

# Energy Summary

The University of Toledo

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

2012



THE UNIVERSITY OF  
**TOLEDO**  
1872





# ENERGY SUMMARY

## FISCAL YEAR 2012

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

### PREPARED BY

Michael Green, P.E.  
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## FY2012 ENERGY SUMMARY

The University of Toledo had an excellent energy year. The energy consumption for FY12 was 8.2% less than FY11. The total heating days were down 21%, the cooling degree days were up 5.6%. The overall energy use was reduced by 8.2%

### Electric Usage

The combined campus electric cost has been reduced by 16.6% due to the electric rate bid that Began at the end of FY2012. The University's total electric use is 2.2% lower from FY2011 to FY2012 despite the extreme weather conditions from this past spring.

- Main Campus was reduced 1.9%
- Scott Park Campus was reduced 13.6%
- Health Science Campus increased by 1.9%



### Natural Gas Usage

The combined campus natural gas usage has been reduced by 24.3%. Our cost reduction exceeded these percentages due to favorable pricing.

- Main Campus was reduced 11.2%
- Health Science Campus was reduced by 37.3%
- Scott Park Campus for Energy and Innovation is all electric

### Steam Usage

The combined campus steam production has been reduced by 21.4% exceeding the total heating degree days percent decrease.

- Main Campus was reduced 13.4%
- Health Science Campus was reduced 30.1%
- Scott Park Campus for Energy and Innovation is all electric

### Water & Storm Usage

The University's total water and storm usage remained flat despite a cost increase of approximately 10% per year.





## FY2012 SUPPLEMENTAL INFORMATION

Our list of accomplishments is impressive. Most true successes are achieved thru partnering. Thanks to the deans, professors, contractors, architects, engineers, the City of Toledo and students, who participated in the Do More Campaign and add to our accomplishments:

- Construction of Algae Research Center on the Scott Park Campus  
(Sridhar Viamajala, Ph.D., Assistant Professor—College of Engineering)
- Completion of exterior LED lighting  
(James Graff, Director—Facilities Operations)
- Cogeneration gas/electric heating and cooling plant at the Computer Center on the Main Campus  
(Chuck Lehnert—Vice President, Office of Administration)
- Boiler 5 installed at the Health Science Campus  
(UT Energy Management Team)
- Carbon monoxide capture project at coal plant with Stanford Research Institute  
(Lloyd A. Jacobs, M.D., President—The University of Toledo)
- Upgrading campus metering system for improved energy management and proactive maintenance  
(Harvey Vershum, Energy Director—Retired)
- Student Concept to Creation Senior Design Project | Project: Relighting MIME Engineering Machine Shop  
(John Jaegly, Engineering Lab Supervisor and Dr. Nagi Naganathan, Dean—College of Engineering)
- Student senior design rain water collection white paper on system water use  
(Defne Apul, Ph.D., Associate Professor—College of Engineering)



## FY2012 SUPPLEMENTAL INFORMATION

- City of Toledo Composting Feasibility Grant  
(Lloyd A. Jacobs, M.D., President—The University of Toledo and Hon. Michael Bell, Mayor—City of Toledo)
- Several First Energy Rebate checks that were rolled back into future energy reduction lighting projections  
(UT Energy Management Team)



Overall, FY2012 energy costs were at \$12.1 million vs. FY2011 at \$12.6 million, this is due largely in part to a reduction in energy use and costs. Our Energy Utilization Index (EUI) is below our 2004 EUI which is a remarkable achievement given the complexity of our systems and amount of lab space and University Growth. The Health Science Campus use is slightly up while the costs are down. We remain challenged in achieving the Governor's 20% reduction mandate. Given the budget challenges, The University of Toledo has again exceeded in its overall energy management goals while dealing with the extreme daily weather conditions. The University of Toledo Energy Management Team is aggressively pursuing energy reduction projects based on the 2009 energy assessment. Thanks to all who have contributed toward the University's goal of carbon neutrality.

## FY2013 ENERGY OUTLOOK

The University of Toledo's projected square footage will increase in FY13 with the Simulation Center addition and Medical Mall coming online. The electric and gas rate are lower for FY14 due to strong bid language. Steam production efficiency is projected to improve another 10% due to new equipment and further improved processes.

### Upcoming Sustainable and Energy Related Projects

- Main Campus Cogeneration Plant at the Computer Center | Partially complete
- Health Science Campus and Medical Center chilled water pumping | Partially complete
- UT daily electrical metering | Partially complete
- UT steam and chilled water metering | In progress
- Main Campus steam and chilled water line extension project | In progress
- UT Energy Reduction Project (T12s to T8s and pneumatic stats to DDC with motion sensors) | Partially complete
- UT LEED silver 4 projects | In progress
- UT and City of Toledo Composting Feasibility Study | In progress
- Health Science Campus Boiler 6 project | In progress
- UT SEED (sustainability, energy efficiency and design) initiative and interactive educational website | In progress
- UT State Energy Reporting for Governor's 20% reduction mandate
- UT 1 Energy Star compliant building
- UT rebates (UT Energy Management Team and PlugSmart) | In Progress
- UT Grid Balancing with PJM | Design
- UT Westerville Fuel Energy Fuel Cell opportunity | Design



### Student Centered Projects

- UT Student Sustainability Project (Friday Night Lights, Blackout, Campus National Conservation) | In progress
- UT Bike Share | Pursuing grants

