Hall	109,552	858,350		2,697	0.2926
Savage Hall (John F. Savage Hall)	199,380	2,414,728	9,990		0.9144
Scott Tucker Hall	42,710	662,346	2,140		1.0304
Sculptural Studies	7,502	88,500		2,264	0.7120
Snyder Memorial	47,947	400,475	2,403		0.7861
Stranahan Arboretum	7,386	6,521		226	0.0615
Stranahan Hall	121,135	1,377,291	6,070		0.8891
Student Recreation Center	157,446	2,780,153	7,889	20	0.6575
Student Union (All)	221,225	2,544,144	11,085	2,206	0.9038
Sullivan Hall	13,401	237,983	671		1.1072
Transportation Center	19,826	246,968		1,303	0.4925
University Computer Center	32,872	1,881,785	1,647	2,159	3.8270
University Hall	292,633	3,594,174	14,663	467	0.9219
Westwood Building (All)	271,332	537,560		5,961	0.0901
Wolfe Hall	188,501	5,253,386	9,445	10	1.4523
<b>SUB TOTALS</b>	<b>5,009,739</b>	<b>59,884,149</b>	<b>200,167</b>	<b>54,913</b>	

**UNIVERSITY OF TOLEDO**  
**BUILDING Energy USAGE FISCAL YEAR 2018**

	<b>GSF</b>	<b>Electric kWh</b>	<b>Steam Mlbs</b>	<b>Natural Gas MCF</b>	<b>EUI</b>
<b>Health Science Campus</b>					
Center Creative Education	88,810	1,039,831	8,024		1.3031
Collier Allied Health	111,363	951,782	10,062		1.1952
Dana Cancer Center	43,975	1,277,925	3,973		1.8953
Dowling Hall	247,616	5,539,962	22,372		1.6671
Facility Support	26,932	236,206	2,433		1.2028
Glendale Medical Center	40,516	426,160		714	0.3771
Glendale Medical East (VA)	40,447	349,833		1,641	0.3368
Health Education Bldg	254,875	18,076,186	23,028		3.3241
Health Science Bldg. (Block)	168,764	5,024,609	15,248		1.9197
Heatherdowns Educare Center	36,400	179,356		4,262	0.2882
Kobacker	41,140	105,480	3,717		0.9910
Lab Incubator (Records Retention)	20,533	81,060			0.1347
Mulford Library Bldg	137,930	1,618,453	12,462		1.3040
Northwest Medical Tech Center	38,614	1,139,096		2,691	1.0783
Records Retention	32,086	195,281		704	0.2302
Ruppert Center	114,126	1,052,316	10,311		1.2182
University Medical Ctr (Hospital)	378,123	14,633,519	34,164		2.2244
<b>SUB TOTALS</b>	<b>1,822,250</b>	<b>51,927,055</b>	<b>145,795</b>	<b>10,012</b>	
<b>Scott Park Campus</b>					
Basic Science-Allied Health-Classrm Ctr	77,096	1,170,070			0.5180
Engineering Technology Laboratory Center	24,812	479,440			0.6595
Faculty Annex	8,895	119,040			0.4568
Findlay Athletic Complex	6,593	107,601		906	0.6978
Learning Resource Ctr-Acad Services Ctr	127,430	1,735,100			0.4647
Non-Academic Services Center	14,881	985,734			2.2608
Scott Park Student Center	30,601	853,260			0.9517
<b>SUB TOTALS</b>	<b>290,308</b>	<b>5,450,245</b>		<b>906</b>	
<b>GRAND TOTALS</b>	<b>7,122,297</b>	<b>117,261,449</b>	<b>345,962</b>	<b>65,831</b>	



**UNIVERSITY OF TOLEDO**  
**BUILDING Utility COST FISCAL YEAR 2018**

<b>Main Campus</b>	<b>Electric</b>	<b>Steam</b>	<b>Natural Gas</b>	<b>Water</b>	<b>Total</b>
Academic House	\$22,839	\$31,549	\$46	\$8,397	\$62,832
Bowman-Oddy Laboratories	\$274,334	\$69,957	\$605	\$57,796	\$402,692
Carlson Library	\$128,326	\$100,417		\$33,321	\$262,064
Carter Hall East and West	\$27,451		\$17,889	\$6,171	\$51,511
Center for Performing Arts	\$56,624	\$25,436		\$9,938	\$91,997
Center for Visual Arts	\$89,921		\$18,637	\$26,883	\$135,441
Child Care Center	\$7,475		\$4,708	\$3,432	\$15,615
Driscoll Alumni Center	\$38,160	\$15,138		\$19,795	\$73,093
Gillham Hall	\$46,803	\$36,146		\$4,430	\$87,379
Glass Bowl Stadium	\$85,417		\$8,924	\$11,085	\$105,426
Grounds and Fleet Services	\$8,893		\$5,386	\$953	\$15,232
Health and Human Services (All)	\$108,702	\$63,804	\$76,072	\$21,356	\$269,934
Health Education Center	\$49,683	\$30,609		\$34,626	\$114,918
International House	\$87,722	\$54,370	\$991	\$41,011	\$184,093
Lake Erie Center	\$61,546		\$15,756	\$2,963	\$80,264
Larimer Athletic Complex	\$67,683	\$12,450	\$2,508	\$14,191	\$96,832
Law Center	\$252,382	\$49,081	\$325	\$8,482	\$310,269
Libbey Hall	\$10,033	\$6,563	\$786	\$1,746	\$19,128
MacKinnon Hall	\$14,974	\$16,356		\$9,120	\$40,451
Main Campus Medical Center	\$11,726	\$4,922		\$5,570	\$22,218
McComas Village (All)	\$39,960		\$17,196	\$43,092	\$100,247
McMaster Hall	\$67,696	\$26,301		\$3,223	\$97,221
Memorial Field House	\$85,763	\$61,090		\$67,474	\$214,327
Nitschke Hall-Nitschke Aud	\$115,359	\$51,729		\$25,290	\$192,378
Nitschke Tech Commercialization Cplx	\$36,506		\$927	\$8,099	\$45,533
North Engineering	\$263,245	\$98,987		\$156,299	\$518,531
Ottawa House East & West	\$203,584	\$106,189	\$31,137	\$84,553	\$425,464
Palmer Hall	\$85,282	\$26,241	\$14,623	\$12,829	\$138,974
Parks Tower	\$168,370	\$65,059	\$1,261	\$87,050	\$321,739
Peterson House	\$2,456		\$522	\$457	\$3,435
Plant Operations	\$22,519		\$12,777	\$2,261	\$37,557
Presidents Hall (The Crossings)	\$185,538	\$89,631	\$398	\$71,939	\$347,506
Research & Technology Complex 1 (R1)	\$108,329		\$4,772	\$5,068	\$118,170
Ritter Astrophysical Research Center	\$11,132	\$5,995		\$735	\$17,862
Rocket Hall	\$65,594		\$14,210	\$16,051	\$95,856
Savage Hall (John F. Savage Hall)	\$184,198	\$78,041		\$15,966	\$278,205
Scott Tucker Hall	\$51,276	\$16,717		\$7,436	\$75,430
Sculptural Studies	\$11,417		\$12,104	\$8,270	\$31,791
Snyder Memorial	\$30,777	\$18,767		\$2,300	\$51,844
Stranahan Arboretum	\$913		\$1,470	\$880	\$3,263
Stranahan Hall	\$105,409	\$47,414		\$5,811	\$158,634
Student Recreation Center	\$213,198	\$61,627	\$80	\$39,486	\$314,391
Student Union (All)	\$194,395	\$86,592	\$8,508	\$147,844	\$437,340
Sullivan Hall	\$18,192	\$5,245		\$1,396	\$24,834
Transportation Center	\$18,928		\$4,971	\$2,819	\$26,718
University Computer Center	\$144,232	\$12,867	\$9,022	\$9,981	\$176,101
University Hall	\$274,484	\$114,542	\$1,819	\$14,038	\$404,883
Westwood Building (All)	\$49,456		\$33,103	\$6,188	\$88,746
Wolfe Hall	\$401,307	\$73,783	\$348	\$48,870	\$524,308
<b>SUB TOTALS</b>	<b>\$4,610,210</b>	<b>\$1,563,616</b>	<b>\$321,880</b>	<b>\$1,216,970</b>	<b>\$7,712,676</b>

**UNIVERSITY OF TOLEDO**  
**BUILDING Utility COST FISCAL YEAR 2018**

<b>Health Science Campus</b>	<b>Electric</b>	<b>Steam</b>	<b>Natural Gas</b>	<b>Water</b>	<b>Total</b>
Center Creative Education	\$79,582	\$59,836		\$8,215	\$147,633
Collier Allied Health	\$72,730	\$75,031		\$25,718	\$173,480
Dana Cancer Center	\$97,632	\$29,628		\$6,838	\$134,097
Dowling Hall	\$424,788	\$166,832		\$40,650	\$632,270
Facility Support	\$18,088	\$18,145		\$4,269	\$40,503
Glendale Medical Center	\$32,610		\$3,664	\$11,495	\$47,769
Glendale Medical East (VA)	\$26,842		\$8,585	\$4,354	\$39,782
Health Education Bldg	\$1,386,895	\$171,722		\$126,790	\$1,685,408
Health Science Bldg. (Block)	\$384,067	\$113,705		\$147,086	\$644,858
Heatherdowns Educare Center	\$23,465		\$20,516	\$8,490	\$52,471
Kobacker	\$8,063	\$27,718		\$14,483	\$50,264
Lab Incubator (Records Retention)	\$6,184		\$1,566	\$1,570	\$9,320
Mulford Library Bldg	\$123,772	\$92,930		\$2,124	\$218,826
Northwest Medical Tech Center	\$87,375		\$14,117	\$7,511	\$109,003
Records Retention	\$14,884		\$3,287	\$2,068	\$20,238
Ruppert Center	\$80,395	\$76,893		\$23,093	\$180,380
University Medical Ctr (Hospital)	\$1,121,468	\$254,761		\$308,588	\$1,684,817
<b>SUB TOTALS</b>	<b>\$3,988,839</b>	<b>\$1,087,201</b>	<b>\$51,735</b>	<b>\$743,344</b>	<b>\$5,871,119</b>
<b>Scott Park Campus</b>					
Basic Science-Allied Health-Classrm Ctr	\$140,882			\$11,382	\$152,264
Engineering Technology Laboratory Center	\$58,137			\$3,663	\$61,801
Faculty Annex	\$14,301			\$1,313	\$15,614
Findlay Athletic Complex	\$13,865		\$6,816	\$6,126	\$26,807
Learning Resource Ctr-Acad Services Ctr	\$210,889			\$18,814	\$229,703
Non-Academic Services Center	\$131,605			\$13,343	\$144,948
Scott Park Student Center	\$104,703			\$5,608	\$110,312
<b>SUB TOTALS</b>	<b>\$674,383</b>		<b>\$6,816</b>	<b>\$60,249</b>	<b>\$741,448</b>
<b>GRAND TOTALS</b>	<b>\$9,273,431</b>	<b>\$2,650,817</b>	<b>\$380,431</b>	<b>\$2,020,563</b>	<b>\$14,325,243</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)	TOTAL		100 cubic feet (Mcf)	Cost per McF
July	0	232	100%	39,160	169	\$0.075	\$2,919	0	0.00	\$7.81	\$0	2	\$4.03	\$2,927
August	14	135	100%	31,752	213	\$0.075	\$2,393	9	0.06	\$7.81	\$73	4	\$5.27	\$2,488
September	48	177	100%	28,291	126	\$0.079	\$2,221	32	0.14	\$7.81	\$252	3	\$4.10	\$2,485
October	260	29	100%	20,890	72	\$0.078	\$1,623	175	0.60	\$7.81	\$1,365	0	\$0.00	\$2,988
November	695	0	100%	17,539	25	\$0.073	\$1,280	467	0.67	\$7.81	\$3,648	0	\$0.00	\$4,928
December	1,187	0	100%	24,423	21	\$0.073	\$1,774	798	0.67	\$7.81	\$6,231	0	\$0.00	\$8,005
1st half yr	2204	573		162,055	58	\$0.075	\$12,210	1,481	0.53	\$7.81	\$11,570	9	\$4.61	\$23,821
January	1,236	0	100%	17,303	14	\$0.073	\$1,259	831	0.67	\$7.81	\$6,488	0	\$0.00	\$7,747
February	933	0	100%	15,538	17	\$0.074	\$1,156	627	0.67	\$7.81	\$4,898	0	\$0.00	\$6,054
March	919	0	100%	22,870	25	\$0.074	\$1,686	618	0.67	\$7.81	\$4,824	0	\$0.00	\$6,510
April	650	0	100%	17,518	27	\$0.081	\$1,422	437	0.67	\$7.81	\$3,412	0	\$0.00	\$4,834
May	64	127	100%	26,106	137	\$0.082	\$2,145	43	0.23	\$7.81	\$336	0	\$0.00	\$2,481
June	4	224	100%	36,068	158	\$0.082	\$2,963	3	0.01	\$7.81	\$21	1	\$4.21	\$2,988
2nd half yr	3806	351		135,404	33	\$0.079	\$10,630	2,558	0.62	\$7.81	\$19,980	1	\$4.21	\$30,613
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>297,459</b>	<b>43</b>	<b>\$0.077</b>	<b>\$22,839</b>	<b>4,039</b>	<b>0.58</b>	<b>\$7.81</b>	<b>\$31,549</b>	<b>10</b>	<b>\$4.57</b>	<b>\$54,434</b>

Building Data:	1991	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	80,603	Electricity = KWH X 3413	1,015,226
Gross Volume (ft)3	644,824	Steam = M (lbs) X 1,000,000	4,038,823
General Notes:		Natural Gas = MCF X 102,500	1,025
		Other Fuel	0
		TOTAL BTU's x 1,000	5,054,049

CHILLED WATER COST/YEAR	ENERGY COST / SQ. FT. / YEAR	WATER COST TOTAL/YEAR	WATER / SQ. FT. / YEAR	UTILITY COST/YEAR
\$9,794	\$0.80	\$8,397	\$0.10	\$72,625

Energy Utilization Index =	Total BTU Consumption/Yr	Gross Area (ft) 2	Divided by 100,000 =	THERMS
	5,054,049,071	80,603	0.6270	

BUILDING: Bowman Oddy  
 FY YEAR: 2018

DATE : 08/08/18

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		100 cubic feet (Mcf)	Cost per McF
July	0	232	100%	293,953	1,267	\$0.075	\$21,910	0	0.00	\$7.81	\$0	1	\$4.03	\$21,914
August	14	135	100%	238,247	1,599	\$0.075	\$17,957	21	0.14	\$7.81	\$163	0	\$0.00	\$18,120
September	48	177	100%	306,404	1,362	\$0.079	\$24,055	72	0.32	\$7.81	\$559	0	\$0.00	\$24,614
October	260	29	100%	301,356	1,043	\$0.078	\$23,413	387	1.34	\$7.81	\$3,026	1	\$3.99	\$26,443
November	695	0	100%	300,122	432	\$0.073	\$21,898	1,036	1.49	\$7.81	\$8,090	3	\$3.71	\$29,999
December	1187	0	100%	302,122	255	\$0.073	\$21,942	1,769	1.49	\$7.81	\$13,817	32	\$3.70	\$35,877
1st half yr	2204	573		1,742,203	627	\$0.075	\$131,175	3,284	1.18	\$7.81	\$25,655	37	\$3.71	\$156,967
January	1236	0	100%	373,590	302	\$0.073	\$27,179	1,842	1.49	\$7.81	\$14,387	37	\$3.75	\$41,705
February	933	0	100%	221,774	238	\$0.074	\$16,497	1,390	1.49	\$7.81	\$10,860	36	\$3.82	\$27,494
March	919	0	100%	329,706	359	\$0.074	\$24,301	1,369	1.49	\$7.81	\$10,697	24	\$4.21	\$35,099
April	650	0	100%	284,603	438	\$0.081	\$23,100	969	1.49	\$7.81	\$7,566	20	\$4.15	\$30,749
May	64	127	100%	271,245	1,420	\$0.082	\$22,282	95	0.50	\$7.81	\$745	1	\$2.92	\$23,030
June	4	224	100%	362,760	1,591	\$0.082	\$29,800	6	0.03	\$7.81	\$47	1	\$4.21	\$29,851
2nd half yr	3806	351		1,843,678	444	\$0.078	\$143,159	5,671	1.36	\$7.81	\$44,302	119	\$3.93	\$187,929
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>3,585,881</b>	<b>517</b>	<b>\$0.077</b>	<b>\$274,334</b>	<b>8,956</b>	<b>1.29</b>	<b>\$7.81</b>	<b>\$69,957</b>	<b>156</b>	<b>\$3.88</b>	<b>\$344,896</b>

Building Data: 1966 Energy Consumption to BTU Conversions

Gross Area (ft)2 178,727 Electricity = KWH X 3413 BTUs x 1,000 12,238,612

Gross Volume (ft)3 1,429,816 Steam = M (lbs) X 1,000,000 8,955,580  
 Natural Gas = MCF X 102,500 15,990  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 21,210,182.559  
 Divided by 100,000 = 1.1867 THERMS  
 Gross Area (ft) 2 178,727

ENERGY COST / SQ. FT. / YEAR \$1.93  
 WATER COST TOTAL/YEAR \$57,796  
 WATER / SQ. FT. / YEAR \$0.32  
 UTILITY COST/YEAR \$402,692

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	0	232	100%	103,181	762	\$0.075	\$7,691	0	0.00	\$7.81	\$0	0	\$4.50	\$0
August	14	135	100%	110,150	872	\$0.075	\$8,302	30	0.20	\$7.81	\$234	0	\$4.50	\$0
September	48	177	100%	125,722	1,527	\$0.079	\$9,870	103	0.46	\$7.81	\$802	0	\$4.50	\$0
October	260	29	100%	125,456	840	\$0.078	\$9,747	556	1.92	\$7.81	\$4,344	0	\$4.50	\$0
November	695	0	100%	121,402	356	\$0.073	\$8,858	1,487	2.14	\$7.81	\$11,612	0	\$4.50	\$0
December	1187	0	100%	122,238	188	\$0.073	\$8,878	2,539	2.14	\$7.81	\$19,833	0	\$4.50	\$0
1st half yr	2204	573		708,149	255	\$0.075	\$53,346	4,714	1.70	\$7.81	\$36,825	0	\$4.50	\$0
January	1236	0	100%	133,242	174	\$0.073	\$9,693	2,644	2.14	\$7.81	\$20,652	0	\$4.50	\$0
February	933	0	100%	90,159	232	\$0.074	\$6,706	1,996	2.14	\$7.81	\$15,589	0	\$4.50	\$0
March	919	0	100%	127,979	302	\$0.074	\$9,433	1,966	2.14	\$7.81	\$15,355	0	\$4.50	\$0
April	650	0	100%	132,503	560	\$0.081	\$10,755	1,390	2.14	\$7.81	\$10,860	0	\$4.50	\$0
May	64	127	100%	194,275	939	\$0.082	\$15,959	137	0.72	\$7.81	\$1,069	0	\$4.50	\$0
June	4	224	100%	273,088	1,197	\$0.082	\$22,434	9	0.04	\$7.81	\$67	0	\$4.50	\$0
2nd half yr	3806	351		951,246	229	\$0.079	\$74,980	8,141	1.96	\$7.81	\$63,592	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,659,395</b>	<b>239</b>	<b>\$0.077</b>	<b>\$128,326</b>	<b>12,855</b>	<b>1.85</b>	<b>\$7.81</b>	<b>\$100,417</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1973 Energy Consumption to BTU Conversions

Gross Area (ft)2 256,547 Electricity = KWH X 3413 BTU's x 1,000 5,663,515

Gross Volume (ft)3 2,052,376 Steam = M (lbs) X 1,000,000 12,854,954

Energy Utilization Index = Total BTU Consumption/Yr 18,518,468,675  
 Divided by 100,000 = 0.7218 THERMS  
 Gross Area (ft) 2 256,547

General Notes:

Fuel Oil = Gallons X 138,690

Other Fuel 0

TOTAL BTU's x 1,000 18,518,469

ENERGY COST / SQ. FT. / YEAR \$0.89  
 WATER COST TOTAL/YEAR \$33,321  
 WATER / SQ. FT. / YEAR \$0.13  
 UTILITY COST/YEAR \$262,064

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	0	232	100%	13,468	58	\$0.075	\$1,004	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	15,235	102	\$0.075	\$1,148	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	16,933	75	\$0.079	\$1,329	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	19,702	68	\$0.078	\$1,531	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	24,645	35	\$0.073	\$1,798	64	0.09	\$3.71	\$237	0	\$4.50	\$0
December	1187	0	100%	39,529	33	\$0.073	\$2,871	864	0.73	\$3.70	\$3,193	0	\$4.50	\$0
1st half yr	2204	573		129,513	47	\$0.075	\$9,681	928	0.33	\$3.70	\$3,430	0	\$4.50	\$0
January	1236	0	100%	40,574	33	\$0.073	\$2,952	1,058	0.86	\$3.75	\$3,968	0	\$4.50	\$0
February	933	0	100%	41,568	45	\$0.074	\$3,092	1,165	1.25	\$3.82	\$4,445	0	\$4.50	\$0
March	919	0	100%	50,945	55	\$0.074	\$3,755	824	0.90	\$4.21	\$3,472	0	\$4.50	\$0
April	650	0	100%	36,353	56	\$0.081	\$2,951	571	0.88	\$4.15	\$2,372	0	\$4.50	\$0
May	64	127	100%	41,839	219	\$0.082	\$3,437	46	0.24	\$2.92	\$134	0	\$4.50	\$0
June	4	224	100%	19,276	85	\$0.082	\$1,583	16	0.07	\$4.21	\$67	0	\$4.50	\$0
2nd half yr	3806	351		230,554	55	\$0.077	\$17,770	3,680	0.89	\$3.93	\$14,458	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>360,067</b>	<b>52</b>	<b>\$0.076</b>	<b>\$27,451</b>	<b>4,608</b>	<b>0.66</b>	<b>\$3.88</b>	<b>\$17,889</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

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

1,228,909

472,320

0

0

1,701,229

Energy Utilization Index =

Total BTU Consumption/Yr

Gross Area (ft) 2

Divided by 100,000 =

0.1362

THERMS

1,701,228,795

124,889

ENERGY COST / SQ. FT. / YEAR \$0.36  
 WATER COST TOTAL/YEAR \$6,171  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$51,511

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	0	232	100%	48,345	208	\$0.075	\$3,603	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	42,782	287	\$0.075	\$3,225	8	0.05	\$7.81	0	\$4.50	\$0
September	48	177	100%	55,713	248	\$0.079	\$4,374	26	0.12	\$7.81	0	\$4.50	\$0
October	260	29	100%	56,500	196	\$0.078	\$4,390	141	0.49	\$7.81	0	\$4.50	\$0
November	695	0	100%	67,306	97	\$0.073	\$4,911	377	0.54	\$7.81	0	\$4.50	\$0
December	1187	0	100%	65,532	55	\$0.073	\$4,759	643	0.54	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		336,177	121	\$0.075	\$25,262	1,194	0.43	\$7.81	0	\$4.50	\$0
January	1236	0	100%	75,045	61	\$0.073	\$5,460	670	0.54	\$7.81	0	\$4.50	\$0
February	933	0	100%	73,026	78	\$0.074	\$5,432	505	0.54	\$7.81	0	\$4.50	\$0
March	919	0	100%	68,338	74	\$0.074	\$5,037	498	0.54	\$7.81	0	\$4.50	\$0
April	650	0	100%	62,092	96	\$0.081	\$5,040	352	0.54	\$7.81	0	\$4.50	\$0
May	64	127	100%	68,918	361	\$0.082	\$5,661	35	0.18	\$7.81	0	\$4.50	\$0
June	4	224	100%	57,606	253	\$0.082	\$4,732	2	0.01	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		405,026	97	\$0.077	\$31,362	2,062	0.50	\$7.81	0	\$4.50	\$0
TOTAL/YEAR	6010	924		741,203	107	\$0.076	\$56,624	3,256	0.47	\$7.81	0	\$4.50	\$0

Building Data: 1976 Energy Consumption to BTU Conversions

BTUs x 1,000

Electricity = KWH X 3413

2,529,725

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

3,256,142

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTUs x 1,000

5,785,867

Energy Utilization Index =

Total BTU Consumption/Yr  
 Gross Area (ft) 2

5,785,866,905  
 64,983

Divided by 100,000 = 0.8904 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.26  
 WATER COST TOTAL/YEAR \$9,938  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$91,997