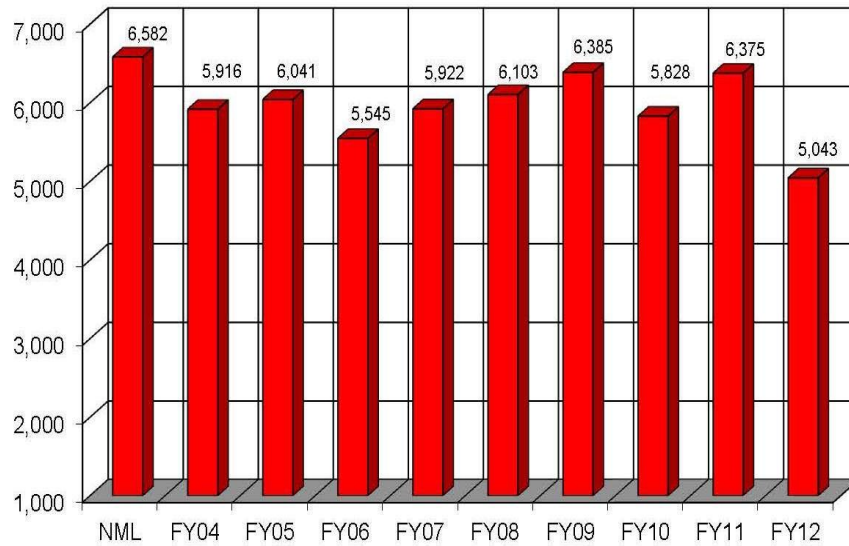
## FY2013 ENERGY OUTLOOK

The University is working to meet the Governor's 20% energy reduction mandate. The energy management group has requested the further funding to do campus wide energy conservation projects that will achieve this goal and will pursue it diligently with the given funds in FY2013. The meter starts July 1, 2013 (FY2014) and while we are behind in energy reduction to achieve the 20% benchmark, we have several projects underway to assist the University in moving toward the Governor's energy reduction target.

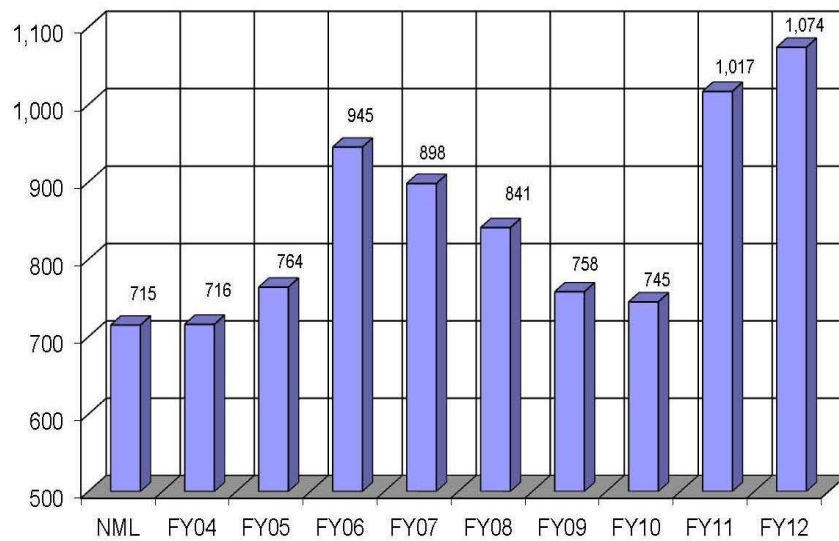


# YEARLY DEGREE DAY SUMMARY

## HEATING DEGREE DAYS



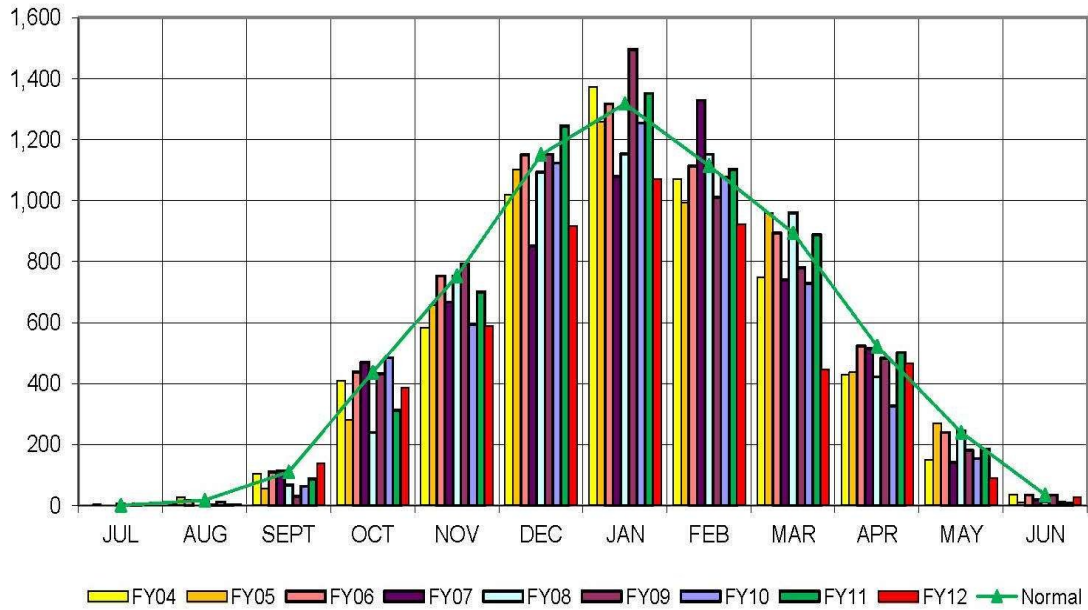