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	0	232	100%	115,958	500	\$0.077	\$8,891	15	0.06	\$29.16	\$437	0	\$4.50	\$0
August	14	135	100%	106,807	717	\$0.077	\$8,189	9	0.06	\$46.66	\$420	0	\$4.50	\$0
September	48	177	100%	107,814	479	\$0.077	\$8,266	201	0.89	\$6.06	\$1,218	0	\$4.50	\$0
October	260	29	100%	137,449	476	\$0.077	\$10,539	209	0.72	\$5.83	\$1,218	0	\$4.50	\$0
November	695	0	100%	104,465	150	\$0.077	\$8,010	247	0.36	\$5.28	\$1,304	0	\$4.50	\$0
December	1187	0	100%	89,328	75	\$0.077	\$6,849	363	0.31	\$4.78	\$1,737	0	\$4.50	\$0
1st half yr	2204	573		661,822	238	\$0.077	\$50,744	1,044	0.38	\$6.07	\$6,334	0	\$4.50	\$0
January	1236	0	100%	55,545	45	\$0.077	\$4,259	748	0.61	\$4.16	\$3,111	0	\$4.50	\$0
February	933	0	100%	70,924	76	\$0.077	\$5,438	512	0.55	\$4.47	\$2,289	0	\$4.50	\$0
March	919	0	100%	85,494	93	\$0.077	\$6,555	453	0.49	\$5.01	\$2,267	0	\$4.50	\$0
April	650	0	100%	82,538	127	\$0.077	\$6,328	328	0.50	\$5.12	\$1,680	0	\$4.50	\$0
May	64	127	100%	107,619	563	\$0.077	\$8,252	266	1.39	\$4.10	\$1,090	0	\$4.50	\$0
June	4	224	100%	108,829	477	\$0.077	\$8,344	392	1.72	\$4.76	\$1,866	0	\$4.50	\$0
2nd half yr	3806	351		510,949	123	\$0.077	\$39,176	2,699	0.65	\$4.56	\$12,303	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,172,770</b>	<b>169</b>	<b>\$0.077</b>	<b>\$89,921</b>	<b>3,743</b>	<b>0.54</b>	<b>\$4.98</b>	<b>\$18,637</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data:	1991	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	51,899	Electricity = KWH X 3413	4,002,665
Gross Volume (ft)3	415,192	Natural Gas = MCF X 102,500	383,658
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	4,386,323

Energy Utilization Index =	
Total BTU Consumption/Yr	4,386,322,663
Gross Area (ft) 2	51,899
Divided by 100,000 =	0.8452
	THERMS

ENERGY COST / SQ. FT. / YEAR	\$2.09
WATER COST TOTAL/YEAR	\$26,883
WATER / SQ. FT. / YEAR	\$0.52
UTILITY COST/YEAR	\$135,441



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	0	232	100%	6,149	27	\$0.075	\$458	0	0.00	\$0.00	\$84	0	\$4.50	\$0
August	14	135	100%	6,548	44	\$0.075	\$494	1	0.00	\$174.24	\$87	0	\$4.50	\$0
September	48	177	100%	7,213	32	\$0.079	\$566	3	0.01	\$37.83	\$102	0	\$4.50	\$0
October	260	29	100%	8,785	30	\$0.078	\$683	8	0.03	\$17.23	\$138	0	\$4.50	\$0
November	695	0	100%	9,032	13	\$0.073	\$659	49	0.07	\$8.30	\$406	0	\$4.50	\$0
December	1187	0	100%	10,205	9	\$0.073	\$741	86	0.07	\$7.34	\$629	0	\$4.50	\$0
1st half yr	2204	573		47,932	17	\$0.075	\$3,601	146	0.05	\$9.92	\$1,446	0	\$4.50	\$0
January	1236	0	100%	8,946	7	\$0.073	\$651	54	0.04	\$8.00	\$430	0	\$4.50	\$0
February	933	0	100%	7,258	8	\$0.074	\$540	50	0.05	\$8.13	\$406	0	\$4.50	\$0
March	919	0	100%	8,505	9	\$0.074	\$627	293	0.32	\$0.00	\$1,842	0	\$4.50	\$0
April	650	0	100%	6,519	10	\$0.081	\$529	45	0.07	\$10.27	\$462	0	\$4.50	\$0
May	64	127	100%	8,923	47	\$0.082	\$733	3	0.01	\$45.52	\$123	0	\$4.50	\$0
June	4	224	100%	9,667	42	\$0.082	\$794	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		49,818	12	\$0.078	\$3,874	445	0.11	\$7.34	\$3,262	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>97,750</b>	<b>14</b>	<b>\$0.076</b>	<b>\$7,475</b>	<b>590</b>	<b>0.09</b>	<b>\$7.98</b>	<b>\$4,708</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data:	1996	BTU's x 1,000
Gross Area (ft)2	15,941	333,621
Gross Volume (ft)3	127,528	60,506
General Notes:		
Energy Consumption to BTU Conversions		
Electricity = KWH X 3413		
Natural Gas = MCF X 102,500		
Fuel Oil = Gallons X 138,690		
Other Fuel		
<b>TOTAL BTU's x 1,000</b>		<b>394,127</b>

Energy Utilization Index =  $\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2}$  =  $\frac{394,127,141}{15,941} = 0.2472$  THERMS

Divided by 100,000 = 0.2472 THERMS

ENERGY COST / SQ. FT. / YEAR \$0.76  
 WATER COST TOTAL/YEAR \$3,432  
 WATER / SQ. FT. / YEAR \$0.22  
 UTILITY COST/YEAR \$15,615

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	0	232	100%	34,645	149	\$0.075	\$2,582	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	34,897	234	\$0.075	\$2,630	5	0.03	\$7.81	0	\$4.50	\$0
September	48	177	100%	34,585	154	\$0.079	\$2,715	15	0.07	\$7.81	0	\$4.50	\$0
October	260	29	100%	37,869	131	\$0.078	\$2,942	84	0.29	\$7.81	0	\$4.50	\$0
November	695	0	100%	41,663	60	\$0.073	\$3,040	224	0.32	\$7.81	0	\$4.50	\$0
December	1187	0	100%	45,188	38	\$0.073	\$3,282	383	0.32	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		228,846	82	\$0.075	\$17,192	711	0.26	\$7.81	0	\$4.50	\$0
January	1236	0	100%	46,474	38	\$0.073	\$3,381	399	0.32	\$7.81	0	\$4.50	\$0
February	933	0	100%	52,039	56	\$0.074	\$3,871	301	0.32	\$7.81	0	\$4.50	\$0
March	919	0	100%	48,129	52	\$0.074	\$3,547	296	0.32	\$7.81	0	\$4.50	\$0
April	650	0	100%	40,420	62	\$0.081	\$3,281	210	0.32	\$7.81	0	\$4.50	\$0
May	64	127	100%	43,446	227	\$0.082	\$3,569	21	0.11	\$7.81	0	\$4.50	\$0
June	4	224	100%	40,406	177	\$0.082	\$3,319	1	0.01	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		270,914	65	\$0.077	\$20,968	1,227	0.30	\$7.81	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>499,761</b>	<b>72</b>	<b>\$0.076</b>	<b>\$38,160</b>	<b>1,938</b>	<b>0.28</b>	<b>\$7.81</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data:	1977	Energy Consumption to BTU Conversions	BTUs x 1,000
Gross Area (ft)2	38,675	Electricity = KWH X 3413	1,705,683
Gross Volume (ft)3	309,400	Steam = M (lbs) X 1,000,000	1,937,911
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTUs x 1,000	3,643,595

ENERGY COST / SQ. FT. / YEAR	\$1.38
WATER COST TOTAL/YEAR	\$19,795
WATER / SQ. FT. / YEAR	\$0.51
UTILITY COST/YEAR	\$73,093

Energy Utilization Index =	Total BTU Consumption/Yr	Gross Area (ft) 2	Divided by 100,000 =	THERMS
	3,643,594,540	38,675	0.9421	

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	0	232	100%	43,893	189	\$0.075	\$3,272	0	0.00	\$7.81	\$0	0	\$4.50	\$0
August	14	135	100%	48,288	324	\$0.075	\$3,640	11	0.07	\$7.81	\$84	0	\$4.50	\$0
September	48	177	100%	50,418	224	\$0.079	\$3,958	37	0.16	\$7.81	\$289	0	\$4.50	\$0
October	260	29	100%	56,658	196	\$0.078	\$4,402	200	0.69	\$7.81	\$1,564	0	\$4.50	\$0
November	695	0	100%	52,443	75	\$0.073	\$3,827	535	0.77	\$7.81	\$4,180	0	\$4.50	\$0
December	1187	0	100%	52,677	44	\$0.073	\$3,826	914	0.77	\$7.81	\$7,139	0	\$4.50	\$0
1st half yr	2204	573		304,377	110	\$0.075	\$22,923	1,697	0.61	\$7.81	\$13,256	0	\$4.50	\$0
January	1236	0	100%	55,946	45	\$0.073	\$4,070	952	0.77	\$7.81	\$7,434	0	\$4.50	\$0
February	933	0	100%	46,903	50	\$0.074	\$3,489	718	0.77	\$7.81	\$5,611	0	\$4.50	\$0
March	919	0	100%	56,414	61	\$0.074	\$4,158	708	0.77	\$7.81	\$5,527	0	\$4.50	\$0
April	650	0	100%	43,261	67	\$0.081	\$3,511	500	0.77	\$7.81	\$3,909	0	\$4.50	\$0
May	64	127	100%	46,679	158	\$0.082	\$3,835	49	0.26	\$7.81	\$385	0	\$4.50	\$0
June	4	224	100%	58,630	196	\$0.082	\$4,816	3	0.01	\$7.81	\$24	0	\$4.50	\$0
2nd half yr	3806	351		307,832	74	\$0.078	\$23,879	2,930	0.70	\$7.81	\$22,891	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>612,209</b>	<b>88</b>	<b>\$0.076</b>	<b>\$46,803</b>	<b>4,627</b>	<b>0.67</b>	<b>\$7.81</b>	<b>\$36,146</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1953 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

2,089,470

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

4,627,286

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

6,716,756

Energy Utilization Index =

Total BTU Consumption/Yr

6,716,756,294

Gross Area (ft) 2

92,347

Divided by 100,000 =

0.7273

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.90  
 WATER COST TOTAL/YEAR \$4,430  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$87,379

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	0	232	100%	56,727	245	\$0.075	\$4,228	7	0.03	\$4.03	\$28	0	\$4.50	\$0
August	14	135	100%	89,493	601	\$0.075	\$6,745	6	0.04	\$5.27	\$32	0	\$4.50	\$0
September	48	177	100%	92,163	410	\$0.079	\$7,235	9	0.04	\$4.10	\$37	0	\$4.50	\$0
October	260	29	100%	99,963	346	\$0.078	\$7,766	14	0.05	\$3.99	\$56	0	\$4.50	\$0
November	695	0	100%	116,975	168	\$0.073	\$8,535	74	0.11	\$3.71	\$274	0	\$4.50	\$0
December	1187	0	100%	131,151	110	\$0.073	\$9,525	390	0.33	\$3.70	\$1,441	0	\$4.50	\$0
1st half yr	2204	573		586,470	211	\$0.075	\$44,035	500	0.18	\$3.74	\$1,868	0	\$4.50	\$0
January	1236	0	100%	119,278	97	\$0.073	\$8,678	548	0.44	\$3.75	\$2,055	0	\$4.50	\$0
February	933	0	100%	76,177	82	\$0.074	\$5,666	517	0.55	\$3.82	\$1,973	0	\$4.50	\$0
March	919	0	100%	129,237	141	\$0.074	\$9,525	318	0.35	\$4.21	\$1,340	0	\$4.50	\$0
April	650	0	100%	91,975	141	\$0.081	\$7,465	324	0.50	\$4.15	\$1,346	0	\$4.50	\$0
May	64	127	100%	40,879	214	\$0.082	\$3,358	94	0.49	\$2.92	\$274	0	\$4.50	\$0
June	4	224	100%	81,430	357	\$0.082	\$6,689	16	0.07	\$4.21	\$67	0	\$4.50	\$0
2nd half yr	3806	351		538,976	130	\$0.077	\$41,382	1,817	0.44	\$3.88	\$7,055	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,125,446</b>	<b>162</b>	<b>\$0.076</b>	<b>\$85,417</b>	<b>2,317</b>	<b>0.33</b>	<b>\$3.85</b>	<b>\$8,924</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1937 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

3,841,149

Energy Utilization Index =

Total BTU Consumption/Yr 4,078,641,146

Gross Area (ft) 2 103,578

Divided by 100,000 = 0.3938

THERMS

Other Fuel

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

4,078,641

ENERGY COST / SQ. FT. / YEAR \$0.91

WATER COST TOTAL/YEAR \$11,085

WATER / SQ. FT. / YEAR \$0.11

UTILITY COST/YEAR \$105,426

BUILDING: Grounds  
 FY YEAR: 2018

DATE : 08/08/18

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	0	232	100%	8,587	37	\$0.075	\$640	2	0.01	\$57.07	\$135	0	\$4.50	\$0
August	14	135	100%	9,473	64	\$0.075	\$714	2	0.02	\$58.20	\$138	0	\$4.50	\$0
September	48	177	100%	7,783	35	\$0.079	\$611	3	0.01	\$51.69	\$138	0	\$4.50	\$0
October	260	29	100%	8,304	29	\$0.078	\$645	5	0.02	\$29.33	\$148	0	\$4.50	\$0
November	695	0	100%	8,705	13	\$0.073	\$635	50	0.07	\$6.38	\$318	0	\$4.50	\$0
December	1187	0	100%	12,465	11	\$0.073	\$905	164	0.14	\$4.48	\$737	0	\$4.50	\$0
1st half yr	2204	573		55,318	20	\$0.075	\$4,151	227	0.08	\$7.12	\$1,614	0	\$4.50	\$0
January	1236	0	100%	13,302	11	\$0.073	\$968	268	0.22	\$4.22	\$1,132	0	\$4.50	\$0
February	933	0	100%	10,107	11	\$0.074	\$752	187	0.20	\$4.56	\$850	0	\$4.50	\$0
March	919	0	100%	11,738	13	\$0.074	\$865	153	0.17	\$5.17	\$790	0	\$4.50	\$0
April	650	0	100%	7,612	12	\$0.081	\$618	113	0.17	\$5.33	\$601	0	\$4.50	\$0
May	64	127	100%	8,329	44	\$0.082	\$684	39	0.21	\$6.47	\$255	0	\$4.50	\$0
June	4	224	100%	10,416	46	\$0.082	\$856	2	0.01	\$61.10	\$145	0	\$4.50	\$0
2nd half yr	3806	351		61,503	15	\$0.077	\$4,742	762	0.18	\$4.95	\$3,772	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>116,821</b>	<b>17</b>	<b>\$0.076</b>	<b>\$8,893</b>	<b>988</b>	<b>0.14</b>	<b>\$5.45</b>	<b>\$5,386</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1995

Gross Area (ft)2 13,009

Gross Volume (ft)3 104,072

General Notes:

Energy Consumption to BTU Conversions

Electricity = KWH X 3413  
 BTUs x 1,000  
 398,711

Natural Gas = MCF X 102,500  
 101,306

Fuel Oil = Gallons X 138,690  
 0

Other Fuel  
 0

TOTAL BTUs x 1,000  
 500,017

Energy Utilization Index =

Total BTU Consumption/Yr 500,016,867  
 Gross Area (ft) 2 13,009

Divided by 100,000 =

0.3844

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.10  
 WATER COST TOTAL/YEAR \$953  
 WATER / SQ. FT. / YEAR \$0.07  
 UTILITY COST/YEAR \$15,232

BUILDING: Health Human Services  
 FY YEAR: 2018

DATE : 08/08/18

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)	1000 cubic feet (Mcf)	Cost per McF
July	0	232	100%	103,708	447	\$0.075	\$7,730	0	0.00	\$7.81	261	\$0.00	\$2,889
August	14	135	100%	100,375	674	\$0.075	\$7,565	19	0.13	\$7.81	510	\$0.00	\$4,294
September	48	177	100%	103,438	460	\$0.079	\$8,121	65	0.29	\$7.81	582	\$0.00	\$4,606
October	260	29	100%	111,376	385	\$0.078	\$8,653	353	1.22	\$7.81	726	\$0.00	\$5,393
November	695	0	100%	118,033	170	\$0.073	\$8,612	945	1.36	\$7.81	1,323	\$0.00	\$9,003
December	1187	0	100%	117,821	99	\$0.073	\$8,557	1,613	1.36	\$7.81	1,722	\$0.00	\$10,740
1st half yr	2204	573		654,751	236	\$0.075	\$49,238	2,995	1.08	\$7.81	5,124	\$0.00	\$36,923
January	1236	0	100%	118,339	96	\$0.073	\$8,609	1,680	1.36	\$7.81	1,213	\$0.00	\$12,306
February	933	0	100%	123,048	132	\$0.074	\$9,153	1,268	1.36	\$7.81	1,425	\$0.00	\$9,228
March	919	0	100%	133,168	145	\$0.074	\$9,815	1,249	1.36	\$7.81	713	\$0.00	\$4,516
April	650	0	100%	126,552	195	\$0.081	\$10,272	883	1.36	\$7.81	1,756	\$0.00	\$10,900
May	64	127	100%	136,598	715	\$0.082	\$11,221	87	0.46	\$7.81	131	\$0.00	\$2,067
June	4	224	100%	126,526	555	\$0.082	\$10,394	5	0.02	\$7.81	4	\$0.00	\$131
2nd half yr	3806	351		764,231	184	\$0.078	\$59,464	5,173	1.24	\$7.81	5,242	\$0.00	\$39,148
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,418,982</b>	<b>205</b>	<b>\$0.077</b>	<b>\$108,702</b>	<b>8,168</b>	<b>1.18</b>	<b>\$7.81</b>	<b>10,367</b>	<b>\$0.00</b>	<b>\$76,072</b>

Building Data: 1961 Energy Consumption to BTU Conversions

Gross Area (ft)2 163,006 Electricity = KWH X 3413 BTU's x 1,000 4,842,986

Gross Volume (ft)3 1,304,048 Steam = M (lbs) X 1,000,000 8,167,839  
 Natural Gas = MCF X 102,500 1,062,600  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 14,073,425,176  
 Divided by 100,000 = 0.8634 THERMS  
 Gross Area (ft) 2 163,006

ENERGY COST / SQ. FT. / YEAR \$1.52  
 WATER COST TOTAL/YEAR \$21,356  
 WATER / SQ. FT. / YEAR \$0.13  
 UTILITY COST/YEAR \$269,934

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	0	232	100%	45,253	195	\$0.075	\$3,373	0	0.00	\$0.00	\$0	0	\$0.00	\$3,373
August	14	135	100%	45,784	307	\$0.075	\$3,451	0	0.00	\$0.00	\$0	0	\$0.00	\$3,451
September	48	177	100%	49,391	220	\$0.079	\$3,878	0	0.00	\$0.00	\$0	0	\$0.00	\$3,878
October	260	29	100%	55,293	191	\$0.078	\$4,296	171	0.59	\$7.81	\$1,338	0	\$0.00	\$5,634
November	695	0	100%	55,923	80	\$0.073	\$4,080	458	0.66	\$7.81	\$3,577	0	\$0.00	\$7,657
December	1187	0	100%	61,154	52	\$0.073	\$4,441	782	0.66	\$7.81	\$6,108	0	\$0.00	\$10,550
1st half yr	2204	573		312,797	113	\$0.075	\$23,519	1,411	0.51	\$7.81	\$11,023	0	\$0.00	\$34,542
January	1236	0	100%	65,226	53	\$0.073	\$4,745	814	0.66	\$7.81	\$6,361	0	\$0.00	\$11,106
February	933	0	100%	48,506	52	\$0.074	\$3,608	615	0.66	\$7.81	\$4,801	0	\$0.00	\$8,409
March	919	0	100%	62,803	68	\$0.074	\$4,629	605	0.66	\$7.81	\$4,729	0	\$0.00	\$9,358
April	650	0	100%	43,041	66	\$0.081	\$3,493	428	0.66	\$7.81	\$3,345	0	\$0.00	\$6,838
May	64	127	100%	55,834	292	\$0.082	\$4,587	42	0.22	\$7.81	\$329	0	\$0.00	\$4,916
June	4	224	100%	62,099	272	\$0.082	\$5,101	3	0.01	\$7.81	\$21	0	\$0.00	\$5,122
2nd half yr	3806	351		337,509	81	\$0.078	\$26,164	2,507	0.60	\$7.81	\$19,586	0	\$0.00	\$45,750
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>650,306</b>	<b>94</b>	<b>\$0.076</b>	<b>\$49,683</b>	<b>3,918</b>	<b>0.57</b>	<b>\$7.81</b>	<b>\$30,609</b>	<b>0</b>	<b>\$0.00</b>	<b>\$80,292</b>

Building Data: 1967 Energy Consumption to BTU Conversions

Gross Area (ft)2	79,016	Electricity = KWH X 3413	BTU's x 1,000	2,219,495
Gross Volume (ft)3	632,128	Natural Gas = MCF X 102,500	401,642	
General Notes:		Fuel Oil = Gallons X 138,690	0	
		Other Fuel	0	
		TOTAL BTU's x 1,000	2,621,137	

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{2,621,136,791}{79,016}$$

$$\text{Divided by 100,000} = 0.3317 \text{ THERMS}$$

ENERGY COST / SQ. FT. / YEAR	\$1.02
WATER COST TOTAL/YEAR	\$34,626
WATER / SQ. FT. / YEAR	\$0.44
UTILITY COST/YEAR	\$114,918

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	0	232	100%	80,512	347	\$0.075	\$6,001	0	0.00	\$7.81	\$0	0	\$844.90	\$84	\$6,086
August	14	135	100%	73,461	493	\$0.075	\$5,537	16	0.11	\$7.81	\$127	10	\$15.41	\$146	\$5,810
September	48	177	100%	101,841	453	\$0.079	\$7,995	56	0.25	\$7.81	\$434	16	\$6.96	\$114	\$8,544
October	260	29	100%	113,319	392	\$0.078	\$8,804	301	1.04	\$7.81	\$2,352	20	\$6.50	\$133	\$11,288
November	695	0	100%	107,336	154	\$0.073	\$7,832	805	1.16	\$7.81	\$6,287	13	\$7.39	\$97	\$14,216
December	1187	0	100%	106,075	89	\$0.073	\$7,704	1,375	1.16	\$7.81	\$10,738	2	\$17.25	\$38	\$18,480
1st half yr	2204	573		582,543	210	\$0.075	\$43,873	2,552	0.92	\$7.81	\$19,939	62	\$9.92	\$612	\$64,423
January	1236	0	100%	94,518	76	\$0.073	\$6,876	1,431	1.16	\$7.81	\$11,181	11	\$0.00	\$0	\$18,058
February	933	0	100%	104,550	112	\$0.074	\$7,777	1,081	1.16	\$7.81	\$8,440	7	\$7.11	\$48	\$16,265
March	919	0	100%	107,902	117	\$0.074	\$7,953	1,064	1.16	\$7.81	\$8,314	9	\$7.57	\$68	\$16,335
April	650	0	100%	98,164	151	\$0.081	\$7,967	753	1.16	\$7.81	\$5,880	6	\$8.98	\$57	\$13,905
May	64	127	100%	75,437	395	\$0.082	\$6,197	74	0.39	\$7.81	\$579	9	\$7.92	\$74	\$6,850
June	4	224	100%	86,173	378	\$0.082	\$7,079	5	0.02	\$7.81	\$36	4	\$0.00	\$131	\$7,246
2nd half yr	3806	351		566,744	136	\$0.077	\$43,850	4,408	1.06	\$7.81	\$34,431	46	\$8.21	\$378	\$78,659
TOTAL/YEAR	6010	924		1,149,287	166	\$0.076	\$87,722	6,960	1.00	\$7.81	\$54,370	108	\$9.19	\$991	\$143,083

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 3,922,517  
 Electricity = KWH X 3413  
 Steam = M (lbs) X 1,000,000 6,960,146  
 Natural Gas = MCF X 102,500 11,050  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 10,893,712,225  
 Gross Area (ft) 2 138,904  
 Divided by 100,000 = 0.7843 THERMS

CHILLED WATER COST/YEAR \$36,400  
 ENERGY COST / SQ. FT. / YEAR \$1.29  
 WATER COST TOTAL/YEAR \$41,011  
 WATER / SQ. FT. / YEAR \$0.30  
 UTILITY COST/YEAR \$220,493



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	0	232	100%	79,400	342	\$0.096	\$7,622	123	0.53	\$6.65	\$819	0	\$4.50	\$0
August	14	135	100%	71,400	479	\$0.096	\$6,854	113	0.76	\$8.13	\$919	0	\$4.50	\$0
September	48	177	100%	61,900	275	\$0.096	\$5,942	127	0.56	\$6.72	\$854	0	\$4.50	\$0
October	260	29	100%	50,100	173	\$0.096	\$4,810	187	0.65	\$5.69	\$1,064	0	\$4.50	\$0
November	695	0	100%	49,700	72	\$0.096	\$4,771	274	0.39	\$4.86	\$1,333	0	\$4.50	\$0
December	1187	0	100%	42,900	36	\$0.096	\$4,118	537	0.45	\$4.29	\$2,303	0	\$4.50	\$0
1st half yr	2204	573		355,400	128	\$0.096	\$34,118	1,361	0.49	\$5.36	\$7,291	0	\$4.50	\$0
January	1236	0	100%	43,200	35	\$0.096	\$4,147	348	0.28	\$4.65	\$1,618	0	\$4.50	\$0
February	933	0	100%	40,600	44	\$0.096	\$3,898	344	0.37	\$4.77	\$1,641	0	\$4.50	\$0
March	919	0	100%	38,900	42	\$0.096	\$3,734	319	0.35	\$5.29	\$1,689	0	\$4.50	\$0
April	650	0	100%	43,200	66	\$0.096	\$4,147	243	0.37	\$5.45	\$1,325	0	\$4.50	\$0
May	64	127	100%	52,700	276	\$0.096	\$5,059	238	1.25	\$4.22	\$1,005	0	\$4.50	\$0
June	4	224	100%	67,100	294	\$0.096	\$6,442	217	0.95	\$5.47	\$1,187	0	\$4.50	\$0
2nd half yr	3806	351		285,700	69	\$0.096	\$27,427	1,709	0.41	\$4.95	\$8,465	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>641,100</b>	<b>92</b>	<b>\$0.096</b>	<b>\$61,546</b>	<b>3,070</b>	<b>0.44</b>	<b>\$5.13</b>	<b>\$15,756</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1997  
 Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 Gross Area (ft)2 34,054 Electricity = KWH X 3413 2,188,074  
 Energy Utilization Index =  
 Gross Volume (ft)3 272,432 Natural Gas = MCF X 102,500 314,675  
 Total BTU Consumption/Yr 2,502,749,300  
 General Notes: Fuel Oil = Gallons X 138,690  
 Other Fuel 0  
 Divided by 100,000 = 0.7349 THERMS  
 Gross Area (ft) 2 34,054

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)	TOTAL		1000 cubic feet (Mcf)	Cost per McF
July	0	232	100%	83,725	361	\$0.075	\$6,241	0	0.00	\$0.00	\$0	37	\$4.03	\$149
August	14	135	100%	567,996	3,812	\$0.075	\$42,811	0	0.00	\$0.00	\$0	39	\$5.27	\$206
September	48	177	100%	(809,531)	(3,598)	\$0.079	(\$63,554)	0	0.00	\$0.00	\$0	71	\$4.10	\$291
October	260	29	100%	139,900	484	\$0.078	\$10,869	70	0.24	\$7.81	\$544	48	\$3.99	\$192
November	695	0	100%	89,890	129	\$0.073	\$6,559	186	0.27	\$7.81	\$1,455	94	\$3.71	\$348
December	1187	0	100%	105,330	89	\$0.073	\$7,650	318	0.27	\$7.81	\$2,485	71	\$3.70	\$262
1st half yr	2204	573		177,310	64	\$0.060	\$10,575	574	0.21	\$7.81	\$4,484	360	\$4.02	\$1,448
January	1236	0	100%	115,740	94	\$0.073	\$8,420	331	0.27	\$7.81	\$2,587	34	\$3.75	\$128
February	933	0	100%	75,920	81	\$0.074	\$5,647	250	0.27	\$7.81	\$1,953	55	\$3.82	\$210
March	919	0	100%	98,790	107	\$0.074	\$7,281	246	0.27	\$7.81	\$1,924	45	\$4.21	\$190
April	650	0	100%	102,430	158	\$0.081	\$8,314	174	0.27	\$7.81	\$1,361	52	\$4.15	\$216
May	64	127	100%	131,710	690	\$0.082	\$10,820	17	0.09	\$7.81	\$134	45	\$2.92	\$131
June	4	224	100%	202,390	888	\$0.082	\$16,626	1	0.00	\$7.81	\$8	44	\$4.21	\$185
2nd half yr	3806	351		726,980	175	\$0.079	\$57,108	1,020	0.25	\$7.81	\$7,967	275	\$3.85	\$1,060
TOTAL/YEAR	6010	924		904,290	130	\$0.075	\$67,683	1,594	0.23	\$7.81	\$12,450	635	\$3.95	\$2,508

Building Data: 1990

Gross Area (ft)2 32,139

Gross Volume (ft)3 257,112

General Notes:

Energy Consumption to BTU Conversions	BTU's x 1,000	
Electricity = KWH X 3413	3,086,340	
Natural Gas = MCF X 102,500	163,364	
Fuel Oil = Gallons X 138,700	88,075	
Other Fuel	0	
TOTAL BTU's x 1,000	3,337,779	

Energy Utilization Index =

Total BTU Consumption/Yr 3,337,778,535

Gross Area (ft) 2 32,139

Divided by 100,000 = 1.0385 THERMS

ENERGY COST / SQ. FT. / YEAR	\$2.57
WATER COST TOTAL/YEAR	\$14,191
WATER / SQ. FT. / YEAR	\$0.44
UTILITY COST/YEAR	\$96,832

BUILDING: Law Center  
 FY YEAR: 2018

DATE : 08/08/18

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
July	0	232	100%	238,208	1,027	\$0.075	\$17,755	0	0.00	\$7.81	\$0	1	\$59.38	\$17,785
August	14	135	100%	247,602	1,662	\$0.075	\$18,662	15	0.10	\$7.81	\$114	1	\$58.66	\$18,806
September	48	177	100%	268,099	1,192	\$0.079	\$21,048	50	0.22	\$7.81	\$392	0	\$73.43	\$21,469
October	260	29	100%	276,570	957	\$0.078	\$21,487	272	0.94	\$7.81	\$2,123	0	\$72.10	\$23,639
November	695	0	100%	237,947	342	\$0.073	\$17,362	727	1.05	\$7.81	\$5,676	1	\$60.12	\$23,068
December	1187	0	100%	259,304	218	\$0.073	\$18,832	1,241	1.05	\$7.81	\$9,694	1	\$59.82	\$28,556
1st half yr	2204	573		1,527,730	550	\$0.075	\$115,146	2,304	0.83	\$7.81	\$17,999	3	\$63.29	\$133,322
January	1236	0	100%	296,638	240	\$0.073	\$21,581	1,292	1.05	\$7.81	\$10,094	1	\$59.28	\$31,704
February	933	0	100%	251,662	270	\$0.074	\$18,720	975	1.05	\$7.81	\$7,619	4	\$7.19	\$26,368
March	919	0	100%	308,679	336	\$0.074	\$22,751	961	1.05	\$7.81	\$7,505	0	\$71.43	\$30,285
April	650	0	100%	256,534	395	\$0.081	\$20,822	680	1.05	\$7.81	\$5,308	0	\$74.83	\$26,160
May	64	127	100%	318,418	1,667	\$0.082	\$26,157	67	0.35	\$7.81	\$523	1	\$61.42	\$26,711
June	4	224	100%	331,161	1,452	\$0.082	\$27,204	4	0.02	\$7.81	\$33	Mcf Jul	\$0.00	\$27,237
2nd half yr	3806	351		1,763,093	424	\$0.078	\$137,235	3,979	0.96	\$7.81	\$31,082	6	\$25.45	\$168,465
TOTAL/YEAR	6010	924		3,290,823	475	\$0.077	\$252,382	6,283	0.91	\$7.81	\$49,081	9	\$37.77	\$301,787

Building Data: 1972 Energy Consumption to BTU Conversions

Gross Area (ft)2 125,392 Electricity = KWH X 3413 BTU's x 1,000 11,231,579

Gross Volume (ft)3 1,003,136 Steam = M (lbs) X 1,000,000 6,283,092 Energy Utilization Index = Total BTU Consumption/Yr 17,515,552,039

General Notes: Natural Gas = MCF X 102,500 882 Divided by 100,000 = 1.3969 THERMS  
 Other Fuel 0  
 TOTAL BTU's x 1,000 17,515,552  
 Gross Area (ft) 2 125,392

ENERGY COST / SQ. FT. / YEAR \$2.41  
 WATER COST TOTAL/YEAR \$8,482  
 WATER / SQ. FT. / YEAR \$0.07  
 UTILITY COST/YEAR \$310,269

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	0	232	100%	8,999	39	\$0.075	\$671	0	0.00	\$7.81	\$0	7	\$8.97	\$66	\$736
August	14	135	100%	9,120	61	\$0.075	\$687	2	0.01	\$7.81	\$15	8	\$8.74	\$69	\$772
September	48	177	100%	10,760	48	\$0.079	\$845	7	0.03	\$7.81	\$52	7	\$9.45	\$69	\$966
October	260	29	100%	12,297	43	\$0.078	\$955	36	0.13	\$7.81	\$284	7	\$9.05	\$67	\$1,306
November	695	0	100%	10,300	15	\$0.073	\$752	97	0.14	\$7.81	\$759	8	\$9.28	\$77	\$1,588
December	1187	0	100%	14,094	12	\$0.073	\$1,024	166	0.14	\$7.81	\$1,296	8	\$9.82	\$82	\$2,401
1st half yr	2204	573		65,570	24	\$0.075	\$4,933	308	0.11	\$7.81	\$2,407	47	\$9.23	\$429	\$7,769
January	1236	0	100%	9,308	8	\$0.073	\$677	173	0.14	\$7.81	\$1,350	10	\$8.78	\$85	\$2,112
February	933	0	100%	7,817	8	\$0.074	\$581	130	0.14	\$7.81	\$1,019	7	\$8.86	\$65	\$1,665
March	919	0	100%	10,806	12	\$0.074	\$796	128	0.14	\$7.81	\$1,004	7	\$8.90	\$66	\$1,866
April	650	0	100%	10,085	16	\$0.081	\$819	91	0.14	\$7.81	\$710	8	\$8.88	\$68	\$1,596
May	64	127	100%	14,159	74	\$0.082	\$1,163	9	0.05	\$7.81	\$70	8	\$9.10	\$74	\$1,307
June	4	224	100%	12,942	57	\$0.082	\$1,063	1	0.00	\$7.81	\$4	0	\$0.00	\$0	\$1,068
2nd half yr	3806	351		65,117	16	\$0.078	\$5,100	532	0.13	\$7.81	\$4,156	40	\$8.90	\$357	\$9,613
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>130,687</b>	<b>19</b>	<b>\$0.077</b>	<b>\$10,033</b>	<b>840</b>	<b>0.12</b>	<b>\$7.81</b>	<b>\$6,563</b>	<b>87</b>	<b>\$9.08</b>	<b>\$786</b>	<b>\$17,382</b>

Building Data: 1935 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

16,767

446,035

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

134,136

840,154

Natural Gas = MCF X 102,500

8,877

8,877

Other Fuel

0

0

TOTAL BTU's x 1,000

1,295,065

1,295,065

ENERGY COST / SQ. FT. / YEAR \$1.04  
 WATER COST TOTAL/YEAR \$1,746  
 WATER / SQ. FT. / YEAR \$0.10  
 UTILITY COST/YEAR \$19,128

Energy Utilization Index =

Total BTU Consumption/Yr 1,295,065,078  
 Gross Area (ft) 2 16,767

Divided by 100,000 = 0.7724 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	0	232	100%	10,280	44	\$0.075	\$766	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	13,187	89	\$0.075	\$994	5	0.03	\$7.81	0	\$4.50	\$0
September	48	177	100%	15,527	69	\$0.079	\$1,219	17	0.07	\$7.81	0	\$4.50	\$0
October	260	29	100%	18,214	63	\$0.078	\$1,415	91	0.31	\$7.81	0	\$4.50	\$0
November	695	0	100%	18,045	26	\$0.073	\$1,317	242	0.35	\$7.81	0	\$4.50	\$0
December	1187	0	100%	17,823	15	\$0.073	\$1,294	414	0.35	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		93,076	34	\$0.075	\$7,005	768	0.28	\$7.81	0	\$4.50	\$0
January	1236	0	100%	19,227	16	\$0.073	\$1,399	431	0.35	\$7.81	0	\$4.50	\$0
February	933	0	100%	16,204	17	\$0.074	\$1,205	325	0.35	\$7.81	0	\$4.50	\$0
March	919	0	100%	18,884	21	\$0.074	\$1,392	320	0.35	\$7.81	0	\$4.50	\$0
April	650	0	100%	15,871	24	\$0.081	\$1,288	226	0.35	\$7.81	0	\$4.50	\$0
May	64	127	100%	18,846	99	\$0.082	\$1,548	22	0.12	\$7.81	0	\$4.50	\$0
June	4	224	100%	13,837	61	\$0.082	\$1,137	1	0.01	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		102,870	25	\$0.077	\$7,969	1,326	0.32	\$7.81	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>195,945</b>	<b>28</b>	<b>\$0.076</b>	<b>\$14,974</b>	<b>2,094</b>	<b>0.30</b>	<b>\$7.81</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1938 Energy Consumption to BTU Conversions

Gross Area (ft)2 41,787 BTUs x 1,000 668,761

Energy Utilization Index =

Gross Volume (ft)3 334,296

Total BTU Consumption/Yr 2,762,607,359

Gross Area (ft) 2 41,787

General Notes: Fuel Oil = Gallons X 138,690 Divided by 100,000 = 0.6611 THERMS

TOTAL BTUs x 1,000 2,762,607

CHILLED WATER COST/YEAR \$10,200  
 ENERGY COST / SQ. FT. / YEAR \$0.99  
 WATER COST TOTAL/YEAR \$9,120  
 WATER / SQ. FT. / YEAR \$0.22  
 UTILITY COST/YEAR \$50,651

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	0	232	100%	13,740	59	\$0.075	\$1,024	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	14,420	97	\$0.075	\$1,087	1	0.01	\$7.81	0	\$4.50	\$0
September	48	177	100%	15,450	69	\$0.079	\$1,213	5	0.02	\$7.81	0	\$4.50	\$0
October	260	29	100%	12,920	45	\$0.078	\$1,004	27	0.09	\$7.81	0	\$4.50	\$0
November	695	0	100%	10,580	15	\$0.073	\$772	73	0.10	\$7.81	0	\$4.50	\$0
December	1187	0	100%	12,370	10	\$0.073	\$898	124	0.10	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		79,480	29	\$0.075	\$5,998	231	0.08	\$7.81	0	\$4.50	\$0
January	1236	0	100%	14,470	12	\$0.073	\$1,053	130	0.10	\$7.81	0	\$4.50	\$0
February	933	0	100%	7,890	8	\$0.074	\$587	98	0.10	\$7.81	0	\$4.50	\$0
March	919	0	100%	12,100	13	\$0.074	\$892	96	0.10	\$7.81	0	\$4.50	\$0
April	650	0	100%	10,370	16	\$0.081	\$842	68	0.10	\$7.81	0	\$4.50	\$0
May	64	127	100%	11,690	61	\$0.082	\$960	7	0.04	\$7.81	0	\$4.50	\$0
June	4	224	100%	16,980	74	\$0.082	\$1,395	0	0.00	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		73,500	18	\$0.078	\$5,728	399	0.10	\$7.81	0	\$4.50	\$0
TOTAL/YEAR	6010	924		152,980	22	\$0.077	\$11,726	630	0.09	\$7.81	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 522,121  
 Steam = M (lbs) X 1,000,000 630,053  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 1,152,173,657  
 Gross Area (ft) 2 12,574  
 Divided by 100,000 = 0.9163 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.32  
 WATER COST TOTAL/YEAR \$5,570  
 WATER / SQ. FT. / YEAR \$0.44  
 UTILITY COST/YEAR \$22,218

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	0	232	100%	16,577	71	\$0.075	\$1,236	11	0.05	\$49.06	\$559	0	\$4.50	\$0
August	14	135	100%	52,882	355	\$0.075	\$3,986	69	0.46	\$12.65	\$869	0	\$4.50	\$0
September	48	177	100%	65,020	289	\$0.079	\$5,105	84	0.37	\$10.77	\$905	0	\$4.50	\$0
October	260	29	100%	59,420	206	\$0.078	\$4,616	123	0.43	\$8.92	\$1,098	0	\$4.50	\$0
November	695	0	100%	51,500	74	\$0.073	\$3,758	327	0.47	\$6.73	\$2,201	0	\$4.50	\$0
December	1187	0	100%	39,893	34	\$0.073	\$2,897	506	0.43	\$6.08	\$3,074	0	\$4.50	\$0
1st half yr	2204	573		285,292	103	\$0.076	\$21,597	1,120	0.40	\$7.77	\$8,707	0	\$4.50	\$0
January	1236	0	100%	49,383	40	\$0.073	\$3,593	443	0.36	\$6.24	\$2,761	0	\$4.50	\$0
February	933	0	100%	43,791	47	\$0.074	\$3,257	327	0.35	\$6.60	\$2,159	0	\$4.50	\$0
March	919	0	100%	51,512	56	\$0.074	\$3,797	293	0.32	\$6.28	\$1,842	0	\$4.50	\$0
April	650	0	100%	47,446	73	\$0.081	\$3,851	145	0.22	\$8.12	\$1,175	0	\$4.50	\$0
May	64	127	100%	23,883	125	\$0.082	\$1,962	15	0.08	\$36.31	\$552	0	\$4.50	\$0
June	4	224	100%	23,163	102	\$0.082	\$1,903	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		239,177	58	\$0.077	\$18,362	1,223	0.29	\$6.94	\$8,489	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>524,470</b>	<b>76</b>	<b>\$0.076</b>	<b>\$39,960</b>	<b>2,343</b>	<b>0.34</b>	<b>\$7.34</b>	<b>\$17,196</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1990

Gross Area (ft)2	124,533	BTUs x 1,000	1,790,015
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 BTUs x 1,000	2,030,162

Energy Consumption to BTU Conversions  
 Electricity = KWH X 3413  
 Natural Gas = MCF X 102,500  
 Fuel Oil = Gallons X 138,690  
 Other Fuel

Energy Utilization Index =  
 Total BTU Consumption/Yr 2,030,162,189  
 Gross Area (ft) 2 124,533

Divided by 100,000 = 0.1630 THERMS

ENERGY COST / SQ. FT. / YEAR	\$0.46
WATER COST TOTAL/YEAR	\$43,092
WATER / SQ. FT. / YEAR	\$0.35
UTILITY COST/YEAR	\$100,247

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	0	232	100%	59,126	255	\$0.075	\$4,407	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	64,953	436	\$0.075	\$4,896	8	0.05	\$7.81	0	\$4.50	\$0
September	48	177	100%	69,536	309	\$0.079	\$5,459	27	0.12	\$7.81	0	\$4.50	\$0
October	260	29	100%	73,929	256	\$0.078	\$5,744	146	0.50	\$7.81	0	\$4.50	\$0
November	695	0	100%	75,031	108	\$0.073	\$5,475	389	0.56	\$7.81	0	\$4.50	\$0
December	1187	0	100%	74,555	63	\$0.073	\$5,415	665	0.56	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		417,129	150	\$0.075	\$31,395	1,235	0.44	\$7.81	0	\$4.50	\$0
January	1236	0	100%	78,115	63	\$0.073	\$5,683	692	0.56	\$7.81	0	\$4.50	\$0
February	933	0	100%	68,539	73	\$0.074	\$5,098	523	0.56	\$7.81	0	\$4.50	\$0
March	919	0	100%	82,571	90	\$0.074	\$6,086	515	0.56	\$7.81	0	\$4.50	\$0
April	650	0	100%	69,497	107	\$0.081	\$5,641	364	0.56	\$7.81	0	\$4.50	\$0
May	64	127	100%	79,890	418	\$0.082	\$6,563	36	0.19	\$7.81	0	\$4.50	\$0
June	4	224	100%	88,025	386	\$0.082	\$7,231	2	0.01	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		466,637	112	\$0.078	\$36,302	2,132	0.51	\$7.81	0	\$4.50	\$0
TOTAL/YEAR	6010	924		883,766	127	\$0.077	\$67,696	3,367	0.49	\$7.81	0	\$4.50	\$0

Building Data: 1987 Energy Consumption to BTU Conversions

BTUs x 1,000

3,016,294

Electricity = KWH X 3413

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

3,366,930

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTUs x 1,000

6,383,223

ENERGY COST / SQ. FT. / YEAR \$1.40  
 WATER COST TOTAL/YEAR \$3,223  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$97,221

Energy Utilization Index =

Total BTU Consumption/Yr 6,383,223,339

Gross Area (ft) 2 67,194

Divided by 100,000 =

0.9500

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	0	232	100%	82,221	354	\$0.075	\$6,128	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	87,395	587	\$0.075	\$6,587	18	0.12	\$7.81	0	\$4.50	\$0
September	48	177	100%	91,723	408	\$0.079	\$7,201	62	0.28	\$7.81	0	\$4.50	\$0
October	260	29	100%	97,333	337	\$0.078	\$7,562	338	1.17	\$7.81	0	\$4.50	\$0
November	695	0	100%	100,838	145	\$0.073	\$7,358	904	1.30	\$7.81	0	\$4.50	\$0
December	1187	0	100%	82,393	69	\$0.073	\$5,984	1,545	1.30	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		541,902	195	\$0.075	\$40,820	2,868	1.03	\$7.81	0	\$4.50	\$0
January	1236	0	100%	89,320	72	\$0.073	\$6,498	1,608	1.30	\$7.81	0	\$4.50	\$0
February	933	0	100%	79,334	85	\$0.074	\$5,901	1,214	1.30	\$7.81	0	\$4.50	\$0
March	919	0	100%	94,849	103	\$0.074	\$6,991	1,196	1.30	\$7.81	0	\$4.50	\$0
April	650	0	100%	90,995	140	\$0.081	\$7,386	846	1.30	\$7.81	0	\$4.50	\$0
May	64	127	100%	102,712	538	\$0.082	\$8,438	83	0.44	\$7.81	0	\$4.50	\$0
June	4	224	100%	118,435	519	\$0.082	\$9,729	5	0.02	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		575,645	138	\$0.078	\$44,943	4,953	1.19	\$7.81	0	\$4.50	\$0
TOTAL/YEAR	6010	924		1,117,547	161	\$0.077	\$85,763	7,820	1.13	\$7.81	0	\$4.50	\$0

Building Data: 1931  
 Energy Consumption to BTU Conversions  
 BTUs x 1,000  
 3,814,186

Gross Area (ft)2 156,074  
 Electricity = KWH X 3413

Gross Volume (ft)3 1,248,592  
 Steam = M (lbs) X 1,000,000  
 7,820,493

General Notes:  
 Fuel Oil = Gallons X 138,690  
 0  
 Other Fuel  
 0

TOTAL BTUs x 1,000  
 11,634,679

Total BTU Consumption/Yr 11,634,679,396  
 Divided by 100,000 = 0.7455 THERMS  
 Gross Area (ft) 2 156,074

ENERGY COST / SQ. FT. / YEAR \$0.94  
 WATER COST TOTAL/YEAR \$67,474  
 WATER / SQ. FT. / YEAR \$0.43  
 UTILITY COST/YEAR \$214,327

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	0	232	100%	154,610	666	\$0.075	\$11,524	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	163,680	1,099	\$0.075	\$12,337	15	0.10	\$7.81	0	\$4.50	\$0
September	48	177	100%	151,960	675	\$0.079	\$11,930	53	0.24	\$7.81	0	\$4.50	\$0
October	260	29	100%	129,620	449	\$0.078	\$10,070	286	0.99	\$7.81	0	\$4.50	\$0
November	695	0	100%	92,850	134	\$0.073	\$6,775	766	1.10	\$7.81	0	\$4.50	\$0
December	1187	0	100%	117,650	99	\$0.073	\$8,545	1,308	1.10	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		810,370	292	\$0.075	\$61,181	2,428	0.87	\$7.81	0	\$4.50	\$0
January	1236	0	100%	112,930	91	\$0.073	\$8,216	1,362	1.10	\$7.81	0	\$4.50	\$0
February	933	0	100%	80,010	86	\$0.074	\$5,952	1,028	1.10	\$7.81	0	\$4.50	\$0
March	919	0	100%	112,920	123	\$0.074	\$8,323	1,013	1.10	\$7.81	0	\$4.50	\$0
April	650	0	100%	122,690	189	\$0.081	\$9,958	716	1.10	\$7.81	0	\$4.50	\$0
May	64	127	100%	94,860	497	\$0.082	\$7,793	71	0.37	\$7.81	0	\$4.50	\$0
June	4	224	100%	169,660	744	\$0.082	\$13,937	4	0.02	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		693,070	167	\$0.078	\$54,178	4,194	1.01	\$7.81	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,503,440</b>	<b>217</b>	<b>\$0.077</b>	<b>\$115,359</b>	<b>6,622</b>	<b>0.96</b>	<b>\$7.81</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1993 Energy Consumption to BTU Conversions