## COOLING DEGREE DAYS



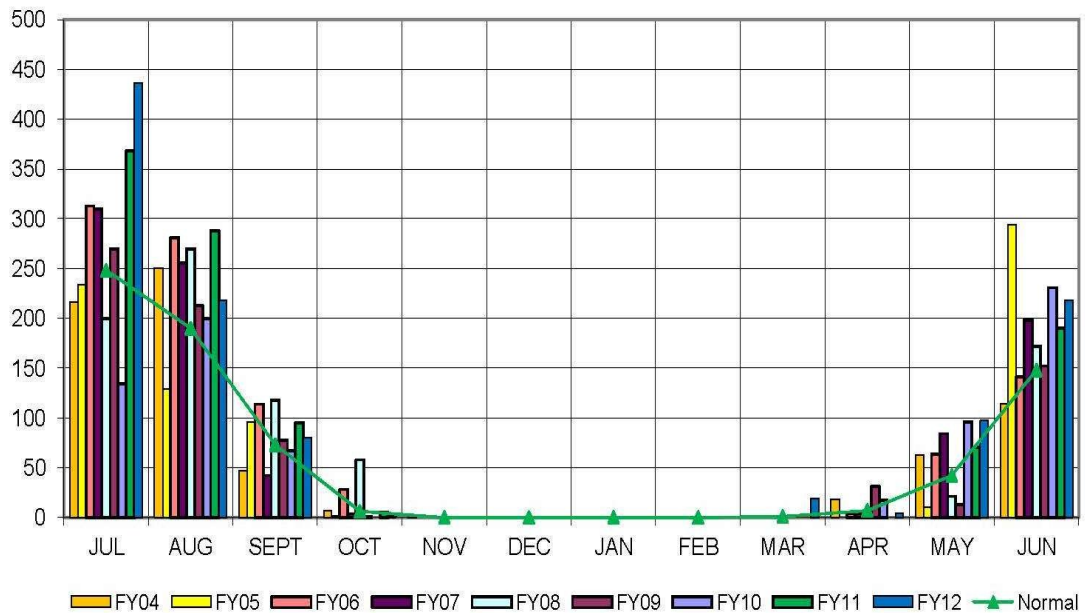


# MONTHLY DEGREE DAY SUMMARY

## HEATING DEGREE DAYS

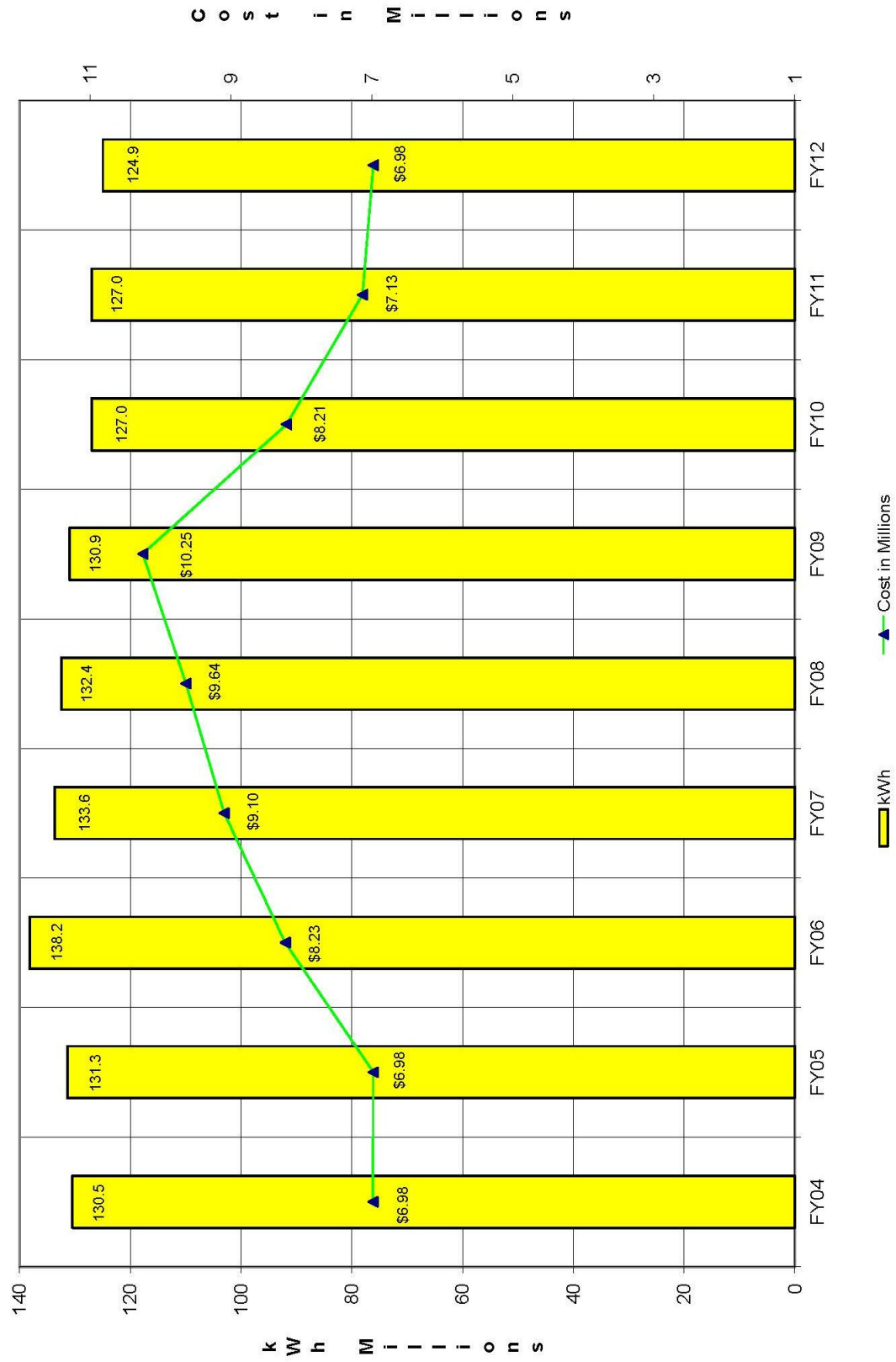