Gross Area (ft)2 132,159 BTU's x 1,000 5,131,241

Gross Volume (ft)3 1,057,272 Electricity = KWH X 3413

General Notes: Steam = M (lbs) X 1,000,000 6,622,170

Fuel Oil = Gallons X 138,690 0

Other Fuel 0

TOTAL BTU's x 1,000 11,753,411

Total BTU Consumption/Yr 11,753,410,556

Gross Area (ft) 2 132,159

Divided by 100,000 = 0.8893

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.26  
 WATER COST TOTAL/YEAR \$25,290  
 WATER / SQ. FT. / YEAR \$0.19  
 UTILITY COST/YEAR \$192.378

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	0	232	100%	30,181	130	\$0.075	\$2,250	2	0.01	\$20.74	\$35	0	\$4.50	\$0
August	14	135	100%	27,907	187	\$0.075	\$2,103	1	0.01	\$27.29	\$33	0	\$4.50	\$0
September	48	177	100%	22,915	102	\$0.079	\$1,799	1	0.00	\$49.73	\$30	0	\$4.50	\$0
October	260	29	100%	25,004	87	\$0.078	\$1,943	1	0.00	\$24.28	\$34	0	\$4.50	\$0
November	695	0	100%	39,395	57	\$0.073	\$2,874	25	0.04	\$6.30	\$155	0	\$4.50	\$0
December	1187	0	100%	34,249	29	\$0.073	\$2,487	26	0.02	\$6.13	\$159	0	\$4.50	\$0
1st half yr	2204	573		179,651	65	\$0.075	\$13,456	56	0.02	\$8.04	\$446	0	\$4.50	\$0
January	1236	0	100%	46,360	38	\$0.073	\$3,373	14	0.01	\$7.07	\$96	0	\$4.50	\$0
February	933	0	100%	68,717	74	\$0.074	\$5,111	15	0.02	\$6.87	\$104	0	\$4.50	\$0
March	919	0	100%	46,515	51	\$0.074	\$3,428	31	0.03	\$0.00	\$186	0	\$4.50	\$0
April	650	0	100%	32,798	50	\$0.081	\$2,662	3	0.00	\$25.69	\$67	0	\$4.50	\$0
May	64	127	100%	54,686	286	\$0.082	\$4,492	0	0.00	\$0.00	\$28	0	\$4.50	\$0
June	4	224	100%	48,485	213	\$0.082	\$3,983	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		297,561	72	\$0.077	\$23,050	63	0.02	\$7.70	\$481	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>477,211</b>	<b>69</b>	<b>\$0.076</b>	<b>\$36,506</b>	<b>118</b>	<b>0.02</b>	<b>\$7.86</b>	<b>\$927</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 2010 Energy Consumption to BTU Conversions

Gross Area (ft)2 39,961 Electricity = KWH X 3413 BTUs x 1,000 1,628,723

Gross Volume (ft)3 319,688 Natural Gas = MCF X 102,500 12,095 Energy Utilization Index =

General Notes: Fuel Oil = Gallons X 138,690 0 Total BTU Consumption/Yr 1,640,817,537  
 Other Fuel 0 Divided by 100,000 = 0.4106 THERMS  
 TOTAL BTUs x 1,000 1,640,818  
 Gross Area (ft) 2 39,961

ENERGY COST / SQ. FT. / YEAR \$0.94  
 WATER COST TOTAL/YEAR \$8,099  
 WATER / SQ. FT. / YEAR \$0.20  
 UTILITY COST/YEAR \$45,533

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	0	232	100%	309,938	1,336	\$0.075	\$23,102	0	0.00	\$7.81	\$0	0	\$4.50	\$0
August	14	135	100%	336,177	2,256	\$0.075	\$25,338	30	0.20	\$7.81	\$231	0	\$4.50	\$0
September	48	177	100%	318,950	1,418	\$0.079	\$25,040	101	0.45	\$7.81	\$791	0	\$4.50	\$0
October	260	29	100%	291,857	1,010	\$0.078	\$22,675	548	1.90	\$7.81	\$4,282	0	\$4.50	\$0
November	695	0	100%	233,618	336	\$0.073	\$17,046	1,465	2.11	\$7.81	\$11,447	0	\$4.50	\$0
December	1187	0	100%	245,272	207	\$0.073	\$17,813	2,503	2.11	\$7.81	\$19,550	0	\$4.50	\$0
1st half yr	2204	573		1,735,813	625	\$0.075	\$131,014	4,647	1.67	\$7.81	\$36,301	0	\$4.50	\$0
January	1236	0	100%	236,916	192	\$0.073	\$17,236	2,606	2.11	\$7.81	\$20,357	0	\$4.50	\$0
February	933	0	100%	186,863	200	\$0.074	\$13,900	1,967	2.11	\$7.81	\$15,367	0	\$4.50	\$0
March	919	0	100%	250,893	273	\$0.074	\$18,492	1,938	2.11	\$7.81	\$15,136	0	\$4.50	\$0
April	650	0	100%	232,679	358	\$0.081	\$18,885	1,371	2.11	\$7.81	\$10,706	0	\$4.50	\$0
May	64	127	100%	345,546	1,809	\$0.082	\$28,386	135	0.71	\$7.81	\$1,054	0	\$4.50	\$0
June	4	224	100%	430,102	1,886	\$0.082	\$35,332	8	0.04	\$7.81	\$66	0	\$4.50	\$0
2nd half yr	3806	351		1,682,999	405	\$0.079	\$132,231	8,025	1.93	\$7.81	\$62,687	0	\$4.50	\$0
TOTAL/YEAR	6010	924		3,418,812	493	\$0.077	\$263,245	12,672	1.83	\$7.81	\$98,987	0	\$4.50	\$0

Building Data: 1954 Energy Consumption to BTU Conversions

Gross Area (ft)2 252,894 BTU's x 1,000 11,668,404

Gross Volume (ft)3 2,023,152 Electricity = KWH X 3413

Energy Utilization Index =

Total BTU Consumption/Yr 24,340,314,440  
 Gross Area (ft) 2 252,894

Divided by 100,000 = 0.9625 THERMS

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000 24,340,314

ENERGY COST / SQ. FT. / YEAR \$1.43  
 WATER COST TOTAL/YEAR \$156,299  
 WATER / SQ. FT. / YEAR \$0.62  
 UTILITY COST/YEAR \$518,531

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	0	232	100%	170,040	733	\$0.075	\$12,674	0	0.00	\$7.81	\$0	231	\$6.36	\$1,469	\$14,143
August	14	135	100%	194,148	1,303	\$0.075	\$14,633	32	0.21	\$7.81	\$247	353	\$6.16	\$2,175	\$17,055
September	48	177	100%	245,746	1,092	\$0.079	\$19,293	109	0.48	\$7.81	\$848	382	\$6.30	\$2,406	\$22,547
October	260	29	100%	259,541	898	\$0.078	\$20,164	588	2.03	\$7.81	\$4,594	421	\$6.27	\$2,643	\$27,401
November	695	0	100%	229,928	331	\$0.073	\$16,777	1,572	2.26	\$7.81	\$12,280	495	\$6.31	\$3,121	\$32,178
December	1187	0	100%	268,379	226	\$0.073	\$19,492	2,685	2.26	\$7.81	\$20,973	367	\$6.23	\$2,288	\$42,752
1st half yr	2204	573		1,367,782	493	\$0.075	\$103,032	4,985	1.80	\$7.81	\$38,942	2,249	\$6.27	\$14,102	\$156,076
January	1236	0	100%	221,421	179	\$0.073	\$16,109	2,796	2.26	\$7.81	\$21,839	86	\$60.31	\$5,182	\$43,129
February	933	0	100%	199,347	214	\$0.074	\$14,828	2,110	2.26	\$7.81	\$16,485	612	\$6.09	\$3,725	\$35,039
March	919	0	100%	255,674	278	\$0.074	\$18,845	2,079	2.26	\$7.81	\$16,238	0	\$0.00	\$0	\$35,082
April	650	0	100%	223,450	344	\$0.081	\$18,136	1,470	2.26	\$7.81	\$11,485	1,354	\$5.58	\$7,563	\$37,184
May	64	127	100%	190,404	997	\$0.082	\$15,641	145	0.76	\$7.81	\$1,131	74	\$7.63	\$564	\$17,337
June	4	224	100%	206,854	907	\$0.082	\$16,993	9	0.04	\$7.81	\$71	0	\$0.00	\$0	\$17,063
2nd half yr	3806	351		1,297,149	312	\$0.078	\$100,552	8,609	2.07	\$7.81	\$67,247	2,126	\$8.01	\$17,035	\$184,835
TOTAL/YEAR	6010	924		2,664,932	384	\$0.076	\$203,584	13,594	1.96	\$7.81	\$106,189	4,374	\$7.12	\$31,137	\$340,911

Building Data: 2005

Gross Area (ft)2	271,293	BTUs x 1,000	9,095,412
Gross Volume (ft)3	2,170,344	Electricity = KWH X 3413	
General Notes:		Steam = M (lbs) X 1,000,000	13,593,840
		Natural Gas = MCF X 102,500	448,369
		Other Fuel	0
		TOTAL BTUs x 1,000	23,137,621

Energy Consumption to BTU Conversions

Energy Utilization Index =  
 Total BTU Consumption/Yr 23,137,621,111  
 Gross Area (ft) 2 271,293

Divided by 100,000 = 0.8529 THERMS

CHILLED WATER COST/YEAR	\$71,100
ENERGY COST / SQ. FT. / YEAR	\$1.52
WATER COST TOTAL/YEAR	\$84,553
WATER / SQ. FT. / YEAR	\$0.31
UTILITY COST/YEAR	\$496,564

BUILDING: Palmer Hall  
 FY YEAR: 2018

DATE : 08/08/18

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	0	232	100%	92,820	400	\$0.075	\$6,918	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	100,501	675	\$0.075	\$7,575	8	0.05	\$7.81	0	\$4.50	\$0
September	48	177	100%	97,013	431	\$0.079	\$7,616	27	0.12	\$7.81	0	\$4.50	\$0
October	260	29	100%	105,708	366	\$0.078	\$8,213	145	0.50	\$7.81	0	\$4.50	\$0
November	695	0	100%	88,528	127	\$0.073	\$6,459	388	0.56	\$7.81	0	\$4.50	\$0
December	1187	0	100%	85,240	72	\$0.073	\$6,191	663	0.56	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		569,810	205	\$0.075	\$42,972	1,232	0.44	\$7.81	0	\$4.50	\$0
January	1236	0	100%	88,465	72	\$0.073	\$6,436	691	0.56	\$7.81	0	\$4.50	\$0
February	933	0	100%	77,005	83	\$0.074	\$5,728	521	0.56	\$7.81	0	\$4.50	\$0
March	919	0	100%	85,302	93	\$0.074	\$6,287	514	0.56	\$7.81	0	\$4.50	\$0
April	650	0	100%	75,811	117	\$0.081	\$6,153	363	0.56	\$7.81	0	\$4.50	\$0
May	64	127	100%	90,018	471	\$0.082	\$7,395	36	0.19	\$7.81	0	\$4.50	\$0
June	4	224	100%	125,512	550	\$0.082	\$10,311	2	0.01	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		542,112	130	\$0.078	\$42,310	2,127	0.51	\$7.81	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,111,923</b>	<b>160</b>	<b>\$0.077</b>	<b>\$85,282</b>	<b>3,359</b>	<b>0.48</b>	<b>\$7.81</b>	<b>0</b>	<b>\$4.50</b>	<b>\$14,623</b>

Building Data: 1971 Energy Consumption to BTU Conversions

Gross Area (ft)2 67,040 Electricity = KWH X 3413 BTUs x 1,000 3,794,992

Gross Volume (ft)3 536,320 Steam = M (lbs) X 1,000,000 3,359,213  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 7,154,205,005  
 Divided by 100,000 = 1.0672 THERMS  
 Gross Area (ft) 2 67,040

ENERGY COST / SQ. FT. / YEAR \$1.88  
 WATER COST TOTAL/YEAR \$12,829  
 WATER / SQ. FT. / YEAR \$0.19  
 UTILITY COST/YEAR \$138,974

TOTAL BTUs x 1,000 7,154,205

Energy Utilization Index =

BUILDING: Parks Tower  
 FY YEAR: 2018

DATE : 08/08/18

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)	1000 cubic feet (Mcf)	Cost per McF
July	0	232	100%	120,355	519	\$0.075	\$8,971	0	0.00	\$7.81	41	\$4.03	\$9,136
August	14	135	100%	161,019	1,081	\$0.075	\$12,136	19	0.13	\$7.81	57	\$5.27	\$12,588
September	48	177	100%	184,626	821	\$0.079	\$14,494	67	0.30	\$7.81	151	\$4.10	\$15,633
October	260	29	100%	207,551	718	\$0.078	\$16,125	360	1.25	\$7.81	3	\$3.99	\$18,951
November	695	0	100%	202,412	291	\$0.073	\$14,769	963	1.39	\$7.81	8	\$3.71	\$22,322
December	1187	0	100%	192,741	162	\$0.073	\$13,998	1,645	1.39	\$7.81	9	\$3.70	\$26,881
1st half yr	2204	573		1,068,705	385	\$0.075	\$80,494	3,054	1.10	\$7.81	269	\$4.31	\$105,512
January	1236	0	100%	211,250	171	\$0.073	\$15,369	1,713	1.39	\$7.81	1	\$3.75	\$28,752
February	933	0	100%	180,700	194	\$0.074	\$13,441	1,293	1.39	\$7.81	10	\$3.82	\$23,579
March	919	0	100%	213,368	232	\$0.074	\$15,726	1,274	1.39	\$7.81	4	\$4.21	\$25,692
April	650	0	100%	180,058	277	\$0.081	\$14,614	901	1.39	\$7.81	6	\$4.15	\$21,676
May	64	127	100%	177,503	929	\$0.082	\$14,582	89	0.46	\$7.81	6	\$2.92	\$15,292
June	4	224	100%	172,175	755	\$0.082	\$14,144	6	0.02	\$7.81	0	\$0.00	\$14,187
2nd half yr	3806	351		1,135,054	273	\$0.077	\$87,876	5,274	1.27	\$7.81	27	\$3.75	\$129,178
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>2,203,759</b>	<b>318</b>	<b>\$0.076</b>	<b>\$168,370</b>	<b>8,329</b>	<b>1.20</b>	<b>\$7.81</b>	<b>296</b>	<b>\$4.26</b>	<b>\$234,689</b>

Building Data: 1971 Energy Consumption to BTU Conversions

BTU's x 1,000

7,521,429

Energy Utilization Index =

Electricity = KWH X 3413

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

Total BTU Consumption/Yr 15,880,303,213

Gross Area (ft)2 166,213

Natural Gas = MCF X 102,500

Divided by 100,000 = 0.9554

Other Fuel

THERMS

TOTAL BTU's x 1,000 15,880,303

CHILLED WATER COST/YEAR \$43,600  
 ENERGY COST / SQ. FT. / YEAR \$1.67  
 WATER COST TOTAL/YEAR \$87,050  
 WATER / SQ. FT. / YEAR \$0.52  
 UTILITY COST/YEAR \$365,339

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	0	232	100%	2,080	9	\$0.121	\$252	0	0.00	\$72.98	\$29	0	\$4.50	\$0
August	14	135	100%	2,080	14	\$0.121	\$252	1	0.00	\$58.52	\$29	0	\$4.50	\$0
September	48	177	100%	1,480	7	\$0.121	\$179	1	0.00	\$29.49	\$32	0	\$4.50	\$0
October	260	29	100%	870	3	\$0.121	\$105	8	0.03	\$8.52	\$67	0	\$4.50	\$0
November	695	0	100%	870	1	\$0.121	\$105	24	0.03	\$6.34	\$152	0	\$4.50	\$0
December	1187	0	100%	1,370	1	\$0.121	\$166	36	0.03	\$5.84	\$212	0	\$4.50	\$0
1st half yr	2204	573		8,750	3	\$0.121	\$1,059	70	0.03	\$7.44	\$522	0	\$4.50	\$0
January	1236	0	100%	2,350	2	\$0.121	\$284	28	0.02	\$6.04	\$172	0	\$4.50	\$0
February	933	0	100%	2,350	3	\$0.121	\$284	19	0.02	\$6.49	\$125	0	\$4.50	\$0
March	919	0	100%	2,160	2	\$0.121	\$261	15	0.02	\$6.35	\$97	0	\$4.50	\$0
April	650	0	100%	1,790	3	\$0.121	\$217	6	0.01	\$8.98	\$57	0	\$4.50	\$0
May	64	127	100%	1,790	9	\$0.121	\$217	1	0.01	\$30.60	\$34	0	\$4.50	\$0
June	4	224	100%	1,110	5	\$0.121	\$134	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		11,550	3	\$0.121	\$1,398	70	0.02	\$6.88	\$485	0	\$4.50	\$0
TOTAL/YEAR	6010	924		20,300	3	\$0.121	\$2,456	141	0.02	\$3.72	\$522	0	\$4.50	\$0

Building Data: 1936 Energy Consumption to BTU Conversions

Gross Area (ft)2 4,316 BTUs x 1,000 69,284

Electricity = KWH X 3413

Gross Volume (ft)3 34,528 Natural Gas = MCF X 102,500 14,412

Fuel Oil = Gallons X 138,690 0

Other Fuel 0

TOTAL BTUs x 1,000 83,695

Energy Utilization Index =

Total BTU Consumption/Yr 83,695,400  
 Gross Area (ft) 2 4,316

Divided by 100,000 = 0.1939 THERMS

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	0	232	100%	21,829	94	\$0.075	\$1,627	6	0.02	\$57.07	\$321	0	\$4.50	\$0
August	14	135	100%	23,587	158	\$0.075	\$1,778	6	0.04	\$58.20	\$328	0	\$4.50	\$0
September	48	177	100%	20,558	91	\$0.079	\$1,614	6	0.03	\$51.69	\$327	0	\$4.50	\$0
October	260	29	100%	19,091	66	\$0.078	\$1,483	12	0.04	\$29.33	\$351	0	\$4.50	\$0
November	695	0	100%	21,359	31	\$0.073	\$1,558	118	0.17	\$6.38	\$753	0	\$4.50	\$0
December	1187	0	100%	30,937	26	\$0.073	\$2,247	390	0.33	\$4.48	\$1,748	0	\$4.50	\$0
1st half yr	2204	573		137,361	49	\$0.075	\$10,307	537	0.19	\$7.12	\$3,828	0	\$4.50	\$0
January	1236	0	100%	32,369	26	\$0.073	\$2,355	636	0.51	\$4.22	\$2,686	0	\$4.50	\$0
February	933	0	100%	25,937	28	\$0.074	\$1,929	442	0.47	\$4.56	\$2,016	0	\$4.50	\$0
March	919	0	100%	30,718	33	\$0.074	\$2,264	362	0.39	\$5.17	\$1,873	0	\$4.50	\$0
April	650	0	100%	18,494	28	\$0.081	\$1,501	267	0.41	\$5.33	\$1,425	0	\$4.50	\$0
May	64	127	100%	23,445	123	\$0.082	\$1,926	94	0.49	\$6.47	\$605	0	\$4.50	\$0
June	4	224	100%	27,227	119	\$0.082	\$2,237	6	0.02	\$61.10	\$344	0	\$4.50	\$0
2nd half yr	3806	351		158,190	38	\$0.077	\$12,212	1,807	0.43	\$4.95	\$8,949	0	\$4.50	\$0
TOTAL/YEAR	6010	924		295,551	43	\$0.076	\$22,519	2,345	0.34	\$5.45	\$12,777	0	\$4.50	\$0

Building Data: 1995 Energy Consumption to BTU Conversions

Gross Area (ft)2 30,861 Electricity = KWH X 3413 BTU's x 1,000 1,008,716

Gross Volume (ft)3 246,888 Natural Gas = MCF X 102,500 240,326 Total BTU Consumption/Yr 1,249,042,178

General Notes: Fuel Oil = Gallons X 138,690 0 Divided by 100,000 = 0.4047 THERMS  
 Other Fuel 0  
 TOTAL BTU's x 1,000 1,249,042

ENERGY COST / SQ. FT. / YEAR \$1.14  
 WATER COST TOTAL/YEAR \$2,261  
 WATER / SQ. FT. / YEAR \$0.07  
 UTILITY COST/YEAR \$37,557

BUILDING: Presidents Hall (The Crossings)  
 FY YEAR: 2018

DATE : 08/08/18

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		100 cubic feet (Mcf)	Cost per McF
July	0	232	100%	114,663	494	\$0.075	\$8,547	0	0.00	\$7.81	\$0	0	\$0.00	\$8,547
August	14	135	100%	180,445	1,211	\$0.075	\$13,600	27	0.18	\$7.81	\$209	1	\$5.26	\$13,815
September	48	177	100%	230,911	1,026	\$0.079	\$18,128	92	0.41	\$7.81	\$716	13	\$4.10	\$18,897
October	260	29	100%	218,116	755	\$0.078	\$16,946	496	1.72	\$7.81	\$3,878	13	\$3.99	\$20,875
November	695	0	100%	199,785	287	\$0.073	\$14,577	1,327	1.91	\$7.81	\$10,365	17	\$3.71	\$25,005
December	1187	0	100%	199,463	168	\$0.073	\$14,486	2,266	1.91	\$7.81	\$17,702	11	\$3.70	\$32,229
1st half yr	2204	573		1,143,384	412	\$0.075	\$86,285	4,208	1.52	\$7.81	\$32,870	55	\$3.89	\$119,368
January	1236	0	100%	232,400	188	\$0.073	\$16,907	2,360	1.91	\$7.81	\$18,433	1	\$3.75	\$35,344
February	933	0	100%	159,478	171	\$0.074	\$11,863	1,781	1.91	\$7.81	\$13,914	17	\$3.82	\$25,842
March	919	0	100%	230,803	251	\$0.074	\$17,011	1,755	1.91	\$7.81	\$13,706	9	\$4.21	\$30,755
April	650	0	100%	205,917	317	\$0.081	\$16,713	1,241	1.91	\$7.81	\$9,694	13	\$4.15	\$26,461
May	64	127	100%	166,349	871	\$0.082	\$13,665	122	0.64	\$7.81	\$954	8	\$2.92	\$14,643
June	4	224	100%	281,120	1,233	\$0.082	\$23,094	8	0.03	\$7.81	\$60	0	\$0.00	\$23,153
2nd half yr	3806	351		1,276,067	307	\$0.078	\$99,254	7,266	1.75	\$7.81	\$56,761	48	\$3.83	\$156,199
TOTAL/YEAR	6010	924		2,419,451	349	\$0.077	\$185,538	11,474	1.65	\$7.81	\$89,631	103	\$3.86	\$275,567

Building Data: 2002 Energy Consumption to BTU Conversions

BTU's x 1,000

8,257,585

Electricity = KWH X 3413

11,474,139

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

10,558

Natural Gas = MCF X 102,500

0

Other Fuel

TOTAL BTU's x 1,000

19,742,281

CHILLED WATER COST/YEAR \$60,000  
 ENERGY COST / SQ. FT. / YEAR \$1.47  
 WATER COST TOTAL/YEAR \$71,939  
 WATER / SQ. FT. / YEAR \$0.31  
 UTILITY COST/YEAR \$407,506