## COOLING DEGREE DAYS



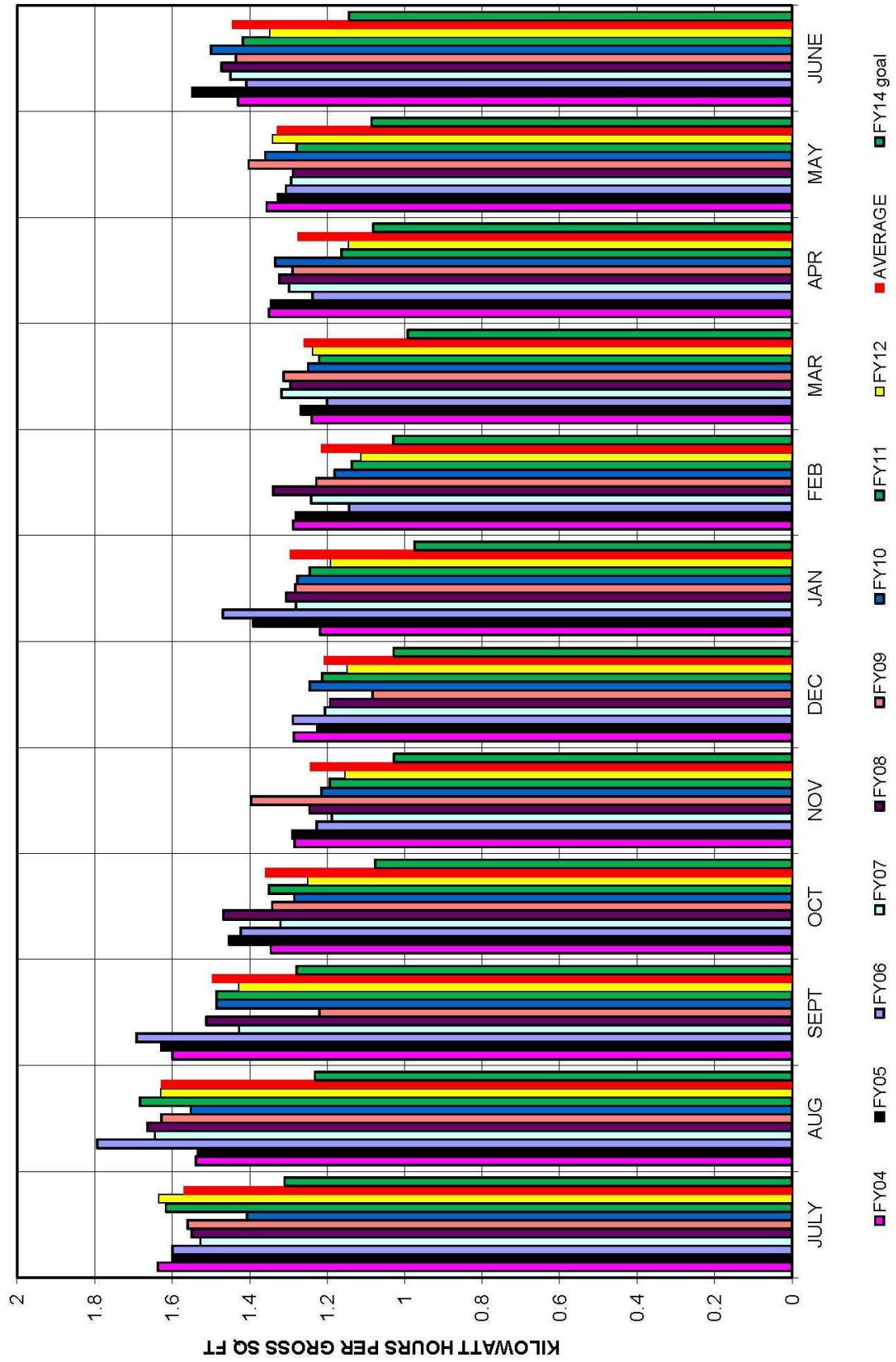


# UT ALL CAMPUSES YEARLY SUBSTATION with COST ROLL UP



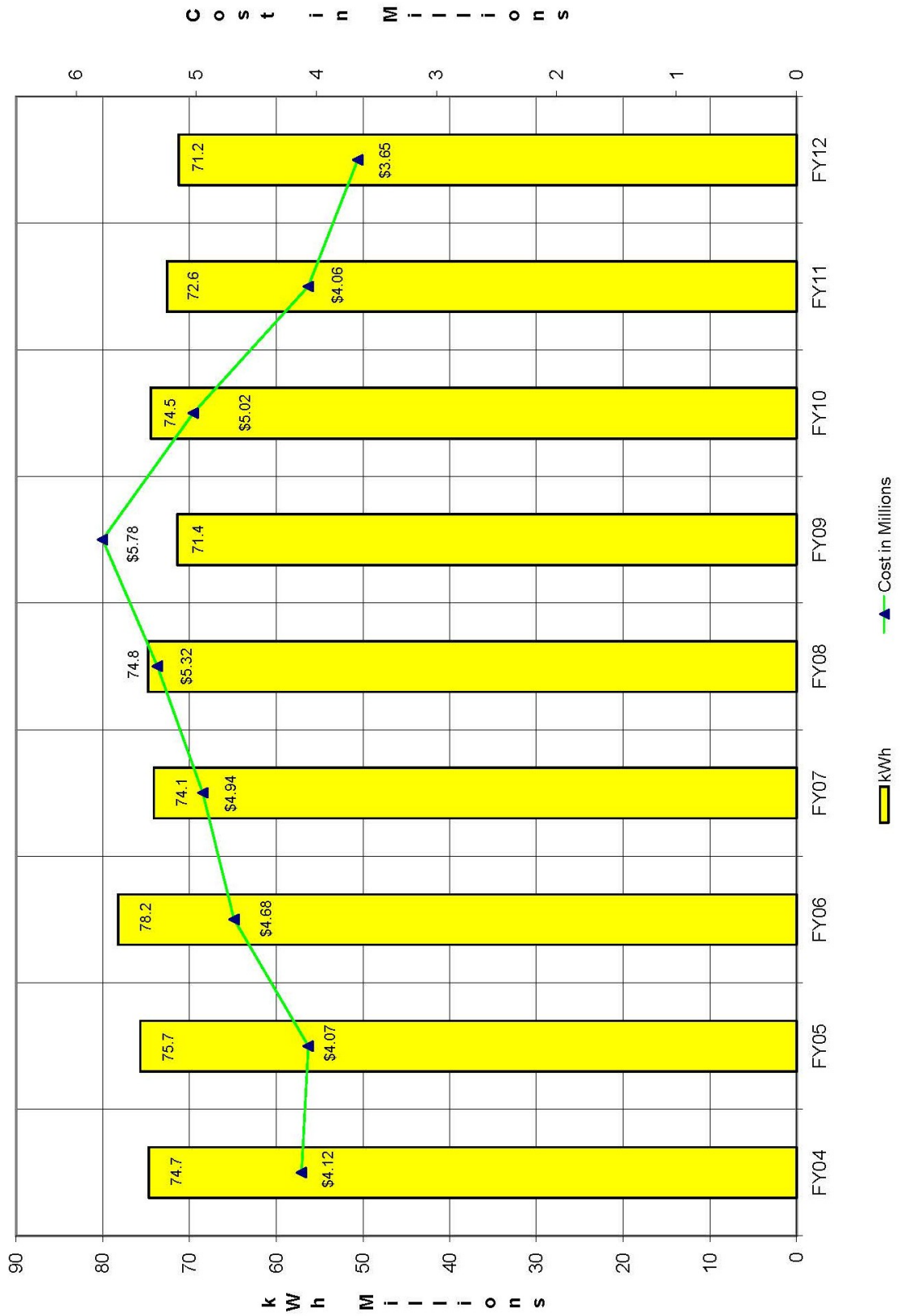


# UT ALL CAMPUSES MONTHLY SUBSTATION



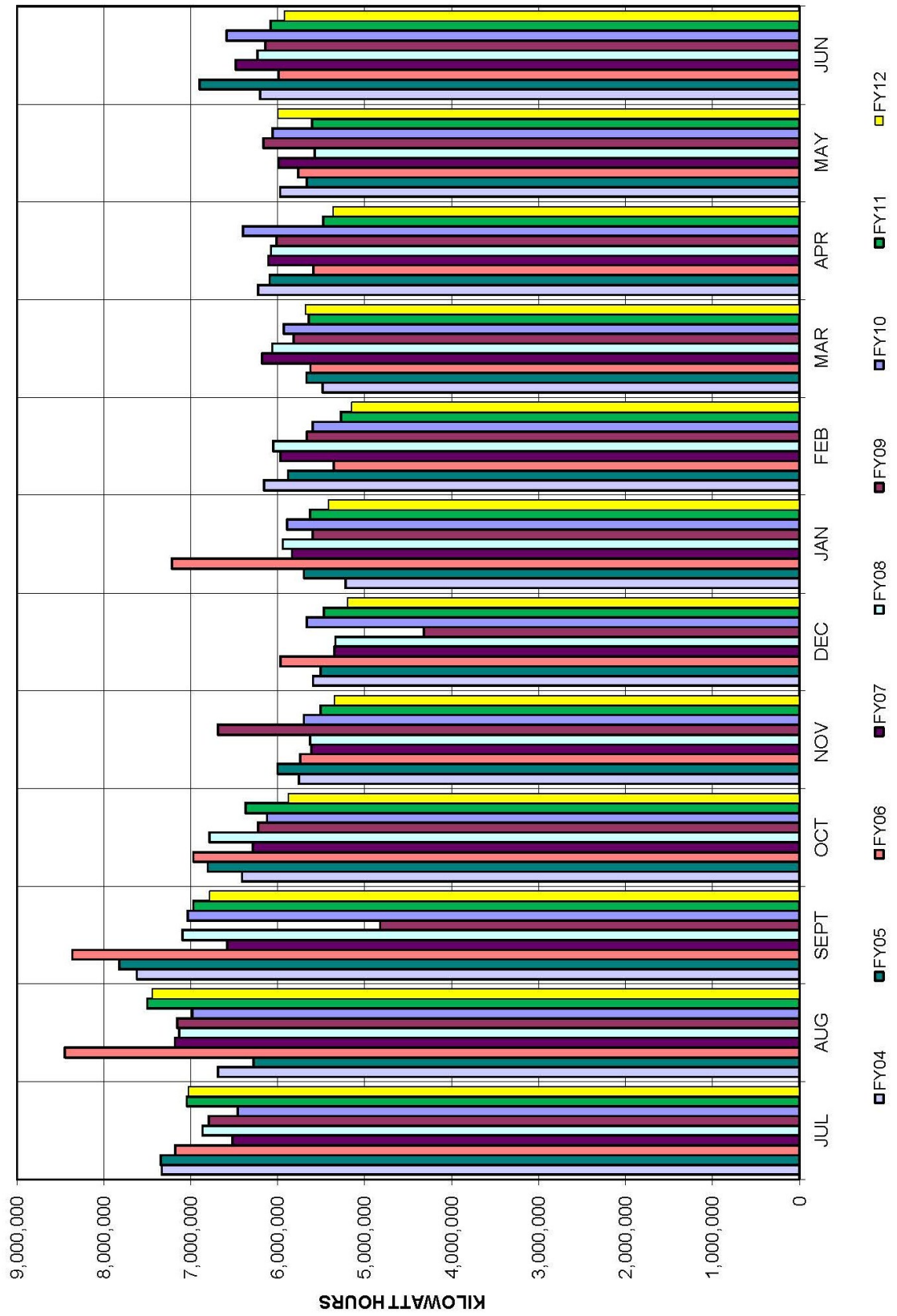


# MAIN CAMPUS YEARLY SUBSTATION with COST



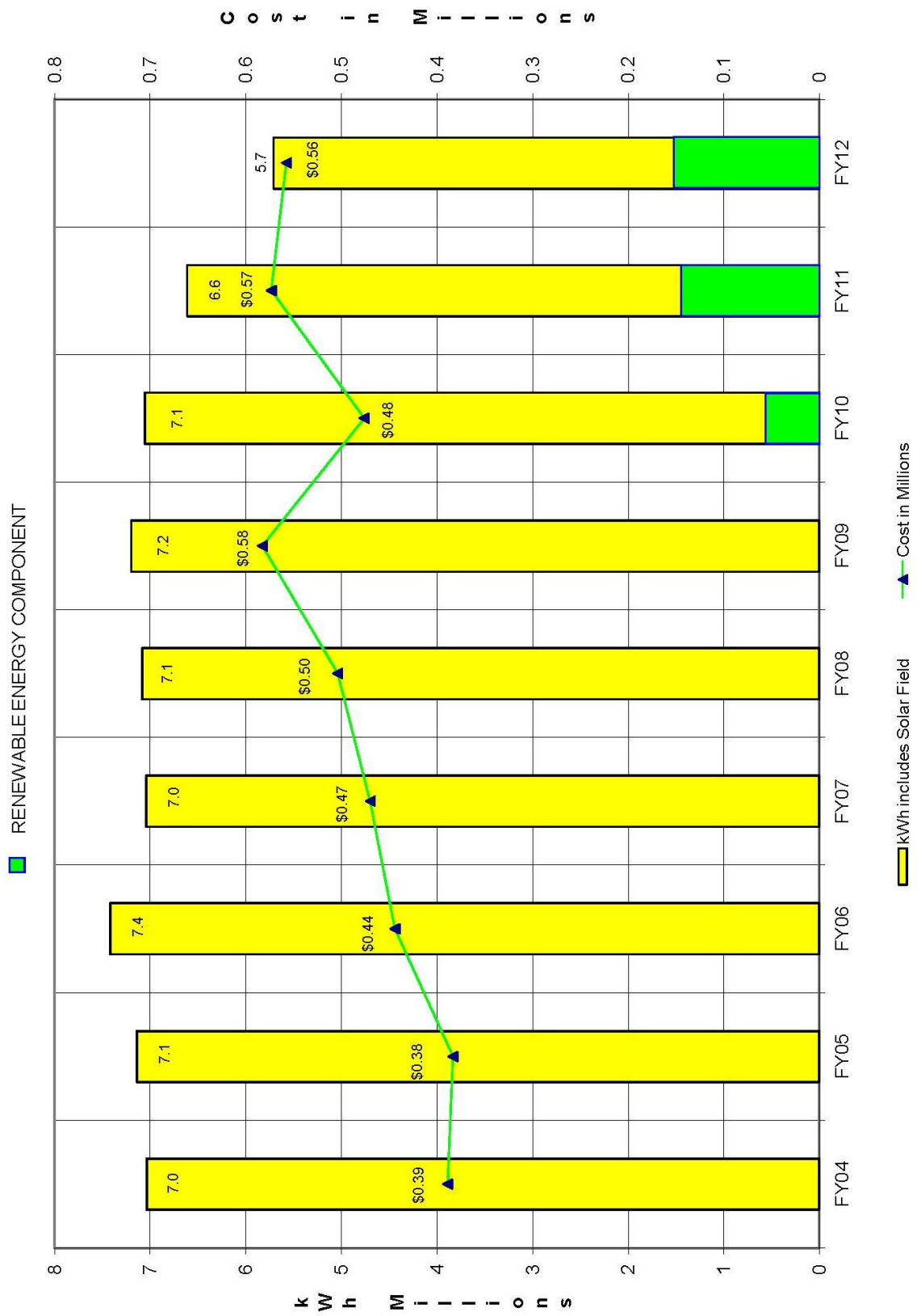