Energy Utilization Index =

Total BTU Consumption/Yr 19,742,281,052  
 Gross Area (ft) 2 228,990

Divided by 100,000 = 0.8621 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	0	232	100%	126,531	545	\$0.075	\$9,431	144	0.62	\$4.03	\$580	0	\$4.50	\$0
August	14	135	100%	136,760	918	\$0.075	\$10,308	129	0.87	\$5.27	\$680	0	\$4.50	\$0
September	48	177	100%	103,446	460	\$0.079	\$8,121	164	0.73	\$4.10	\$672	0	\$4.50	\$0
October	260	29	100%	108,588	376	\$0.078	\$8,436	148	0.51	\$3.99	\$591	0	\$4.50	\$0
November	695	0	100%	106,258	153	\$0.073	\$7,753	203	0.29	\$3.71	\$752	0	\$4.50	\$0
December	1187	0	100%	118,598	100	\$0.073	\$8,613	405	0.34	\$3.70	\$1,497	0	\$4.50	\$0
1st half yr	2204	573		700,182	252	\$0.075	\$52,663	1,193	0.43	\$4.00	\$4,772	0	\$4.50	\$0
January	1236	0	100%	85,697	69	\$0.073	\$6,235	476	0.39	\$3.75	\$1,785	0	\$4.50	\$0
February	933	0	100%	108,528	116	\$0.074	\$8,073	409	0.44	\$3.82	\$1,561	0	\$4.50	\$0
March	919	0	100%	106,225	116	\$0.074	\$7,829	263	0.29	\$4.21	\$1,108	0	\$4.50	\$0
April	650	0	100%	105,637	163	\$0.081	\$8,574	301	0.46	\$4.15	\$1,250	0	\$4.50	\$0
May	64	127	100%	157,155	823	\$0.082	\$12,910	194	1.02	\$2.92	\$566	0	\$4.50	\$0
June	4	224	100%	146,629	643	\$0.082	\$12,045	175	0.77	\$4.21	\$736	0	\$4.50	\$0
2nd half yr	3806	351		709,871	171	\$0.078	\$55,666	1,818	0.44	\$3.85	\$7,007	0	\$4.50	\$0
TOTAL/YEAR	6010	924		1,410,053	203	\$0.077	\$108,329	1,193	0.17	\$4.00	\$4,772	0	\$4.50	\$0

Building Data: 1992 Energy Consumption to BTU Conversions

Gross Area (ft)2 55,209 Electricity = KWH X 3413 BTU's x 1,000 4,812,512

Gross Volume (ft)3 441,672 Natural Gas = MCF X 102,500 122,283 Energy Utilization Index =

General Notes: Fuel Oil = Gallons X 138,690 0 Total BTU Consumption/Yr 4,934,794,248  
 Other Fuel 0 Divided by 100,000 = 0.8938 THERMS  
 TOTAL BTU's x 1,000 4,934,794

ENERGY COST / SQ. FT. / YEAR \$2.05  
 WATER COST TOTAL/YEAR \$5,068  
 WATER / SQ. FT. / YEAR \$0.09  
 UTILITY COST/YEAR \$118,170

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	0	232	100%	10,245	44	\$0.075	\$764	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	11,776	79	\$0.075	\$888	2	0.01	\$7.81	0	\$4.50	\$0
September	48	177	100%	12,727	57	\$0.079	\$999	6	0.03	\$7.81	0	\$4.50	\$0
October	260	29	100%	12,075	42	\$0.078	\$938	33	0.11	\$7.81	0	\$4.50	\$0
November	695	0	100%	11,818	17	\$0.073	\$862	89	0.13	\$7.81	0	\$4.50	\$0
December	1187	0	100%	12,491	11	\$0.073	\$907	152	0.13	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		71,132	26	\$0.075	\$5,358	281	0.10	\$7.81	0	\$4.50	\$0
January	1236	0	100%	12,753	10	\$0.073	\$928	158	0.13	\$7.81	0	\$4.50	\$0
February	933	0	100%	10,634	11	\$0.074	\$791	119	0.13	\$7.81	0	\$4.50	\$0
March	919	0	100%	13,588	15	\$0.074	\$1,002	117	0.13	\$7.81	0	\$4.50	\$0
April	650	0	100%	10,814	17	\$0.081	\$878	83	0.13	\$7.81	0	\$4.50	\$0
May	64	127	100%	13,188	69	\$0.082	\$1,083	8	0.04	\$7.81	0	\$4.50	\$0
June	4	224	100%	13,301	58	\$0.082	\$1,093	1	0.00	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		74,279	18	\$0.078	\$5,774	486	0.12	\$7.81	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>145,410</b>	<b>21</b>	<b>\$0.077</b>	<b>\$11,132</b>	<b>767</b>	<b>0.11</b>	<b>\$7.81</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1965 Energy Consumption to BTU Conversions

Gross Area (ft)2 15,317 Electricity = KWH X 3413 BTUs x 1,000 496,286

Gross Volume (ft)3 122,536 Steam = M (lbs) X 1,000,000 767,498  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 1,263,784,003  
 Divided by 100,000 = 0.8251 THERMS  
 Gross Area (ft) 2 15,317

ENERGY COST / SQ. FT. / YEAR \$1.12  
 WATER COST TOTAL/YEAR \$735  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$17,862

BUILDING: Rocket Hall  
 FY YEAR: 2018

DATE : 08/08/18

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	0	232	100%	62,020	267	\$0.075	\$4,623	78	0.34	\$7.84	\$612	0	\$4.50	\$0
August	14	135	100%	75,450	506	\$0.075	\$5,687	72	0.48	\$9.38	\$675	0	\$4.50	\$0
September	48	177	100%	82,480	367	\$0.079	\$6,475	84	0.37	\$7.75	\$651	0	\$4.50	\$0
October	260	29	100%	80,920	280	\$0.078	\$6,287	87	0.30	\$7.47	\$650	0	\$4.50	\$0
November	695	0	100%	66,860	96	\$0.073	\$4,878	131	0.19	\$6.04	\$792	0	\$4.50	\$0
December	1187	0	100%	71,680	60	\$0.073	\$5,206	248	0.21	\$4.93	\$1,223	0	\$4.50	\$0
1st half yr	2204	573		439,410	158	\$0.075	\$33,156	700	0.25	\$6.57	\$4,602	0	\$4.50	\$0
January	1236	0	100%	90,560	73	\$0.073	\$6,588	536	0.43	\$4.30	\$2,307	0	\$4.50	\$0
February	933	0	100%	52,210	56	\$0.074	\$3,884	632	0.68	\$4.32	\$2,728	0	\$4.50	\$0
March	919	0	100%	77,420	84	\$0.074	\$5,706	324	0.35	\$5.25	\$1,701	0	\$4.50	\$0
April	650	0	100%	67,760	104	\$0.081	\$5,500	274	0.42	\$5.26	\$1,442	0	\$4.50	\$0
May	64	127	100%	57,250	300	\$0.082	\$4,703	134	0.70	\$5.32	\$712	0	\$4.50	\$0
June	4	224	100%	73,740	323	\$0.082	\$6,058	97	0.43	\$7.40	\$718	0	\$4.50	\$0
2nd half yr	3806	351		418,940	101	\$0.077	\$32,439	1,997	0.48	\$4.81	\$9,609	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>858,350</b>	<b>124</b>	<b>\$0.076</b>	<b>\$65,594</b>	<b>2,697</b>	<b>0.39</b>	<b>\$5.27</b>	<b>\$14,210</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

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

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000

BTU's x 1,000

2,929,549

276,443

0

0

3,205,991

Energy Utilization Index =

Total BTU Consumption/Yr 3,205,991,050

Gross Area (ft) 2 109,552

Divided by 100,000 = 0.2926

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.73  
 WATER COST TOTAL/YEAR \$16,051  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$95,856

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	0	232	100%	255,131	1,100	\$0.075	\$19,017	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	199,840	1,341	\$0.075	\$15,062	23	0.16	\$7.81	0	\$4.50	\$0
September	48	177	100%	183,560	816	\$0.079	\$14,411	80	0.35	\$7.81	0	\$4.50	\$0
October	260	29	100%	179,664	622	\$0.078	\$13,958	432	1.50	\$7.81	0	\$4.50	\$0
November	695	0	100%	182,159	262	\$0.073	\$13,291	1,155	1.66	\$7.81	0	\$4.50	\$0
December	1187	0	100%	207,522	175	\$0.073	\$15,072	1,973	1.66	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		1,207,876	435	\$0.075	\$90,811	3,664	1.32	\$7.81	0	\$4.50	\$0
January	1236	0	100%	200,635	162	\$0.073	\$14,596	2,055	1.66	\$7.81	0	\$4.50	\$0
February	933	0	100%	233,431	250	\$0.074	\$17,364	1,551	1.66	\$7.81	0	\$4.50	\$0
March	919	0	100%	220,356	240	\$0.074	\$16,241	1,528	1.66	\$7.81	0	\$4.50	\$0
April	650	0	100%	198,557	305	\$0.081	\$16,116	1,080	1.66	\$7.81	0	\$4.50	\$0
May	64	127	100%	168,041	880	\$0.082	\$13,804	106	0.56	\$7.81	0	\$4.50	\$0
June	4	224	100%	185,832	815	\$0.082	\$15,266	7	0.03	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		1,206,852	290	\$0.077	\$93,387	6,327	1.52	\$7.81	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>2,414,728</b>	<b>348</b>	<b>\$0.076</b>	<b>\$184,198</b>	<b>9,990</b>	<b>1.44</b>	<b>\$7.81</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1975 Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 8,241,467

Gross Area (ft)2 199,380 Electricity = KWH X 3413

Gross Volume (ft)3 1,595,040 Steam = M (lbs) X 1,000,000  
 9,990,453

General Notes:  
 Fuel Oil = Gallons X 138,690  
 0  
 Other Fuel  
 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 18,231,919,239  
 Divided by 100,000 = 0.9144 THERMS  
 Gross Area (ft) 2 199,380

ENERGY COST / SQ. FT. / YEAR \$1.32  
 WATER COST TOTAL/YEAR \$15,966  
 WATER / SQ. FT. / YEAR \$0.08  
 UTILITY COST/YEAR \$278,205

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	0	232	100%	53,372	230	\$0.075	\$3,978	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	58,236	391	\$0.075	\$4,389	5	0.03	\$7.81	0	\$4.50	\$0
September	48	177	100%	47,071	209	\$0.079	\$3,695	17	0.08	\$7.81	0	\$4.50	\$0
October	260	29	100%	64,987	225	\$0.078	\$5,049	93	0.32	\$7.81	0	\$4.50	\$0
November	695	0	100%	65,307	94	\$0.073	\$4,765	247	0.36	\$7.81	0	\$4.50	\$0
December	1187	0	100%	20,000	17	\$0.073	\$1,453	423	0.36	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		308,973	111	\$0.076	\$23,329	785	0.28	\$7.81	0	\$4.50	\$0
January	1236	0	100%	20,000	16	\$0.073	\$1,455	440	0.36	\$7.81	0	\$4.50	\$0
February	933	0	100%	48,738	52	\$0.074	\$3,625	332	0.36	\$7.81	0	\$4.50	\$0
March	919	0	100%	53,648	58	\$0.074	\$3,954	327	0.36	\$7.81	0	\$4.50	\$0
April	650	0	100%	64,255	99	\$0.081	\$5,215	231	0.36	\$7.81	0	\$4.50	\$0
May	64	127	100%	79,196	415	\$0.082	\$6,506	23	0.12	\$7.81	0	\$4.50	\$0
June	4	224	100%	87,537	384	\$0.082	\$7,191	1	0.01	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		353,373	85	\$0.079	\$27,947	1,355	0.33	\$7.81	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>662,346</b>	<b>96</b>	<b>\$0.077</b>	<b>\$51,276</b>	<b>2,140</b>	<b>0.31</b>	<b>\$7.81</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data:	1935	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	42,710	Electricity = KWH X 3413	2,260,587
Gross Volume (ft)3	341,680	Steam = M (lbs) X 1,000,000	2,140,095
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	4,400,683
CHILLED WATER COST/YEAR	\$4,214		
ENERGY COST / SQ. FT. / YEAR	\$1.69		
WATER COST TOTAL/YEAR	\$7,436		
WATER / SQ. FT. / YEAR	\$0.17		
UTILITY COST/YEAR	\$79,644		

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{4,400,682,692}{42,710}$$

$$\text{Divided by 100,000} = 1.0304 \text{ THERMS}$$

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	0	232	100%	3,550	15	\$0.129	\$458	28	0.12	\$14.04	\$393	0	\$4.50	\$0
August	14	135	100%	3,550	24	\$0.129	\$458	0	0.00	\$0.00	\$264	0	\$4.50	\$0
September	48	177	100%	7,600	34	\$0.129	\$980	2	0.01	\$137.78	\$276	0	\$4.50	\$0
October	260	29	100%	10,100	35	\$0.129	\$1,303	37	0.13	\$11.65	\$431	0	\$4.50	\$0
November	695	0	100%	8,300	12	\$0.129	\$1,071	187	0.27	\$5.27	\$985	0	\$4.50	\$0
December	1187	0	100%	10,600	9	\$0.129	\$1,367	456	0.38	\$4.33	\$1,973	0	\$4.50	\$0
1st half yr	2204	573		43,700	16	\$0.129	\$5,638	710	0.26	\$6.09	\$4,322	0	\$4.50	\$0
January	1236	0	100%	8,200	7	\$0.129	\$1,058	601	0.49	\$4.23	\$2,540	0	\$4.50	\$0
February	933	0	100%	7,000	8	\$0.129	\$903	350	0.38	\$4.70	\$1,646	0	\$4.50	\$0
March	919	0	100%	7,700	8	\$0.129	\$993	236	0.26	\$5.59	\$1,318	0	\$4.50	\$0
April	650	0	100%	8,600	13	\$0.129	\$1,109	232	0.36	\$5.44	\$1,262	0	\$4.50	\$0
May	64	127	100%	8,300	43	\$0.129	\$1,071	126	0.66	\$5.41	\$682	0	\$4.50	\$0
June	4	224	100%	5,000	22	\$0.129	\$645	9	0.04	\$37.06	\$334	0	\$4.50	\$0
2nd half yr	3806	351		44,800	11	\$0.129	\$5,780	1,554	0.37	\$5.01	\$7,782	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>88,500</b>	<b>13</b>	<b>\$0.129</b>	<b>\$11,417</b>	<b>2,264</b>	<b>0.33</b>	<b>\$5.35</b>	<b>\$12,104</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1994 Energy Consumption to BTU Conversions

BTUs x 1,000

302,051

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTUs 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)		TOTAL	Load-shed Hours	Cost per Gal
July	0	232	100%	28,101	121	\$0.075	\$2,095	0	0.00	\$7.81	\$0	0	\$4.50	\$0
August	14	135	100%	29,844	200	\$0.075	\$2,249	6	0.04	\$7.81	\$44	0	\$4.50	\$0
September	48	177	100%	34,162	152	\$0.079	\$2,682	19	0.09	\$7.81	\$150	0	\$4.50	\$0
October	260	29	100%	35,252	122	\$0.078	\$2,739	104	0.36	\$7.81	\$812	0	\$4.50	\$0
November	695	0	100%	30,185	43	\$0.073	\$2,202	278	0.40	\$7.81	\$2,170	0	\$4.50	\$0
December	1187	0	100%	39,798	34	\$0.073	\$2,890	475	0.40	\$7.81	\$3,707	0	\$4.50	\$0
1st half yr	2204	573		197,342	71	\$0.075	\$14,857	881	0.32	\$7.81	\$6,882	0	\$4.50	\$0
January	1236	0	100%	28,012	23	\$0.073	\$2,038	494	0.40	\$7.81	\$3,860	0	\$4.50	\$0
February	933	0	100%	25,104	27	\$0.074	\$1,867	373	0.40	\$7.81	\$2,913	0	\$4.50	\$0
March	919	0	100%	33,297	36	\$0.074	\$2,454	367	0.40	\$7.81	\$2,870	0	\$4.50	\$0
April	650	0	100%	28,720	44	\$0.081	\$2,331	260	0.40	\$7.81	\$2,030	0	\$4.50	\$0
May	64	127	100%	44,000	230	\$0.082	\$3,615	26	0.13	\$7.81	\$200	0	\$4.50	\$0
June	4	224	100%	44,000	193	\$0.082	\$3,615	2	0.01	\$7.81	\$12	0	\$4.50	\$0
2nd half yr	3806	351		203,133	49	\$0.078	\$15,920	1,521	0.37	\$7.81	\$11,885	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>400,475</b>	<b>58</b>	<b>\$0.077</b>	<b>\$30,777</b>	<b>2,403</b>	<b>0.35</b>	<b>\$7.81</b>	<b>\$18,767</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1959 Energy Consumption to BTU Conversions

Gross Area (ft)2	47,947	BTU's x 1,000	1,366,821
Gross Volume (ft)3	383,576	Electricity = KWH X 3413	
		Steam = M (lbs) X 1,000,000	2,402,509
		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		<b>TOTAL BTU's x 1,000</b>	<b>3,769,330</b>

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{3,769,330,308}{47,947}$$

$$\text{Divided by 100,000} = \frac{0.7861}{\text{THERMS}}$$

ENERGY COST / SQ. FT. / YEAR	\$1.03
WATER COST TOTAL/YEAR	\$2,300
WATER / SQ. FT. / YEAR	\$0.05
UTILITY COST/YEAR	\$51,844

BUILDING: Stranahan Arboretum  
 FY YEAR: 2018

DATE : 08/08/18

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	0	232	100%	179	1	\$0.140	\$25	0	0.00	\$0.00	\$27	0	\$4.50	\$0
August	14	135	100%	179	1	\$0.140	\$25	2	0.01	\$20.74	\$35	0	\$4.50	\$0
September	48	177	100%	306	1	\$0.140	\$43	7	0.03	\$9.38	\$61	0	\$4.50	\$0
October	260	29	100%	194	1	\$0.140	\$27	18	0.06	\$6.71	\$118	0	\$4.50	\$0
November	695	0	100%	277	0	\$0.140	\$39	33	0.05	\$6.06	\$199	0	\$4.50	\$0
December	1187	0	100%	898	1	\$0.140	\$126	42	0.04	\$5.74	\$240	0	\$4.50	\$0
1st half yr	2204	573		2,033	1	\$0.140	\$285	100	0.04	\$6.77	\$680	0	\$4.50	\$0
January	1236	0	100%	1,235	1	\$0.140	\$173	36	0.03	\$5.85	\$209	0	\$4.50	\$0
February	933	0	100%	1,062	1	\$0.140	\$149	16	0.02	\$0.00	\$112	0	\$4.50	\$0
March	919	0	100%	891	1	\$0.140	\$125	31	0.03	\$5.96	\$186	0	\$4.50	\$0
April	650	0	100%	734	1	\$0.140	\$103	37	0.06	\$6.09	\$223	0	\$4.50	\$0
May	64	127	100%	342	2	\$0.140	\$48	6	0.03	\$9.33	\$60	0	\$4.50	\$0
June	4	224	100%	224	1	\$0.140	\$31	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		4,488	1	\$0.140	\$628	126	0.03	\$6.28	\$790	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>6,521</b>	<b>1</b>	<b>\$0.140</b>	<b>\$913</b>	<b>226</b>	<b>0.03</b>	<b>\$6.50</b>	<b>\$1,470</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1932 est Energy Consumption to BTU Conversions

Gross Area (ft)2 7,386 BTU's x 1,000 22,254

Electricity = KWH X 3413

Gross Volume (ft)3 59,088 Natural Gas = MCF X 102,500 23,196

Fuel Oil = Gallons X 138,690 0

Other Fuel 0

TOTAL BTU's x 1,000 45,450

Energy Utilization Index =

Total BTU Consumption/Yr 45,450,217  
 Gross Area (ft) 2 7,386

Divided by 100,000 = 0.0615 THERMS

ENERGY COST / SQ. FT. / YEAR \$0.32  
 WATER COST TOTAL/YEAR \$880  
 WATER / SQ. FT. / YEAR \$0.12  
 UTILITY COST/YEAR \$3,263

BUILDING: Stranahan Hall  
 FY YEAR: 2018

DATE : 08/08/18

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	0	232	100%	91,415	394	\$0.075	\$6,814	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	99,842	670	\$0.075	\$7,525	14	0.09	\$7.81	0	\$4.50	\$0
September	48	177	100%	107,684	479	\$0.079	\$8,454	48	0.22	\$7.81	0	\$4.50	\$0
October	260	29	100%	122,708	425	\$0.078	\$9,533	263	0.91	\$7.81	0	\$4.50	\$0
November	695	0	100%	120,601	174	\$0.073	\$8,800	702	1.01	\$7.81	0	\$4.50	\$0
December	1187	0	100%	119,034	100	\$0.073	\$8,645	1,199	1.01	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		661,283	238	\$0.075	\$49,771	2,226	0.80	\$7.81	0	\$4.50	\$0
January	1236	0	100%	123,447	100	\$0.073	\$8,981	1,248	1.01	\$7.81	0	\$4.50	\$0
February	933	0	100%	106,361	114	\$0.074	\$7,912	942	1.01	\$7.81	0	\$4.50	\$0
March	919	0	100%	129,118	140	\$0.074	\$9,517	928	1.01	\$7.81	0	\$4.50	\$0
April	650	0	100%	106,720	164	\$0.081	\$8,662	656	1.01	\$7.81	0	\$4.50	\$0
May	64	127	100%	116,559	610	\$0.082	\$9,575	65	0.34	\$7.81	0	\$4.50	\$0
June	4	224	100%	133,802	587	\$0.082	\$10,992	4	0.02	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		716,007	172	\$0.078	\$55,638	3,844	0.92	\$7.81	0	\$4.50	\$0
TOTAL/YEAR	6010	924		1,377,291	199	\$0.077	\$105,409	6,070	0.88	\$7.81	0	\$4.50	\$0

Building Data: 1984 Energy Consumption to BTU Conversions

BTUs x 1,000  
4,700,693

Electricity = KWH X 3413

Energy Utilization Index =

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

6,069,784

Total BTU Consumption/Yr 10,770,476,300  
Gross Area (ft) 2 121,135

Fuel Oil = Gallons X 138,690

0

Divided by 100,000 = 0.8891

Other Fuel

0

THERMS

TOTAL BTUs x 1,000 10,770,476

ENERGY COST / SQ. FT. / YEAR \$1.26  
 WATER COST TOTAL/YEAR \$5,811  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$158,634

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	0	232	100%	203,480	877	\$0.075	\$15,167	0	0.00	\$7.81	\$0	1	\$4.03	\$4	\$15,171
August	14	135	100%	201,526	1,353	\$0.075	\$15,189	18	0.12	\$7.81	\$144	1	\$5.26	\$5	\$15,338
September	48	177	100%	230,617	1,025	\$0.079	\$18,105	63	0.28	\$7.81	\$492	3	\$4.10	\$12	\$18,610
October	260	29	100%	242,575	839	\$0.078	\$18,846	341	1.18	\$7.81	\$2,666	1	\$3.99	\$4	\$21,516
November	695	0	100%	226,173	325	\$0.073	\$16,503	912	1.31	\$7.81	\$7,127	1	\$3.71	\$4	\$23,633
December	1187	0	100%	231,086	195	\$0.073	\$16,783	1,558	1.31	\$7.81	\$12,172	1	\$3.69	\$4	\$28,958
1st half yr	2204	573		1,335,456	481	\$0.075	\$100,593	2,893	1.04	\$7.81	\$22,600	8	\$4.12	\$33	\$123,226
January	1236	0	100%	239,376	194	\$0.073	\$17,415	1,622	1.31	\$7.81	\$12,674	1	\$3.75	\$4	\$30,093
February	933	0	100%	203,021	218	\$0.074	\$15,102	1,225	1.31	\$7.81	\$9,567	3	\$3.82	\$11	\$24,680
March	919	0	100%	241,558	263	\$0.074	\$17,804	1,206	1.31	\$7.81	\$9,424	1	\$4.22	\$4	\$27,232
April	650	0	100%	212,850	327	\$0.081	\$17,276	853	1.31	\$7.81	\$6,665	3	\$4.15	\$12	\$23,954
May	64	127	100%	261,960	1,372	\$0.082	\$21,520	84	0.44	\$7.81	\$656	1	\$2.92	\$3	\$22,179
June	4	224	100%	285,931	1,254	\$0.082	\$23,489	5	0.02	\$7.81	\$41	3	\$4.21	\$13	\$23,542
2nd half yr	3806	351		1,444,696	348	\$0.078	\$112,605	4,996	1.20	\$7.81	\$39,027	12	\$3.95	\$47	\$151,680
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>2,780,153</b>	<b>401</b>	<b>\$0.077</b>	<b>\$213,198</b>	<b>7,889</b>	<b>1.14</b>	<b>\$7.81</b>	<b>\$61,627</b>	<b>20</b>	<b>\$4.02</b>	<b>\$80</b>	<b>\$274,905</b>

Building Data: 1990  
 Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 9,488,661

Gross Area (ft)2 157,446  
 Electricity = KWH X 3413

Gross Volume (ft)3 1,259,568  
 Natural Gas = MCF X 102,500

General Notes:  
 Fuel Oil = Gallons X 138,690  
 Other Fuel  
 0

Total BTU Consumption/Yr 10,352,783,822  
 Divided by 100,000 = 0.6575 THERMS  
 Gross Area (ft) 2 157,446

ENERGY COST / SQ. FT. / YEAR \$1.75  
 WATER COST TOTAL/YEAR \$39,486  
 WATER / SQ. FT. / YEAR \$0.25  
 UTILITY COST/YEAR \$314,391