# MAIN CAMPUS MONTHLY SUBSTATION



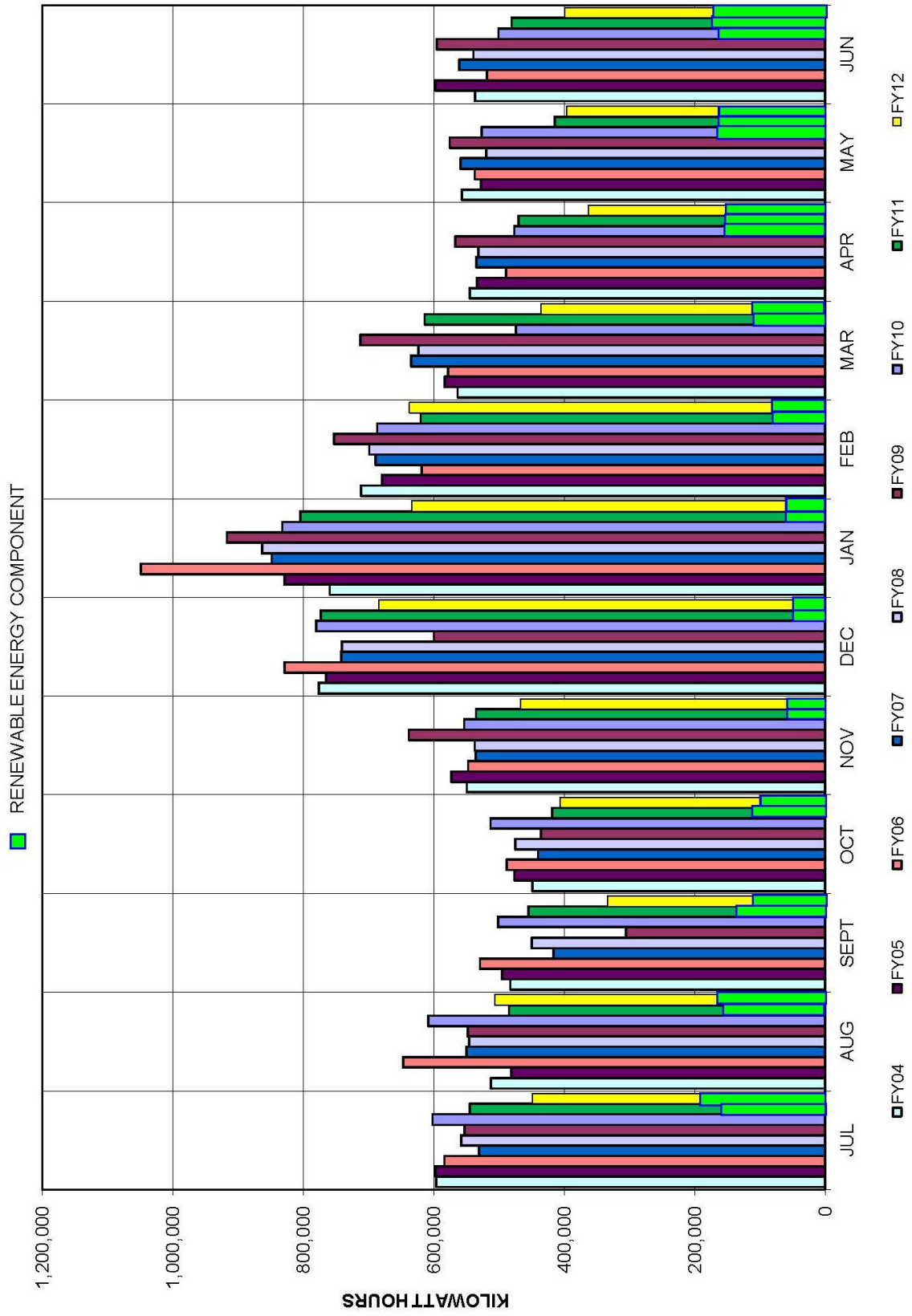


# SCOTT PARK CAMPUS YEARLY SUBSTATION with COST



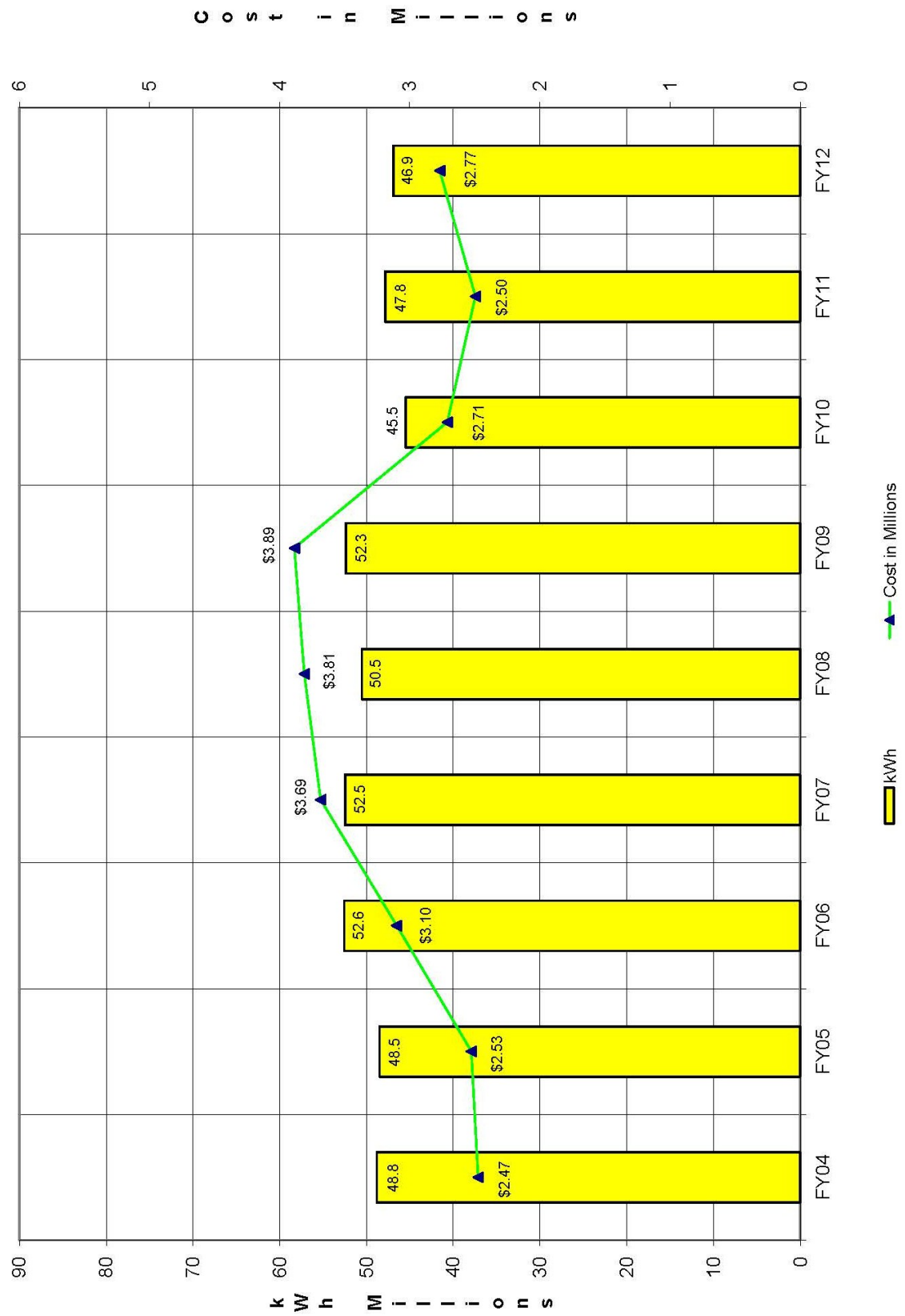