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	0	232	100%	170,424	735	\$0.075	\$12,703	0	0.00	\$7.81	\$0	56	\$4.03	\$12,929
August	14	135	100%	231,357	1,553	\$0.075	\$17,438	26	0.17	\$7.81	\$202	56	\$5.27	\$17,935
September	48	177	100%	223,963	995	\$0.079	\$17,583	89	0.39	\$7.81	\$692	203	\$4.10	\$19,107
October	260	29	100%	251,346	870	\$0.078	\$19,527	480	1.66	\$7.81	\$3,746	188	\$3.99	\$24,024
November	695	0	100%	231,953	334	\$0.073	\$16,924	1,282	1.84	\$7.81	\$10,013	243	\$3.71	\$27,838
December	1,187	0	100%	206,288	174	\$0.073	\$14,982	2,189	1.84	\$7.81	\$17,102	222	\$3.70	\$32,905
1st half yr	2,204	573		1,315,331	474	\$0.075	\$99,157	4,065	1.46	\$7.81	\$31,755	968	\$3.95	\$134,736
January	1,236	0	100%	232,920	188	\$0.073	\$16,945	2,280	1.84	\$7.81	\$17,808	130	\$3.75	\$35,241
February	933	0	100%	173,321	186	\$0.074	\$12,892	1,721	1.84	\$7.81	\$13,443	293	\$3.82	\$27,453
March	919	0	100%	231,141	252	\$0.074	\$17,036	1,695	1.84	\$7.81	\$13,241	205	\$4.21	\$31,141
April	650	0	100%	224,327	345	\$0.081	\$18,207	1,199	1.84	\$7.81	\$9,365	248	\$4.15	\$28,603
May	64	127	100%	164,903	863	\$0.082	\$13,547	118	0.62	\$7.81	\$922	263	\$2.92	\$15,236
June	4	224	100%	202,201	887	\$0.082	\$16,610	7	0.03	\$7.81	\$58	99	\$4.21	\$17,085
2nd half yr	3,806	351		1,228,813	296	\$0.078	\$95,238	7,020	1.69	\$7.81	\$54,836	1,238	\$3.78	\$154,759
<b>TOTAL/YEAR</b>	<b>6,010</b>	<b>924</b>		<b>2,544,144</b>	<b>367</b>	<b>\$0.076</b>	<b>\$194,395</b>	<b>11,085</b>	<b>1.60</b>	<b>\$7.81</b>	<b>\$86,592</b>	<b>2,206</b>	<b>\$3.86</b>	<b>\$289,495</b>

Building Data: 1959 Energy Consumption to BTU Conversions

Gross Area (ft)2 221,225 Electricity = KWH X 3413 BTU's x 1,000 8,683,163

Gross Volume (ft)3 1,769,800 Steam = M (lbs) X 1,000,000 11,085,053 Energy Utilization Index =

General Notes: Natural Gas = MCF X 102,500 226,115 Total BTU Consumption/Yr 19,994,331,491  
 Other Fuel 0 Divided by 100,000 = 0.9038 THERMS  
 TOTAL BTU's x 1,000 19,994,331

ENERGY COST / SQ. FT. / YEAR \$1.31  
 WATER COST TOTAL/YEAR \$147,844  
 WATER / SQ. FT. / YEAR \$0.67  
 UTILITY COST/YEAR \$437,340

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	0	232	100%	14,392	62	\$0.075	\$1,073	0	0.00	\$7.81	0	\$4.50	\$0
August	14	135	100%	14,853	100	\$0.075	\$1,119	2	0.01	\$7.81	0	\$4.50	\$0
September	48	177	100%	17,173	76	\$0.079	\$1,348	5	0.02	\$7.81	0	\$4.50	\$0
October	260	29	100%	22,456	78	\$0.078	\$1,745	29	0.10	\$7.81	0	\$4.50	\$0
November	695	0	100%	20,358	29	\$0.073	\$1,485	78	0.11	\$7.81	0	\$4.50	\$0
December	1187	0	100%	28,392	24	\$0.073	\$2,062	133	0.11	\$7.81	0	\$4.50	\$0
1st half yr	2204	573		117,623	42	\$0.075	\$8,832	246	0.09	\$7.81	0	\$4.50	\$0
January	1236	0	100%	19,578	16	\$0.073	\$1,424	138	0.11	\$7.81	0	\$4.50	\$0
February	933	0	100%	17,221	18	\$0.074	\$1,281	104	0.11	\$7.81	0	\$4.50	\$0
March	919	0	100%	22,786	25	\$0.074	\$1,679	103	0.11	\$7.81	0	\$4.50	\$0
April	650	0	100%	17,559	27	\$0.081	\$1,425	73	0.11	\$7.81	0	\$4.50	\$0
May	64	127	100%	23,442	123	\$0.082	\$1,926	7	0.04	\$7.81	0	\$4.50	\$0
June	4	224	100%	19,773	87	\$0.082	\$1,624	0	0.00	\$7.81	0	\$4.50	\$0
2nd half yr	3806	351		120,359	29	\$0.078	\$9,360	425	0.10	\$7.81	0	\$4.50	\$0
TOTAL/YEAR	6010	924		237,983	34	\$0.076	\$18,192	671	0.10	\$7.81	0	\$4.50	\$0

Building Data:	1994	Energy Consumption to BTU Conversions	BTUs x 1,000
Gross Area (ft)2	13,401	Electricity = KWH X 3413	812,234
Gross Volume (ft)3	107,208	Steam = M (lbs) X 1,000,000	671,492
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTUs x 1,000	1,483,726

ENERGY COST / SQ. FT. / YEAR	\$1.75
WATER COST TOTAL/YEAR	\$1,396
WATER / SQ. FT. / YEAR	\$0.10
UTILITY COST/YEAR	\$24,834

Energy Utilization Index =  
 Total BTU Consumption/Yr 1,483,726,193  
 Gross Area (ft) 2 13,401  
 Divided by 100,000 = 1.1072 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	0	232	100%	23,775	102	\$0.075	\$1,772	14	0.06	\$4.03	\$56	0	\$4.50	\$0
August	14	135	100%	24,257	163	\$0.075	\$1,828	3	0.02	\$5.27	\$16	0	\$4.50	\$0
September	48	177	100%	23,365	104	\$0.079	\$1,834	21	0.09	\$4.10	\$86	0	\$4.50	\$0
October	260	29	100%	23,312	81	\$0.078	\$1,811	51	0.18	\$3.99	\$204	0	\$4.50	\$0
November	695	0	100%	19,264	28	\$0.073	\$1,406	94	0.14	\$3.71	\$348	0	\$4.50	\$0
December	1187	0	100%	18,323	15	\$0.073	\$1,331	177	0.15	\$3.70	\$654	0	\$4.50	\$0
1st half yr	2204	573		132,296	48	\$0.075	\$9,982	360	0.13	\$3.79	\$1,364	0	\$4.50	\$0
January	1236	0	100%	18,710	15	\$0.073	\$1,361	188	0.15	\$3.75	\$705	0	\$4.50	\$0
February	933	0	100%	15,736	17	\$0.074	\$1,171	353	0.38	\$3.82	\$1,347	0	\$4.50	\$0
March	919	0	100%	18,893	21	\$0.074	\$1,393	134	0.15	\$4.21	\$565	0	\$4.50	\$0
April	650	0	100%	16,778	26	\$0.081	\$1,362	137	0.21	\$4.15	\$569	0	\$4.50	\$0
May	64	127	100%	22,852	120	\$0.082	\$1,877	101	0.53	\$2.92	\$295	0	\$4.50	\$0
June	4	224	100%	21,704	95	\$0.082	\$1,783	30	0.13	\$4.21	\$126	0	\$4.50	\$0
2nd half yr	3806	351		114,672	28	\$0.078	\$8,946	943	0.23	\$3.82	\$3,607	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>246,968</b>	<b>36</b>	<b>\$0.077</b>	<b>\$18,928</b>	<b>1,303</b>	<b>0.19</b>	<b>\$3.82</b>	<b>\$4,971</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1959 Energy Consumption to BTU Conversions

Gross Area (ft)2	19,826	Electricity = KWH X 3413	BTU's x 1,000	842,901
Gross Volume (ft)3	158,608	Natural Gas = MCF X 102,500	133,558	
General Notes:		Fuel Oil = Gallons X 138,690	0	
		Other Fuel	0	
		<b>TOTAL BTU's x 1,000</b>	<b>976,458</b>	

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{976,458,214}{19,826}$$

Divided by 100,000 = 0.4925 THERMS

ENERGY COST / SQ. FT. / YEAR	\$1.21
WATER COST TOTAL/YEAR	\$2,819
WATER / SQ. FT. / YEAR	\$0.14
UTILITY COST/YEAR	\$26,718

BUILDING: University Computer Center  
 FY YEAR: 2018

DATE : 08/08/18

MONTg	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM			NATURAL GAS			TOTAL ENERGY COST
	gating	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	0	232	100%	133,125	574	\$0.075	0	0.00	\$7.81	380	\$4.03	\$1,532
August	14	135	100%	138,257	928	\$0.075	4	0.03	\$7.81	374	\$5.27	\$1,971
September	48	177	100%	135,701	603	\$0.079	13	0.06	\$7.81	511	\$4.10	\$2,095
October	260	29	100%	150,980	522	\$0.078	71	0.25	\$7.81	391	\$3.99	\$1,560
November	695	0	100%	150,801	217	\$0.073	190	0.27	\$7.81	443	\$3.71	\$1,642
December	1187	0	100%	160,556	135	\$0.073	325	0.27	\$7.81	60	\$3.70	\$222
1st half yr	2204	573		869,421	313	\$0.075	604	0.22	\$7.81	2,159	\$4.18	\$9,022
January	1236	0	100%	158,973	129	\$0.073	339	0.27	\$7.81	0	\$0.00	\$0
February	933	0	100%	150,266	161	\$0.074	256	0.27	\$7.81	0	\$0.00	\$0
March	919	0	100%	179,823	196	\$0.074	252	0.27	\$7.81	0	\$0.00	\$0
April	650	0	100%	146,614	226	\$0.081	178	0.27	\$7.81	0	\$0.00	\$0
May	64	127	100%	190,001	995	\$0.082	18	0.09	\$7.81	0	\$0.00	\$0
June	4	224	100%	186,687	819	\$0.082	1	0.00	\$7.81	0	\$0.00	\$0
2nd half yr	3806	351		1,012,364	244	\$0.078	1,043	0.25	\$7.81	0	\$0.00	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,881,785</b>	<b>271</b>	<b>\$0.077</b>	<b>1,647</b>	<b>0.24</b>	<b>\$7.81</b>	<b>2,159</b>	<b>\$4.18</b>	<b>\$9,022</b>

Building Data: 1966 Energy Consumption to BTU Conversions

Gross Area (ft)2 32,872 Electricity = KWH X 3413 BTU's x 1,000 6,422,533

Gross Volume (ft)3 262,976 Natural Gas = MCF X 102,500 168,832 Total BTU Consumption/Yr 12,579,998,721

General Notes: Fuel Oil = Gallons X 138,690 5,988,634 Divided by 100,000 = 3.8270 THERMS  
 Other Fuel 0  
 Total BTU Consumption/Yr 12,579,998,721  
 Gross Area (ft) 2 32,872

ENERGY COST / SQ. FT. / YEAR \$5.05  
 WATER COST TOTAL/YEAR \$9,981  
 WATER / SQ. FT. / YEAR \$0.30  
 UTILITY COST/YEAR \$176,101



BUILDING: University Hall  
 FY YEAR: 2018

DATE : 08/08/18

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	0	232	100%	267,401	1,153	\$0.075	\$19,931	0	0.00	\$7.81	\$0	19	\$4.03	\$77	\$20,008
August	14	135	100%	280,593	1,883	\$0.075	\$21,149	34	0.23	\$7.81	\$267	18	\$5.27	\$95	\$21,511
September	48	177	100%	285,918	1,271	\$0.079	\$22,447	117	0.52	\$7.81	\$915	22	\$4.10	\$90	\$23,452
October	260	29	100%	310,856	1,076	\$0.078	\$24,151	634	2.19	\$7.81	\$4,955	23	\$3.99	\$92	\$29,198
November	695	0	100%	315,299	454	\$0.073	\$23,006	1,696	2.44	\$7.81	\$13,246	33	\$3.71	\$122	\$36,374
December	1187	0	100%	346,368	292	\$0.073	\$25,156	2,896	2.44	\$7.81	\$22,623	74	\$3.70	\$273	\$48,052
1st half yr	2204	573		1,806,436	650	\$0.075	\$135,839	5,377	1.94	\$7.81	\$42,005	189	\$3.96	\$749	\$178,593
January	1236	0	100%	318,888	258	\$0.073	\$23,199	3,016	2.44	\$7.81	\$23,556	79	\$3.75	\$296	\$47,052
February	933	0	100%	281,870	302	\$0.074	\$20,967	2,276	2.44	\$7.81	\$17,782	76	\$3.82	\$290	\$39,038
March	919	0	100%	328,602	358	\$0.074	\$24,220	2,242	2.44	\$7.81	\$17,515	46	\$4.21	\$194	\$41,928
April	650	0	100%	259,198	399	\$0.081	\$21,038	1,586	2.44	\$7.81	\$12,388	38	\$4.15	\$158	\$33,584
May	64	127	100%	307,309	1,609	\$0.082	\$25,245	156	0.82	\$7.81	\$1,220	25	\$2.92	\$73	\$26,538
June	4	224	100%	291,872	1,280	\$0.082	\$23,977	10	0.04	\$7.81	\$76	14	\$4.21	\$59	\$24,112
2nd half yr	3806	351		1,787,738	430	\$0.078	\$138,645	9,286	2.23	\$7.81	\$72,537	278	\$3.85	\$1,070	\$212,252
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>3,594,174</b>	<b>518</b>	<b>\$0.076</b>	<b>\$274,484</b>	<b>14,663</b>	<b>2.11</b>	<b>\$7.81</b>	<b>\$114,542</b>	<b>467</b>	<b>\$3.90</b>	<b>\$1,819</b>	<b>\$390,845</b>

Building Data: 1931 Energy Consumption to BTU Conversions

BTUs x 1,000

12,266,915

Electricity = KWH X 3413

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

14,663,136

Natural Gas = MCF X 102,500

47,868

Other Fuel

0

TOTAL BTUs x 1,000

26,977,918

ENERGY COST / SQ. FT. / YEAR \$1.34  
 WATER COST TOTAL/YEAR \$14,038  
 WATER / SQ. FT. / YEAR \$0.05  
 UTILITY COST/YEAR \$404,883

Energy Utilization Index =

Total BTU Consumption/Yr 26,977,918,444

Gross Area (ft) 2 292,633

Divided by 100,000 =

0.9219

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	0	232	100%	39,880	172	\$0.092	\$3,669	29	0.13	\$32.02	\$929	0	\$4.50	\$0
August	14	135	100%	39,880	268	\$0.092	\$3,669	29	0.19	\$33.20	\$963	0	\$4.50	\$0
September	48	177	100%	35,980	160	\$0.092	\$3,310	29	0.13	\$32.34	\$938	0	\$4.50	\$0
October	260	29	100%	37,480	130	\$0.092	\$3,448	33	0.11	\$28.69	\$947	0	\$4.50	\$0
November	695	0	100%	37,180	53	\$0.092	\$3,421	301	0.43	\$6.53	\$1,965	0	\$4.50	\$0
December	1187	0	100%	40,680	34	\$0.092	\$3,743	1,089	0.92	\$4.46	\$4,857	0	\$4.50	\$0
1st half yr	2204	573		231,080	83	\$0.092	\$21,259	1,510	0.54	\$7.02	\$10,598	0	\$4.50	\$0
January	1236	0	100%	45,960	37	\$0.092	\$4,228	1,559	1.26	\$4.27	\$6,660	0	\$4.50	\$0
February	933	0	100%	92,460	99	\$0.092	\$8,506	1,027	1.10	\$4.67	\$4,800	0	\$4.50	\$0
March	919	0	100%	43,960	48	\$0.092	\$4,044	847	0.92	\$5.31	\$4,495	0	\$4.50	\$0
April	650	0	100%	42,960	66	\$0.092	\$3,952	735	1.13	\$5.30	\$3,895	0	\$4.50	\$0
May	64	127	100%	41,640	218	\$0.092	\$3,831	221	1.16	\$6.94	\$1,533	0	\$4.50	\$0
June	4	224	100%	39,500	173	\$0.092	\$3,634	62	0.27	\$18.08	\$1,121	0	\$4.50	\$0
2nd half yr	3806	351		306,480	74	\$0.092	\$28,196	4,451	1.07	\$5.06	\$22,505	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>537,560</b>	<b>78</b>	<b>\$0.092</b>	<b>\$49,456</b>	<b>5,961</b>	<b>0.86</b>	<b>\$5.55</b>	<b>\$33,103</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1946  
 Gross Area (ft)2 271,332  
 Gross Volume (ft)3 2,170,656

Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 Electricity = KWH X 3413 1,834,692  
 Natural Gas = MCF X 102,500 611,003  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Energy Utilization Index =  
 Total BTU Consumption/Yr 2,445,694,780  
 Gross Area (ft) 2 271,332  
 Divided by 100,000 = 0.0901 THERMS

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

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	0	232	100%	426,187	1,837	\$0.075	\$31,767	0	0.00	\$7.81	\$0	1	\$39.05	\$31,798
August	14	135	100%	422,945	2,839	\$0.075	\$31,878	22	0.15	\$7.81	\$172	1	\$43.21	\$32,080
September	48	177	100%	465,402	2,068	\$0.079	\$36,537	75	0.34	\$7.81	\$589	1	\$35.41	\$37,159
October	260	29	100%	449,853	1,557	\$0.078	\$34,949	409	1.41	\$7.81	\$3,192	1	\$49.73	\$38,171
November	695	0	100%	456,996	658	\$0.073	\$33,345	1,092	1.57	\$7.81	\$8,532	1	\$50.52	\$41,907
December	1187	0	100%	431,896	364	\$0.073	\$31,367	1,865	1.57	\$7.81	\$14,572	1	\$49.65	\$45,969
1st half yr	2204	573		2,653,279	955	\$0.075	\$199,843	3,464	1.25	\$7.81	\$27,058	4	\$43.64	\$227,084
January	1236	0	100%	544,193	440	\$0.073	\$39,591	1,943	1.57	\$7.81	\$15,174	1	\$49.57	\$54,794
February	933	0	100%	320,126	343	\$0.074	\$23,813	1,466	1.57	\$7.81	\$11,454	1	\$31.84	\$35,298
March	919	0	100%	487,136	530	\$0.074	\$35,905	1,444	1.57	\$7.81	\$11,282	1	\$26.88	\$47,219
April	650	0	100%	425,949	655	\$0.081	\$34,572	1,022	1.57	\$7.81	\$7,980	1	\$32.70	\$42,585
May	64	127	100%	395,842	2,072	\$0.082	\$32,518	101	0.53	\$7.81	\$786	2	\$18.36	\$33,342
June	4	224	100%	426,861	1,872	\$0.082	\$35,066	6	0.03	\$7.81	\$49	0	\$0.00	\$35,115
2nd half yr	3806	351		2,600,107	625	\$0.077	\$201,463	5,982	1.44	\$7.81	\$46,725	6	\$27.98	\$248,353
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>5,253,386</b>	<b>758</b>	<b>\$0.076</b>	<b>\$401,307</b>	<b>9,445</b>	<b>1.36</b>	<b>\$7.81</b>	<b>\$73,783</b>	<b>10</b>	<b>\$34.49</b>	<b>\$475,438</b>

Building Data: 1997 Energy Consumption to BTU Conversions

Gross Area (ft)2 188,501 Electricity = KWH X 3413 BTU's x 1,000 17,929,806

Gross Volume (ft)3 1,508,008 Steam = M (lbs) X 1,000,000 9,445,332 Energy Utilization Index =

General Notes: Natural Gas = MCF X 102,500 1,035 Total BTU Consumption/Yr 27,376,173,702  
 Other Fuel 0 Divided by 100,000 = 1.4523 THERMS  
 TOTAL BTU's x 1,000 27,376,174

ENERGY COST / SQ. FT. / YEAR \$2.52  
 WATER COST TOTAL/YEAR \$48,870  
 WATER / SQ. FT. / YEAR \$0.26  
 UTILITY COST/YEAR \$524,308

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	0	232	100%	88,462	381	\$0.075	\$6,669	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	94,261	633	\$0.075	\$7,071	19	0.13	\$7.46	0	\$4.50	\$0
September	48	177	100%	90,032	400	\$0.077	\$6,917	64	0.28	\$7.46	0	\$4.50	\$0
October	260	29	100%	86,843	300	\$0.076	\$6,594	347	1.20	\$7.46	0	\$4.50	\$0
November	695	0	100%	91,478	132	\$0.076	\$6,947	928	1.34	\$7.46	0	\$4.50	\$0
December	1187	0	100%	77,765	66	\$0.072	\$5,592	1,585	1.34	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		528,841	190	\$0.075	\$39,790	2,943	1.06	\$7.46	0	\$4.50	\$0
January	1236	0	100%	87,074	70	\$0.074	\$6,415	1,650	1.34	\$7.46	0	\$4.50	\$0
February	933	0	100%	91,961	99	\$0.078	\$7,193	1,246	1.34	\$7.46	0	\$4.50	\$0
March	919	0	100%	77,017	84	\$0.075	\$5,747	1,227	1.34	\$7.46	0	\$4.50	\$0
April	650	0	100%	71,537	110	\$0.080	\$5,702	868	1.34	\$7.46	0	\$4.50	\$0
May	64	127	100%	96,101	503	\$0.080	\$7,721	85	0.45	\$7.46	0	\$4.50	\$0
June	4	224	100%	87,300	383	\$0.080	\$7,014	5	0.02	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		510,990	123	\$0.078	\$39,792	5,081	1.22	\$7.46	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,039,831</b>	<b>150</b>	<b>\$0.076</b>	<b>\$79,582</b>	<b>8,024</b>	<b>1.16</b>	<b>\$7.46</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 2003 Energy Consumption to BTU Conversions

Gross Area (ft)2 88,810 BTU's x 1,000 3,548,943

Electricity = KWH X 3413

Energy Utilization Index =

Gross Volume (ft)3 710,480 Steam = M (lbs) X 1,000,000 8,024,069  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

Total BTU Consumption/Yr 11,573,012.621

Gross Area (ft) 2 88,810

Divided by 100,000 = 1.3031

THERMS

TOTAL BTU's x 1,000 11,573,013

ENERGY COST / SQ. FT. / YEAR \$1.57  
 WATER COST TOTAL/YEAR \$8,215  
 WATER / SQ. FT. / YEAR \$0.09  
 UTILITY COST/YEAR \$147,633

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	0	232	100%	75,778	327	\$0.075	\$5,713	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	83,399	560	\$0.075	\$6,256	23	0.16	\$7.46	0	\$4.50	\$0
September	48	177	100%	80,336	357	\$0.077	\$6,172	80	0.36	\$7.46	0	\$4.50	\$0
October	260	29	100%	76,972	266	\$0.076	\$5,844	435	1.51	\$7.46	0	\$4.50	\$0
November	695	0	100%	90,963	131	\$0.076	\$6,908	1,164	1.67	\$7.46	0	\$4.50	\$0
December	1187	0	100%	80,281	68	\$0.072	\$5,773	1,987	1.67	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		487,729	176	\$0.075	\$36,666	3,690	1.33	\$7.46	0	\$4.50	\$0
January	1236	0	100%	81,277	66	\$0.074	\$5,988	2,069	1.67	\$7.46	0	\$4.50	\$0
February	933	0	100%	76,993	83	\$0.078	\$6,022	1,562	1.67	\$7.46	0	\$4.50	\$0
March	919	0	100%	81,418	89	\$0.075	\$6,075	1,539	1.67	\$7.46	0	\$4.50	\$0
April	650	0	100%	75,208	116	\$0.080	\$5,995	1,088	1.67	\$7.46	0	\$4.50	\$0
May	64	127	100%	76,942	403	\$0.080	\$6,182	107	0.56	\$7.46	0	\$4.50	\$0
June	4	224	100%	72,215	317	\$0.080	\$5,802	7	0.03	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		464,053	112	\$0.078	\$36,064	6,372	1.53	\$7.46	0	\$4.50	\$0
TOTAL/YEAR	6010	924		951,782	137	\$0.076	\$72,730	10,062	1.45	\$7.46	0	\$4.50	\$0

Building Data: 1996 Energy Consumption to BTU Conversions

Gross Area (ft)2 111,363 BTU's x 1,000 3,248,432

Gross Volume (ft)3 890,904

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 13,310,187

Energy Utilization Index =

Total BTU Consumption/Yr 13,310,186,752

Gross Area (ft) 2 111,363

Divided by 100,000 = 1.1952

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.33  
 WATER COST TOTAL/YEAR \$25,718  
 WATER / SQ. FT. / YEAR \$0.23  
 UTILITY COST/YEAR \$173,480

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	0	232	100%	100,724	434	\$0.075	\$7,594	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	112,209	753	\$0.075	\$8,417	9	0.06	\$7.46	0	\$4.50	\$0
September	48	177	100%	100,078	445	\$0.077	\$7,689	32	0.14	\$7.46	0	\$4.50	\$0
October	260	29	100%	99,106	343	\$0.076	\$7,525	172	0.59	\$7.46	0	\$4.50	\$0
November	695	0	100%	113,467	163	\$0.076	\$8,617	459	0.66	\$7.46	0	\$4.50	\$0
December	1187	0	100%	114,929	97	\$0.072	\$8,264	785	0.66	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		640,513	231	\$0.075	\$48,106	1,457	0.52	\$7.46	0	\$4.50	\$0
January	1236	0	100%	115,485	93	\$0.074	\$8,508	817	0.66	\$7.46	0	\$4.50	\$0
February	933	0	100%	102,384	110	\$0.078	\$8,008	617	0.66	\$7.46	0	\$4.50	\$0
March	919	0	100%	110,653	120	\$0.075	\$8,256	608	0.66	\$7.46	0	\$4.50	\$0
April	650	0	100%	102,509	158	\$0.080	\$8,171	430	0.66	\$7.46	0	\$4.50	\$0
May	64	127	100%	106,767	559	\$0.080	\$8,578	42	0.22	\$7.46	0	\$4.50	\$0
June	4	224	100%	99,614	437	\$0.080	\$8,004	3	0.01	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		637,412	153	\$0.078	\$49,526	2,516	0.61	\$7.46	0	\$4.50	\$0
TOTAL/YEAR	6010	924		1,277,925	184	\$0.076	\$97,632	3,973	0.57	\$7.46	0	\$4.50	\$0

Building Data: 1981 Energy Consumption to BTU Conversions

Gross Area (ft)2 43,975 BTU's x 1,000 4,361,558

Gross Volume (ft)3 351,800

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 8,334,742

Total BTU Consumption/Yr 8,334,741,818

Gross Area (ft) 2 43,975

Divided by 100,000 = 1.8953

THERMS

ENERGY COST / SQ. FT. / YEAR \$2.89  
 WATER COST TOTAL/YEAR \$6,838  
 WATER / SQ. FT. / YEAR \$0.16  
 UTILITY COST/YEAR \$134,097

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	0	232	100%	626,591	2,701	\$0.075	\$47,241	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	355,213	2,384	\$0.075	\$26,645	52	0.35	\$7.46	0	\$4.50	\$0
September	48	177	100%	355,213	1,579	\$0.077	\$27,290	179	0.79	\$7.46	0	\$4.50	\$0
October	260	29	100%	355,213	1,229	\$0.076	\$26,970	968	3.35	\$7.46	0	\$4.50	\$0
November	695	0	100%	485,723	699	\$0.076	\$36,888	2,587	3.72	\$7.46	0	\$4.50	\$0
December	1187	0	100%	419,267	353	\$0.072	\$30,149	4,419	3.72	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		2,597,220	935	\$0.075	\$195,183	8,204	2.95	\$7.46	0	\$4.50	\$0
January	1236	0	100%	459,812	372	\$0.074	\$33,877	4,601	3.72	\$7.46	0	\$4.50	\$0
February	933	0	100%	401,961	431	\$0.078	\$31,439	3,473	3.72	\$7.46	0	\$4.50	\$0
March	919	0	100%	458,868	499	\$0.075	\$34,238	3,421	3.72	\$7.46	0	\$4.50	\$0
April	650	0	100%	438,564	675	\$0.080	\$34,959	2,420	3.72	\$7.46	0	\$4.50	\$0
May	64	127	100%	591,784	3,098	\$0.080	\$47,547	238	1.25	\$7.46	0	\$4.50	\$0
June	4	224	100%	591,753	2,595	\$0.080	\$47,545	15	0.07	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		2,942,742	708	\$0.078	\$229,605	14,168	3.41	\$7.46	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>5,539,962</b>	<b>799</b>	<b>\$0.076</b>	<b>\$424,788</b>	<b>22,372</b>	<b>3.23</b>	<b>\$7.46</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1977 Energy Consumption to BTU Conversions

Gross Area (ft)2 247,616 Electricity = KWH X 3413 BTU's x 1,000 18,907,890

Gross Volume (ft)3 1,980,928 Steam = M (lbs) X 1,000,000 22,372,345

Energy Utilization Index = Total BTU Consumption/Yr 41,280,235,458  
 Divided by 100,000 = 412.80235458  
 Gross Area (ft) 2 247,616

General Notes: Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 THERMS

ENERGY COST / SQ. FT. / YEAR \$2.39  
 WATER COST TOTAL/YEAR \$40,650  
 WATER / SQ. FT. / YEAR \$0.16  
 UTILITY COST/YEAR \$632,270

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	0	232	100%	26,544	114	\$0.075	\$2,001	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	27,044	182	\$0.075	\$2,029	6	0.04	\$7.46	0	\$4.50	\$0
September	48	177	100%	22,416	100	\$0.077	\$1,722	19	0.09	\$7.46	0	\$4.50	\$0
October	260	29	100%	18,008	62	\$0.076	\$1,367	105	0.36	\$7.46	0	\$4.50	\$0
November	695	0	100%	16,667	24	\$0.076	\$1,266	281	0.40	\$7.46	0	\$4.50	\$0
December	1187	0	100%	16,016	13	\$0.072	\$1,152	481	0.40	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		126,695	46	\$0.075	\$9,537	892	0.32	\$7.46	0	\$4.50	\$0
January	1236	0	100%	16,805	14	\$0.074	\$1,238	500	0.40	\$7.46	0	\$4.50	\$0
February	933	0	100%	15,576	17	\$0.078	\$1,218	378	0.40	\$7.46	0	\$4.50	\$0
March	919	0	100%	16,128	18	\$0.075	\$1,203	372	0.40	\$7.46	0	\$4.50	\$0
April	650	0	100%	15,543	24	\$0.080	\$1,239	263	0.40	\$7.46	0	\$4.50	\$0
May	64	127	100%	21,263	111	\$0.080	\$1,708	26	0.14	\$7.46	0	\$4.50	\$0
June	4	224	100%	24,196	106	\$0.080	\$1,944	2	0.01	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		109,511	26	\$0.078	\$8,551	1,541	0.37	\$7.46	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>236,206</b>	<b>34</b>	<b>\$0.076</b>	<b>\$18,088</b>	<b>2,433</b>	<b>0.35</b>	<b>\$7.46</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1983 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

Other Fuel

806,171

2,433,332

0

0

3,239,503

TOTAL BTU's x 1,000

Energy Utilization Index =

Total BTU Consumption/Yr  
 Gross Area (ft) 2  
 Divided by 100,000 =

3,239,503,333  
 26,932  
 1.2028

THERMS

ENERGY COST / SQ. FT. / YEAR \$1.35  
 WATER COST TOTAL/YEAR \$4,269  
 WATER / SQ. FT. / YEAR \$0.16  
 UTILITY COST/YEAR \$40,503



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	0	232	100%	48,362	208	\$0.075	\$3,646	24	0.10	\$6.78	\$163	0	\$4.50	\$0
August	14	135	100%	44,471	298	\$0.075	\$3,336	19	0.13	\$8.95	\$170	0	\$4.50	\$0
September	48	177	100%	37,924	169	\$0.077	\$2,914	19	0.08	\$7.73	\$147	0	\$4.50	\$0
October	260	29	100%	36,747	127	\$0.076	\$2,790	19	0.07	\$6.94	\$132	0	\$4.50	\$0
November	695	0	100%	30,055	43	\$0.076	\$2,283	45	0.06	\$5.59	\$251	0	\$4.50	\$0
December	1187	0	100%	31,031	26	\$0.072	\$2,231	69	0.06	\$4.89	\$337	0	\$4.50	\$0
1st half yr	2204	573		228,590	82	\$0.075	\$17,200	195	0.07	\$6.16	\$1,201	0	\$4.50	\$0
January	1236	0	100%	31,039	25	\$0.074	\$2,287	157	0.13	\$4.34	\$681	0	\$4.50	\$0
February	933	0	100%	26,504	28	\$0.078	\$2,073	114	0.12	\$4.56	\$520	0	\$4.50	\$0
March	919	0	100%	31,695	34	\$0.075	\$2,365	97	0.11	\$5.10	\$495	0	\$4.50	\$0
April	650	0	100%	29,464	45	\$0.080	\$2,349	86	0.13	\$5.03	\$432	0	\$4.50	\$0
May	64	127	100%	38,053	199	\$0.080	\$3,057	35	0.18	\$4.46	\$156	0	\$4.50	\$0
June	4	224	100%	40,815	179	\$0.080	\$3,279	30	0.13	\$5.96	\$179	0	\$4.50	\$0
2nd half yr	3806	351		197,570	48	\$0.078	\$15,410	519	0.12	\$4.75	\$2,463	0	\$4.50	\$0
TOTAL/YEAR	6010	924		426,160	61	\$0.076	\$32,610	714	0.10	\$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 1,454,484

Gross Volume (ft)3 324,127 Natural Gas = MCF X 102,500 73,185  
 Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0

General Notes: Total BTU Consumption/Yr 1,527,669,080  
 Divided by 100,000 = 0.3771 THERMS  
 Gross Area (ft) 2 40,516

ENERGY COST / SQ. FT. / YEAR \$0.9  
 WATER COST TOTAL/YEAR \$11,495  
 WATER / SQ. FT. / YEAR \$0.28  
 UTILITY COST/YEAR \$47,769

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	0	232	100%	34,939	151	\$0.075	\$2,634	66	0.28	\$6.78	\$448	0	\$4.50	\$0
August	14	135	100%	34,233	230	\$0.075	\$2,568	47	0.32	\$8.95	\$421	0	\$4.50	\$0
September	48	177	100%	28,821	128	\$0.077	\$2,214	50	0.22	\$7.73	\$387	0	\$4.50	\$0
October	260	29	100%	28,596	99	\$0.076	\$2,171	66	0.23	\$6.94	\$458	0	\$4.50	\$0
November	695	0	100%	21,270	31	\$0.076	\$1,615	90	0.13	\$5.59	\$503	0	\$4.50	\$0
December	1187	0	100%	20,943	18	\$0.072	\$1,506	146	0.12	\$4.89	\$714	0	\$4.50	\$0
1st half yr	2204	573		168,802	61	\$0.075	\$12,709	465	0.17	\$6.30	\$2,930	0	\$4.50	\$0
January	1236	0	100%	27,498	22	\$0.074	\$2,026	268	0.22	\$4.34	\$1,163	0	\$4.50	\$0
February	933	0	100%	24,838	27	\$0.078	\$1,943	244	0.26	\$4.56	\$1,113	0	\$4.50	\$0
March	919	0	100%	27,833	30	\$0.075	\$2,077	221	0.24	\$5.10	\$1,128	0	\$4.50	\$0
April	650	0	100%	25,002	38	\$0.080	\$1,993	201	0.31	\$5.03	\$1,010	0	\$4.50	\$0
May	64	127	100%	35,308	185	\$0.080	\$2,837	134	0.70	\$4.46	\$598	0	\$4.50	\$0
June	4	224	100%	40,552	178	\$0.080	\$3,258	108	0.47	\$5.96	\$644	0	\$4.50	\$0
2nd half yr	3806	351		181,031	44	\$0.078	\$14,133	1,176	0.28	\$4.81	\$5,656	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>349,833</b>	<b>50</b>	<b>\$0.076</b>	<b>\$26,842</b>	<b>1,641</b>	<b>0.24</b>	<b>\$5.23</b>	<b>\$8,585</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1978 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

1,193,980

168,203

0

0

TOTAL BTU's x 1,000

1,362,183

1,362,182,529

40,447

0.3368

THERMS

Energy Utilization Index = Total BTU Consumption/Yr / Gross Area (ft) 2

Divided by 100,000 =

ENERGY COST / SQ. FT. / YEAR \$0.88  
 WATER COST TOTAL/YEAR \$4,354  
 WATER / SQ. FT. / YEAR \$0.11  
 UTILITY COST/YEAR \$39,782

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	0	232	100%	2,060,526	8,882	\$0.075	\$155,349	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	1,840,533	12,353	\$0.075	\$138,060	54	0.36	\$7.46	0	\$4.50	\$0
September	48	177	100%	1,713,969	7,618	\$0.077	\$131,680	184	0.82	\$7.46	0	\$4.50	\$0
October	260	29	100%	1,505,082	5,208	\$0.076	\$114,276	996	3.45	\$7.46	0	\$4.50	\$0
November	695	0	100%	1,287,649	1,853	\$0.076	\$97,789	2,663	3.83	\$7.46	0	\$4.50	\$0
December	1187	0	100%	1,124,166	947	\$0.072	\$80,838	4,548	3.83	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		9,531,925	3,432	\$0.075	\$717,993	8,445	3.04	\$7.46	0	\$4.50	\$0
January	1236	0	100%	1,173,190	949	\$0.074	\$86,435	4,736	3.83	\$7.46	0	\$4.50	\$0
February	933	0	100%	1,043,967	1,119	\$0.078	\$81,654	3,575	3.83	\$7.46	0	\$4.50	\$0
March	919	0	100%	1,186,447	1,291	\$0.075	\$88,526	3,521	3.83	\$7.46	0	\$4.50	\$0
April	650	0	100%	1,170,687	1,801	\$0.080	\$93,318	2,491	3.83	\$7.46	0	\$4.50	\$0
May	64	127	100%	1,947,873	10,198	\$0.080	\$156,503	245	1.28	\$7.46	0	\$4.50	\$0
June	4	224	100%	2,022,097	8,869	\$0.080	\$162,467	15	0.07	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		8,544,261	2,055	\$0.078	\$668,902	14,583	3.51	\$7.46	0	\$4.50	\$0
TOTAL/YEAR	6010	924		18,076,186	2,607	\$0.076	\$1,386,895	23,028	3.32	\$7.46	0	\$4.50	\$0

Building Data: 1973 Energy Consumption to BTU Conversions  
 Gross Area (ft)2 254,875 Electricity = KWH X 3413 BTUs x 1,000 61,694,023  
 Gross Volume (ft)3 2,039,000 Steam = M (lbs) X 1,000,000 23,028,203  
 General Notes: Fuel Oil = Gallons X 138,690  
 Other Fuel 0  
 TOTAL BTUs x 1,000 84,722,226

Energy Utilization Index =  
 Total BTU Consumption/Yr 84,722,225,642  
 Gross Area (ft) 2 254,875  
 Divided by 100,000 = 3.3241 THERMS

ENERGY COST / SQ. FT. / YEAR \$6.12  
 WATER COST TOTAL/YEAR \$126,790  
 WATER / SQ. FT. / YEAR \$0.50  
 UTILITY COST/YEAR \$1,685,408

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	0	232	100%	581,244	2,505	\$0.075	\$43,822	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	658,558	4,420	\$0.075	\$49,399	36	0.24	\$7.46	0	\$4.50	\$0
September	48	177	100%	569,565	2,531	\$0.077	\$43,758	122	0.54	\$7.46	0	\$4.50	\$0
October	260	29	100%	474,415	1,642	\$0.076	\$36,021	660	2.28	\$7.46	0	\$4.50	\$0
November	695	0	100%	338,099	486	\$0.076	\$25,677	1,763	2.54	\$7.46	0	\$4.50	\$0
December	1187	0	100%	310,268	261	\$0.072	\$22,311	3,012	2.54	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		2,932,149	1,056	\$0.075	\$220,988	5,592	2.01	\$7.46	0	\$4.50	\$0
January	1236	0	100%	336,261	272	\$0.074	\$24,774	3,136	2.54	\$7.46	0	\$4.50	\$0
February	933	0	100%	307,187	329	\$0.078	\$24,027	2,367	2.54	\$7.46	0	\$4.50	\$0
March	919	0	100%	339,085	369	\$0.075	\$25,301	2,332	2.54	\$7.46	0	\$4.50	\$0
April	650	0	100%	315,283	485	\$0.080	\$25,132	1,649	2.54	\$7.46	0	\$4.50	\$0
May	64	127	100%	375,448	1,966	\$0.080	\$30,166	162	0.85	\$7.46	0	\$4.50	\$0
June	4	224	100%	419,196	1,839	\$0.080	\$33,681	10	0.04	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		2,092,460	503	\$0.078	\$163,079	9,656	2.32	\$7.46	0	\$4.50	\$0
TOTAL/YEAR	6010	924		5,024,609	725	\$0.076	\$384,067	15,248	2.20	\$7.46	0	\$4.50	\$0

Building Data:	1970	Energy Consumption to BTU Conversions	BTUs x 1,000
Gross Area (ft)2	168,764	Electricity = KWH X 3413	17,148,991
Gross Volume (ft)3	1,350,112	Steam = M (lbs) X 1,000,000	15,247,991
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTUs x 1,000	32,396,981

Energy Utilization Index =	Total BTU Consumption/Yr	32,396,981,185
	Gross Area (ft) 2	168,764
	Divided by 100,000 =	1.9197
		THERMS

ENERGY COST / SQ. FT. / YEAR	\$2.95
WATER COST TOTAL/YEAR	\$147,086
WATER / SQ. FT. / YEAR	\$0.87
UTILITY COST/YEAR	\$644,858

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	0	232	100%	19,646	85	\$0.075	\$972	412	1.78	\$4.54	\$1,869	0	\$4.50	\$0
August	14	135	100%	20,251	136	\$0.075	\$1,831	572	3.84	\$5.58	\$3,191	0	\$4.50	\$0
September	48	177	100%	15,693	70	\$0.077	\$1,608	635	2.82	\$4.44	\$2,819	0	\$4.50	\$0
October	260	29	100%	15,123	52	\$0.076	\$1,892	469	1.62	\$4.45	\$2,088	0	\$4.50	\$0
November	695	0	100%	12,561	18	\$0.076	\$1,140	224	0.32	\$4.88	\$1,092	0	\$4.50	\$0
December	1187	0	100%	12,971	11	\$0.072	\$1,148	210	0.18	\$5.00	\$1,050	0	\$4.50	\$0
1st half yr	2204	573		96,245	35	\$0.075	\$8,591	2,522	0.91	\$4.80	\$12,110	0	\$4.50	\$0
January	1236	0	100%	13,200	11	\$0.074	\$1,214	389	0.31	\$4.44	\$1,728	0	\$4.50	\$0
February	933	0	100%	11,834	13	\$0.078	\$1,220	383	0.41	\$4.56	\$1,746	0	\$4.50	\$0
March	919	0	100%	13,706	15	\$0.075	\$1,421	293	0.32	\$5.24	\$1,534	0	\$4.50	\$0
April	650	0	100%	11,760	18	\$0.080	\$1,216	286	0.44	\$5.09	\$1,456	0	\$4.50	\$0
May	64	127	100%	14,922	78	\$0.080	\$2,834	154	0.81	\$4.75	\$731	0	\$4.50	\$0
June	4	224	100%	17,689	78	\$0.080	\$2,008	235	1.03	\$5.15	\$1,211	0	\$4.50	\$0
2nd half yr	3806	351		83,111	20	\$0.078	\$9,913	1,740	0.42	\$4.83	\$8,406	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>179,356</b>	<b>26</b>	<b>\$0.076</b>	<b>\$23,465</b>	<b>4,262</b>	<b>0.61</b>	<b>\$4.81</b>	<b>\$20,516</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1965 Energy Consumption to BTU Conversions

BTUs x 1,000

Electricity = KWH X 3413

612,142

Natural Gas = MCF X 102,500

436,840

Fuel Oil = Gallons X 138,700

0

Other Fuel

0

TOTAL BTUs x 1,000

1,048,982

Energy Utilization Index =

Total BTU Consumption/Yr 1,048,982,268

Gross Area (ft) 2 36,400

THERMS

Divided by 100,000 = 0.2882

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	0	232	100%	7,822	34	\$0.075	\$590	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	8,651	58	\$0.075	\$649	9	0.06	\$7.46	0	\$4.50	\$0
September	48	177	100%	8,816	39	\$0.077	\$677	30	0.13	\$7.46	0	\$4.50	\$0
October	260	29	100%	8,817	31	\$0.076	\$669	161	0.56	\$7.46	0	\$4.50	\$0
November	695	0	100%	9,489	14	\$0.076	\$721	430	0.62	\$7.46	0	\$4.50	\$0
December	1187	0	100%	9,061	8	\$0.072	\$652	734	0.62	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		52,656	19	\$0.075	\$3,958	1,363	0.49	\$7.46	0	\$4.50	\$0
January	1236	0	100%	9,309	8	\$0.074	\$686	764	0.62	\$7.46	0	\$4.50	\$0
February	933	0	100%	8,449	9	\$0.078	\$661	577	0.62	\$7.46	0	\$4.50	\$0
March	919	0	100%	9,238	10	\$0.075	\$689	568	0.62	\$7.46	0	\$4.50	\$0
April	650	0	100%	8,615	13	\$0.080	\$687	402	0.62	\$7.46	0	\$4.50	\$0
May	64	127	100%	8,998	47	\$0.080	\$723	40	0.21	\$7.46	0	\$4.50	\$0
June	4	224	100%	8,215	36	\$0.080	\$660	2	0.01	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		52,824	13	\$0.078	\$4,106	2,354	0.57	\$7.46	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>105,480</b>	<b>15</b>	<b>\$0.076</b>	<b>\$8,063</b>	<b>3,717</b>	<b>0.54</b>	<b>\$7.46</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1982

Energy Consumption to BTU Conversions

BTU's x 1,000

360,003

Electricity = KWH X 3413

3,717,039

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

4,077,042

Energy Utilization Index =

Total BTU Consumption/Yr

4,077,042,040

Gross Area (ft) 2

41,140

Divided by 100,000 =

0.9910

THERMS

ENERGY COST / SQ. FT. / YEAR \$0.87  
 WATER COST TOTAL/YEAR \$14,483  
 WATER / SQ. FT. / YEAR \$0.35  
 UTILITY COST/YEAR \$50,264

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	0	232	100%	11,395	49	\$0.075	\$859	0	0.00	\$0.00	\$161	0	\$4.50	\$0
August	14	135	100%	7,481	50	\$0.075	\$561	0	0.00	\$0.00	\$161	0	\$4.50	\$0
September	48	177	100%	7,795	35	\$0.077	\$599	0	0.00	\$0.00	\$162	0	\$4.50	\$0
October	260	29	100%	6,345	22	\$0.076	\$482	0	0.00	\$0.00	\$161	0	\$4.50	\$0
November	695	0	100%	6,345	9	\$0.076	\$482	0	0.00	\$0.00	\$161	0	\$4.50	\$0
December	1187	0	100%	6,576	6	\$0.072	\$473	0	0.00	\$0.00	\$161	0	\$4.50	\$0
1st half yr	2204	573		45,937	17	\$0.075	\$3,456	0	0.00	\$0.00	\$968	0	\$4.50	\$0
January	1236	0	100%	6,000	5	\$0.074	\$442	0	0.00	\$0.00	\$92	0	\$4.50	\$0
February	933	0	100%	5,314	6	\$0.078	\$416	0	0.00	\$0.00	\$93	0	\$4.50	\$0
March	919	0	100%	6,772	7	\$0.075	\$505	0	0.00	\$0.00	\$93	0	\$4.50	\$0
April	650	0	100%	5,275	8	\$0.080	\$420	0	0.00	\$0.00	\$93	0	\$4.50	\$0
May	64	127	100%	5,269	28	\$0.080	\$423	0	0.00	\$0.00	\$114	0	\$4.50	\$0
June	4	224	100%	6,493	28	\$0.080	\$522	0	0.00	\$0.00	\$114	0	\$4.50	\$0
2nd half yr	3806	351		35,123	8	\$0.078	\$2,728	0	0.00	\$0.00	\$599	0	\$4.50	\$0
TOTAL/YEAR	6010	924		81,060	12	\$0.076	\$6,184	0	0.00	\$3.47	\$1,566	0	\$4.50	\$0

Building Data: 1955 Energy Consumption to BTU Conversions

Gross Area (ft)2	20,533	Electricity = KWH X 3413	BTU's x 1,000	276,658
Gross Volume (ft)3	164,264	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	276,658	

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{276,657,780}{20,533}$$

$$\text{Divided by 100,000} = 0.1347 \text{ THERMS}$$

ENERGY COST / SQ. FT. / YEAR	\$0.38
WATER COST TOTAL/YEAR	\$1,570
WATER / SQ. FT. / YEAR	\$0.08
UTILITY COST/YEAR	\$9,320

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	0	232	100%	133,317	575	\$0.075	\$10,051	0	0.00	\$7.46	\$0	0	\$4.50	\$0
August	14	135	100%	145,955	980	\$0.075	\$10,948	29	0.19	\$7.46	\$216	0	\$4.50	\$0
September	48	177	100%	134,022	596	\$0.077	\$10,297	100	0.44	\$7.46	\$742	0	\$4.50	\$0
October	260	29	100%	131,425	455	\$0.076	\$9,979	539	1.87	\$7.46	\$4,020	0	\$4.50	\$0
November	695	0	100%	145,065	209	\$0.076	\$11,017	1,441	2.07	\$7.46	\$10,747	0	\$4.50	\$0
December	1187	0	100%	132,406	112	\$0.072	\$9,521	2,461	2.07	\$7.46	\$18,354	0	\$4.50	\$0
1st half yr	2204	573		822,190	296	\$0.075	\$61,813	4,570	1.65	\$7.46	\$34,080	0	\$4.50	\$0
January	1236	0	100%	129,056	104	\$0.074	\$9,508	2,563	2.07	\$7.46	\$19,112	0	\$4.50	\$0
February	933	0	100%	127,297	136	\$0.078	\$9,957	1,935	2.07	\$7.46	\$14,427	0	\$4.50	\$0
March	919	0	100%	139,661	152	\$0.075	\$10,421	1,906	2.07	\$7.46	\$14,210	0	\$4.50	\$0
April	650	0	100%	133,852	206	\$0.080	\$10,670	1,348	2.07	\$7.46	\$10,051	0	\$4.50	\$0
May	64	127	100%	137,280	719	\$0.080	\$11,030	133	0.69	\$7.46	\$990	0	\$4.50	\$0
June	4	224	100%	129,117	566	\$0.080	\$10,374	8	0.04	\$7.46	\$62	0	\$4.50	\$0
2nd half yr	3806	351		796,263	192	\$0.078	\$61,959	7,892	1.90	\$7.46	\$58,851	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,618,453</b>	<b>233</b>	<b>\$0.076</b>	<b>\$123,772</b>	<b>12,462</b>	<b>1.80</b>	<b>\$7.46</b>	<b>\$92,930</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1973 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

Other Fuel

Gross Area (ft)2	137,930	5,523,780
Gross Volume (ft)3	1,103,440	12,462,109
General Notes:		
		0
		0
		17,985,889

Energy Utilization Index =

Total BTU Consumption/Yr 17,985,889,027

Gross Area (ft) 2 137,930

Divided by 100,000 = 1.3040 THERMS

ENERGY COST / SQ. FT. / YEAR	\$1.57
WATER COST TOTAL/YEAR	\$2,124
WATER / SQ. FT. / YEAR	\$0.02
UTILITY COST/YEAR	\$218,826



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	0	232	100%	142,159	613	\$0.075	\$10,718	112	0.48	\$7.21	\$807	0	\$4.50	\$0
August	14	135	100%	129,175	867	\$0.075	\$9,690	86	0.58	\$9.23	\$794	0	\$4.50	\$0
September	48	177	100%	114,025	507	\$0.077	\$8,760	99	0.44	\$7.67	\$759	0	\$4.50	\$0
October	260	29	100%	107,462	372	\$0.076	\$8,159	136	0.47	\$6.51	\$886	0	\$4.50	\$0
November	695	0	100%	66,555	96	\$0.076	\$5,054	159	0.23	\$5.71	\$908	0	\$4.50	\$0
December	1187	0	100%	67,308	57	\$0.072	\$4,840	265	0.22	\$4.73	\$1,252	0	\$4.50	\$0
1st half yr	2204	573		626,684	226	\$0.075	\$47,221	857	0.31	\$6.31	\$5,406	0	\$4.50	\$0
January	1236	0	100%	66,392	54	\$0.074	\$4,891	431	0.35	\$4.28	\$1,844	0	\$4.50	\$0
February	933	0	100%	59,052	63	\$0.078	\$4,619	362	0.39	\$4.51	\$1,633	0	\$4.50	\$0
March	919	0	100%	70,821	77	\$0.075	\$5,284	323	0.35	\$5.08	\$1,642	0	\$4.50	\$0
April	650	0	100%	65,608	101	\$0.080	\$5,230	293	0.45	\$5.00	\$1,465	0	\$4.50	\$0
May	64	127	100%	109,474	573	\$0.080	\$8,796	209	1.09	\$4.42	\$924	0	\$4.50	\$0
June	4	224	100%	141,065	619	\$0.080	\$11,334	216	0.95	\$5.57	\$1,203	0	\$4.50	\$0
2nd half yr	3806	351		512,412	123	\$0.078	\$40,154	1,834	0.44	\$4.75	\$8,711	0	\$4.50	\$0
TOTAL/YEAR	6010	924		1,139,096	164	\$0.076	\$87,375	2,691	0.39	\$5.25	\$14,117	0	\$4.50	\$0

Building Data: 1998 Energy Consumption to BTU Conversions

Gross Area (ft)2 38,614 Electricity = KWH X 3413 BTU's x 1,000 3,887,735

Gross Volume (ft)3 308,912 Natural Gas = MCF X 102,500 275,828 Energy Utilization Index =

General Notes: Fuel Oil = Gallons X 138,690 0 Total BTU Consumption/Yr 4,163,562,148  
 Other Fuel 0 Divided by 100,000 = 1.0783 THERMS  
 Gross Area (ft) 2 38,614

ENERGY COST / SQ. FT. / YEAR \$2.63  
 WATER COST TOTAL/YEAR \$7,511  
 WATER / SQ. FT. / YEAR \$0.19  
 UTILITY COST/YEAR \$109,003

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	0	232	100%	23,839	103	\$0.075	\$1,797	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	22,930	154	\$0.075	\$1,720	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	16,165	72	\$0.077	\$1,242	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	16,053	56	\$0.076	\$1,219	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	16,053	23	\$0.076	\$1,219	13	0.02	\$5.71	\$74	0	\$4.50	\$0
December	1187	0	100%	16,548	14	\$0.072	\$1,190	70	0.06	\$4.73	\$331	0	\$4.50	\$0
1st half yr	2204	573		111,588	40	\$0.075	\$8,387	83	0.03	\$4.88	\$405	0	\$4.50	\$0
January	1236	0	100%	16,375	13	\$0.074	\$1,206	205	0.17	\$4.28	\$877	0	\$4.50	\$0
February	933	0	100%	12,543	13	\$0.078	\$981	159	0.17	\$4.51	\$717	0	\$4.50	\$0
March	919	0	100%	14,709	16	\$0.075	\$1,098	119	0.13	\$5.08	\$605	0	\$4.50	\$0
April	650	0	100%	11,947	18	\$0.080	\$952	107	0.16	\$5.00	\$535	0	\$4.50	\$0
May	64	127	100%	12,942	68	\$0.080	\$1,040	22	0.12	\$4.42	\$97	0	\$4.50	\$0
June	4	224	100%	15,177	67	\$0.080	\$1,219	9	0.04	\$5.57	\$50	0	\$4.50	\$0
2nd half yr	3806	351		83,693	20	\$0.078	\$6,497	621	0.15	\$4.64	\$2,881	0	\$4.50	\$0
TOTAL/YEAR	6010	924		195,281	28	\$0.076	\$14,884	704	0.10	\$4.67	\$3,287	0	\$4.50	\$0

Building Data: 1956 Energy Consumption to BTU Conversions

Gross Area (ft)2 32,086 BTU's x 1,000 666,494

Gross Volume (ft)3 256,688 Electricity = KWH X 3413

General Notes: Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000 738,654

ENERGY COST / SQ. FT. / YEAR \$0.57  
 WATER COST TOTAL/YEAR \$2,068  
 WATER / SQ. FT. / YEAR \$0.06  
 UTILITY COST/YEAR \$20,238

Energy Utilization Index =

Total BTU Consumption/Yr 738,654,053  
 Gross Area (ft) 2 32,086

Divided by 100,000 = 0.2302 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	0	232	100%	91,242	393	\$0.075	\$6,879	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	101,548	682	\$0.075	\$7,617	24	0.16	\$7.46	0	\$4.50	\$0
September	48	177	100%	92,034	409	\$0.077	\$7,071	82	0.37	\$7.46	0	\$4.50	\$0
October	260	29	100%	82,893	287	\$0.076	\$6,294	446	1.54	\$7.46	0	\$4.50	\$0
November	695	0	100%	95,499	137	\$0.076	\$7,253	1,192	1.72	\$7.46	0	\$4.50	\$0
December	1187	0	100%	86,303	73	\$0.072	\$6,206	2,037	1.72	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		549,519	198	\$0.075	\$41,319	3,781	1.36	\$7.46	0	\$4.50	\$0
January	1236	0	100%	88,861	72	\$0.074	\$6,547	2,121	1.72	\$7.46	0	\$4.50	\$0
February	933	0	100%	80,199	86	\$0.078	\$6,273	1,601	1.72	\$7.46	0	\$4.50	\$0
March	919	0	100%	88,685	97	\$0.075	\$6,617	1,577	1.72	\$7.46	0	\$4.50	\$0
April	650	0	100%	79,350	122	\$0.080	\$6,325	1,115	1.72	\$7.46	0	\$4.50	\$0
May	64	127	100%	66,627	349	\$0.080	\$5,353	110	0.57	\$7.46	0	\$4.50	\$0
June	4	224	100%	99,075	435	\$0.080	\$7,960	7	0.03	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		502,797	121	\$0.078	\$39,075	6,530	1.57	\$7.46	0	\$4.50	\$0
TOTAL/YEAR	6010	924		1,052,316	152	\$0.076	\$80,395	10,311	1.49	\$7.46	0	\$4.50	\$0

Building Data:	1985	Energy Consumption to BTU Conversions	BTUs x 1,000
Gross Area (ft)2	114,126	Electricity = KWH X 3413	3,591,555
Gross Volume (ft)3	913,008	Steam = M (lbs) X 1,000,000	10,311,395
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTUs x 1,000	13,902,949

Energy Utilization Index =  $\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2}$  =  $\frac{13,902,949,017}{114,126}$

Divided by 100,000 = 1.2182 THERMS

ENERGY COST / SQ. FT. / YEAR \$1.38  
 WATER COST TOTAL/YEAR \$23,093  
 WATER / SQ. FT. / YEAR \$0.20  
 UTILITY COST/YEAR \$180,380

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	0	232	100%	1,386,395	5,976	\$0.075	\$104,524	0	0.00	\$7.46	0	\$4.50	\$0
August	14	135	100%	1,444,377	9,694	\$0.075	\$108,344	80	0.53	\$7.46	0	\$4.50	\$0
September	48	177	100%	1,329,042	5,907	\$0.077	\$102,107	273	1.21	\$7.46	0	\$4.50	\$0
October	260	29	100%	1,185,317	4,101	\$0.076	\$89,997	1,478	5.11	\$7.46	0	\$4.50	\$0
November	695	0	100%	1,120,953	1,613	\$0.076	\$85,130	3,951	5.68	\$7.46	0	\$4.50	\$0
December	1187	0	100%	1,047,981	883	\$0.072	\$75,359	6,747	5.68	\$7.46	0	\$4.50	\$0
1st half yr	2204	573		7,514,065	2,706	\$0.075	\$565,462	12,529	4.51	\$7.46	0	\$4.50	\$0
January	1236	0	100%	1,052,423	851	\$0.074	\$77,537	7,026	5.68	\$7.46	0	\$4.50	\$0
February	933	0	100%	967,457	1,037	\$0.078	\$75,669	5,304	5.68	\$7.46	0	\$4.50	\$0
March	919	0	100%	1,089,075	1,185	\$0.075	\$81,261	5,224	5.68	\$7.46	0	\$4.50	\$0
April	650	0	100%	1,086,432	1,671	\$0.080	\$86,602	3,695	5.68	\$7.46	0	\$4.50	\$0
May	64	127	100%	1,462,341	7,656	\$0.080	\$117,493	364	1.90	\$7.46	0	\$4.50	\$0
June	4	224	100%	1,461,726	6,411	\$0.080	\$117,443	23	0.10	\$7.46	0	\$4.50	\$0
2nd half yr	3806	351		7,119,454	1,713	\$0.078	\$556,005	21,635	5.20	\$7.46	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>14,633,519</b>	<b>2,110</b>	<b>\$0.076</b>	<b>\$1,121,468</b>	<b>34,164</b>	<b>4.93</b>	<b>\$7.46</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data: 1976 Energy Consumption to BTU Conversions

BTUs x 1,000  
49,944,200

Electricity = KWH X 3413

Energy Utilization Index =

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

Total BTU Consumption/Yr 84,107,979,205

Gross Area (ft) 2 378,123

Fuel Oil = Gallons X 138,690

Divided by 100,000 =

2.2244 THERMS

Other Fuel

TOTAL BTUs x 1,000 84,107,979

ENERGY COST / SQ. FT. / YEAR \$3.64  
 WATER COST TOTAL/YEAR \$308,588  
 WATER / SQ. FT. / YEAR \$0.82  
 UTILITY COST/YEAR \$1,684,817

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	0	232	100%	77,070	332	\$0.139	\$10,744	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	76,120	511	\$0.137	\$10,402	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	46,400	206	\$0.138	\$6,381	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	96,630	334	\$0.123	\$11,877	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	102,660	148	\$0.109	\$11,144	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1187	0	100%	232,860	196	\$0.102	\$23,860	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2204	573		631,740	227	\$0.125	\$74,408	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1236	0	100%	156,710	127	\$0.105	\$16,508	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	933	0	100%	83,470	89	\$0.114	\$9,554	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	919	0	100%	129,960	141	\$0.130	\$16,847	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	650	0	100%	79,360	122	\$0.137	\$10,841	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	64	127	100%	36,350	190	\$0.144	\$5,235	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	4	224	100%	52,480	230	\$0.143	\$7,490	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		538,330	129	\$0.129	\$66,474	0	0.00	\$0.00	\$0	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,170,070</b>	<b>169</b>	<b>\$0.127</b>	<b>\$140,882</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

Gross Area (ft)2 77,096 Electricity = KWH X 3413 BTU's x 1,000 3,993,449

Gross Volume (ft)3 616,768 Natural Gas = MCF X 102,500 0

General Notes: Fuel Oil = Gallons X 138,690 0  
 Other Fuel 0  
 Total BTU Consumption/Yr 3,993,448,910  
 Divided by 100,000 = 0.5180 THERMS  
 Gross Area (ft) 2 77,096

ENERGY COST / SQ. FT. / YEAR \$1.83  
 WATER COST TOTAL/YEAR \$11,382  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$152,264

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	0	232	100%	26,660	115	\$0.139	\$3,716	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	33,980	228	\$0.137	\$4,644	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	23,810	106	\$0.138	\$3,274	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	35,360	122	\$0.123	\$4,346	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	43,850	63	\$0.109	\$4,760	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1187	0	100%	86,540	73	\$0.102	\$8,867	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2204	573		250,200	90	\$0.125	\$29,608	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1236	0	100%	57,930	47	\$0.105	\$6,103	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	933	0	100%	39,610	42	\$0.114	\$4,534	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	919	0	100%	53,640	58	\$0.130	\$6,953	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	650	0	100%	36,520	56	\$0.137	\$4,989	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	64	127	100%	17,660	92	\$0.144	\$2,543	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	4	224	100%	23,880	105	\$0.143	\$3,408	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		229,240	55	\$0.129	\$28,530	0	0.00	\$0.00	\$0	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>479,440</b>	<b>69</b>	<b>\$0.127</b>	<b>\$58,137</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  
 1,636,329  
 Electricity = KWH X 3413  
 Natural Gas = MCF X 102,500  
 Fuel Oil = Gallons X 138,690  
 Other Fuel

Energy Utilization Index =

Total BTU Consumption/Yr 1,636,328,720  
 Gross Area (ft) 2 24,812

Divided by 100,000 = 0.6595 THERMS

ENERGY COST / SQ. FT. / YEAR \$2.34  
 WATER COST TOTAL/YEAR \$3,663  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$61,801

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	0	232	100%	5,100	22	\$0.139	\$711	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	5,350	36	\$0.137	\$731	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	4,490	20	\$0.138	\$617	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	7,920	27	\$0.123	\$973	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	11,100	16	\$0.109	\$1,205	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1187	0	100%	23,880	20	\$0.102	\$2,447	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2204	573		57,840	21	\$0.125	\$6,685	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1236	0	100%	16,760	14	\$0.105	\$1,766	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	933	0	100%	8,910	10	\$0.114	\$1,020	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	919	0	100%	14,000	15	\$0.130	\$1,815	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	650	0	100%	10,430	16	\$0.137	\$1,425	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	64	127	100%	5,140	27	\$0.144	\$740	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	4	224	100%	5,960	26	\$0.143	\$851	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		61,200	15	\$0.129	\$7,616	0	0.00	\$0.00	\$0	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>119,040</b>	<b>17</b>	<b>\$0.127</b>	<b>\$14,301</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: 1993

Energy Consumption to BTU Conversions

BTU's x 1,000

406,284

Electricity = KWH X 3413

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000

406,284

ENERGY COST / SQ. FT. / YEAR \$1.61  
 WATER COST TOTAL/YEAR \$1,313  
 WATER / SQ. FT. / YEAR \$0.15  
 UTILITY COST/YEAR \$15,614

Energy Utilization Index =

Total BTU Consumption/Yr 406,283,520

Gross Area (ft) 2 8,895

Divided by 100,000 =

0.4568

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	0	232	100%	10,331	45	\$0.139	\$1,440	8	0.03	\$17.77	\$133	0	\$4.50	\$0
August	14	135	100%	9,525	64	\$0.137	\$1,302	10	0.07	\$15.23	\$148	0	\$4.50	\$0
September	48	177	100%	8,195	36	\$0.138	\$1,127	13	0.06	\$13.06	\$174	0	\$4.50	\$0
October	260	29	100%	8,033	28	\$0.123	\$987	30	0.10	\$9.51	\$282	0	\$4.50	\$0
November	695	0	100%	8,267	12	\$0.109	\$897	112	0.16	\$8.70	\$976	0	\$4.50	\$0
December	1187	0	100%	6,145	5	\$0.102	\$630	256	0.22	\$6.39	\$1,636	0	\$4.50	\$0
1st half yr	2204	573		50,496	18	\$0.125	\$6,383	429	0.15	\$7.82	\$3,349	0	\$4.50	\$0
January	1236	0	100%	7,158	6	\$0.105	\$754	177	0.14	\$6.62	\$1,172	0	\$4.50	\$0
February	933	0	100%	9,062	10	\$0.114	\$1,037	102	0.11	\$7.16	\$730	0	\$4.50	\$0
March	919	0	100%	7,258	8	\$0.130	\$941	118	0.13	\$6.48	\$765	0	\$4.50	\$0
April	650	0	100%	10,261	16	\$0.137	\$1,402	61	0.09	\$7.63	\$468	0	\$4.50	\$0
May	64	127	100%	10,480	55	\$0.144	\$1,509	15	0.08	\$13.61	\$202	0	\$4.50	\$0
June	4	224	100%	12,885	57	\$0.143	\$1,839	4	0.02	\$33.53	\$131	0	\$4.50	\$0
2nd half yr	3806	351		57,105	14	\$0.129	\$7,482	477	0.11	\$7.27	\$3,467	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>107,601</b>	<b>16</b>	<b>\$0.127</b>	<b>\$13,865</b>	<b>906</b>	<b>0.13</b>	<b>\$7.53</b>	<b>\$6,816</b>	<b>0</b>	<b>\$4.50</b>	<b>\$0</b>

Building Data:	2000	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	6,593	Electricity = KWH X 3413	367,241
Gross Volume (ft)3	52,744	Natural Gas = MCF X 102,500	92,834
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	460,076

ENERGY COST / SQ. FT. / YEAR	\$3.14
WATER COST TOTAL/YEAR	\$6,126
WATER / SQ. FT. / YEAR	\$0.93
UTILITY COST/YEAR	\$26,807

Energy Utilization Index =  
 Total BTU Consumption/Yr 460,075,705  
 Gross Area (ft) 2 6,593  
 Divided by 100,000 = 0.6978 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	0	232	100%	73,250	316	\$0.139	\$10,211	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	89,310	599	\$0.137	\$12,205	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	72,300	321	\$0.138	\$9,943	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	123,450	427	\$0.123	\$15,173	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	132,010	190	\$0.109	\$14,331	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1187	0	100%	266,020	224	\$0.102	\$27,258	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2204	573		756,340	272	\$0.125	\$89,120	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1236	0	100%	248,720	201	\$0.105	\$26,201	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	933	0	100%	164,070	176	\$0.114	\$18,779	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	919	0	100%	241,150	262	\$0.130	\$31,261	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	650	0	100%	151,400	233	\$0.137	\$20,682	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	64	127	100%	75,610	396	\$0.144	\$10,888	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	4	224	100%	97,810	429	\$0.143	\$13,959	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		978,760	235	\$0.129	\$121,770	0	0.00	\$0.00	\$0	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>1,735,100</b>	<b>250</b>	<b>\$0.127</b>	<b>\$210,889</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

Gross Area (ft)2	127,430	Electricity = KWH X 3413	BTU's x 1,000	5,921,896
Gross Volume (ft)3	1,019,440	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	5,921,896	

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{5,921,896,300}{127,430}$$

$$\text{Divided by 100,000} = \frac{0.4647}{\text{THERMS}}$$

ENERGY COST / SQ. FT. / YEAR	\$1.65
WATER COST TOTAL/YEAR	\$18,814
WATER / SQ. FT. / YEAR	\$0.15
UTILITY COST/YEAR	\$229,703

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	0	232	100%	136,428	588	\$0.139	\$19,018	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	138,543	930	\$0.137	\$18,933	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	91,915	409	\$0.138	\$12,640	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	72,516	251	\$0.123	\$8,913	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	23,202	33	\$0.109	\$2,519	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1187	0	100%	47,746	40	\$0.102	\$4,892	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2204	573		510,350	184	\$0.125	\$66,915	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1236	0	100%	47,957	39	\$0.105	\$5,052	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	933	0	100%	35,633	38	\$0.114	\$4,078	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	919	0	100%	19,025	21	\$0.130	\$2,466	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	650	0	100%	51,007	78	\$0.137	\$6,968	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	64	127	100%	159,618	836	\$0.144	\$22,986	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	4	224	100%	162,144	711	\$0.143	\$23,140	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		475,384	114	\$0.129	\$64,690	0	0.00	\$0.00	\$0	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>985,734</b>	<b>142</b>	<b>\$0.127</b>	<b>\$131,605</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

14,881

3,364,311

Energy Utilization Index =

Total BTU Consumption/Yr 3,364,310,673

Gross Area (ft) 2

14,881

2.2608 THERMS

General Notes:

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

0

3,364,311

ENERGY COST / SQ. FT. / YEAR \$8.84  
 WATER COST TOTAL/YEAR \$13,343  
 WATER / SQ. FT. / YEAR \$0.90  
 UTILITY COST/YEAR \$144,948

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	0	232	100%	40,760	176	\$0.139	\$5,682	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	14	135	100%	49,090	329	\$0.137	\$6,708	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	48	177	100%	39,380	175	\$0.138	\$5,416	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	260	29	100%	64,290	222	\$0.123	\$7,902	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	695	0	100%	71,440	103	\$0.109	\$7,755	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	1187	0	100%	131,160	110	\$0.102	\$13,439	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2204	573		396,120	143	\$0.125	\$46,902	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1236	0	100%	105,840	86	\$0.105	\$11,150	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	933	0	100%	64,910	70	\$0.114	\$7,429	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	919	0	100%	97,320	106	\$0.130	\$12,616	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	650	0	100%	72,770	112	\$0.137	\$9,941	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	64	127	100%	52,880	277	\$0.144	\$7,615	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	4	224	100%	63,420	278	\$0.143	\$9,051	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3806	351		457,140	110	\$0.129	\$57,801	0	0.00	\$0.00	\$0	0	\$4.50	\$0
<b>TOTAL/YEAR</b>	<b>6010</b>	<b>924</b>		<b>853,260</b>	<b>123</b>	<b>\$0.127</b>	<b>\$104,703</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: 1974 Energy Consumption to BTU Conversions  
 BTU's x 1,000  
 Gross Area (ft)2 30,601 Electricity = KWH X 3413 2,912,176  
 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 2,912,176

ENERGY COST / SQ. FT. / YEAR \$3.42  
 WATER COST TOTAL/YEAR \$5,608  
 WATER / SQ. FT. / YEAR \$0.18  
 UTILITY COST/YEAR \$110,312

Energy Utilization Index =  
 Total BTU Consumption/Yr 2,912,176,380  
 Gross Area (ft) 2 30,601  
 Divided by 100,000 = 0.9517 THERMS