# SCOTT PARK CAMPUS MONTHLY SUBSTATION



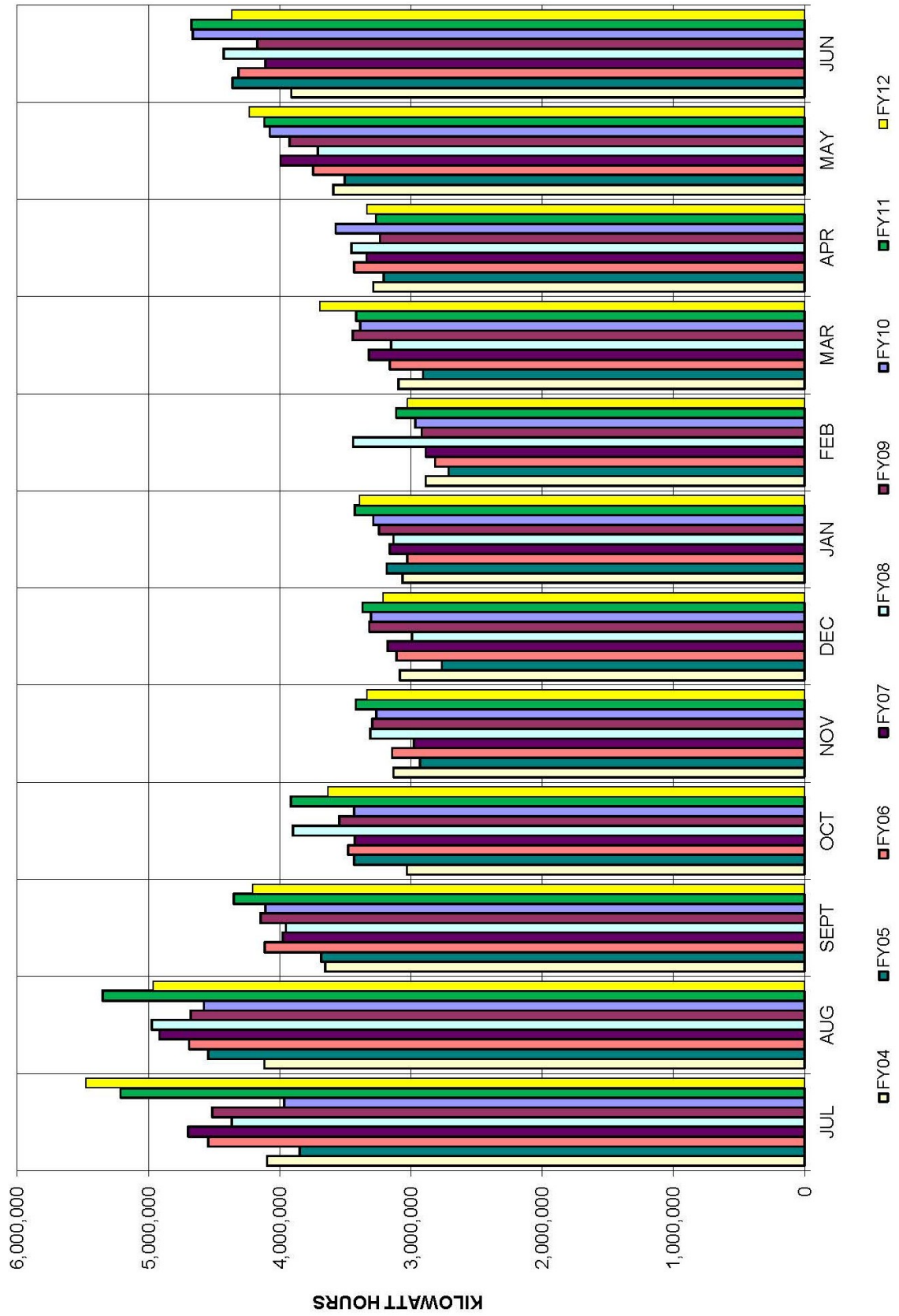


# HEALTH SCIENCE CAMPUS YEARLY SUBSTATION with COST



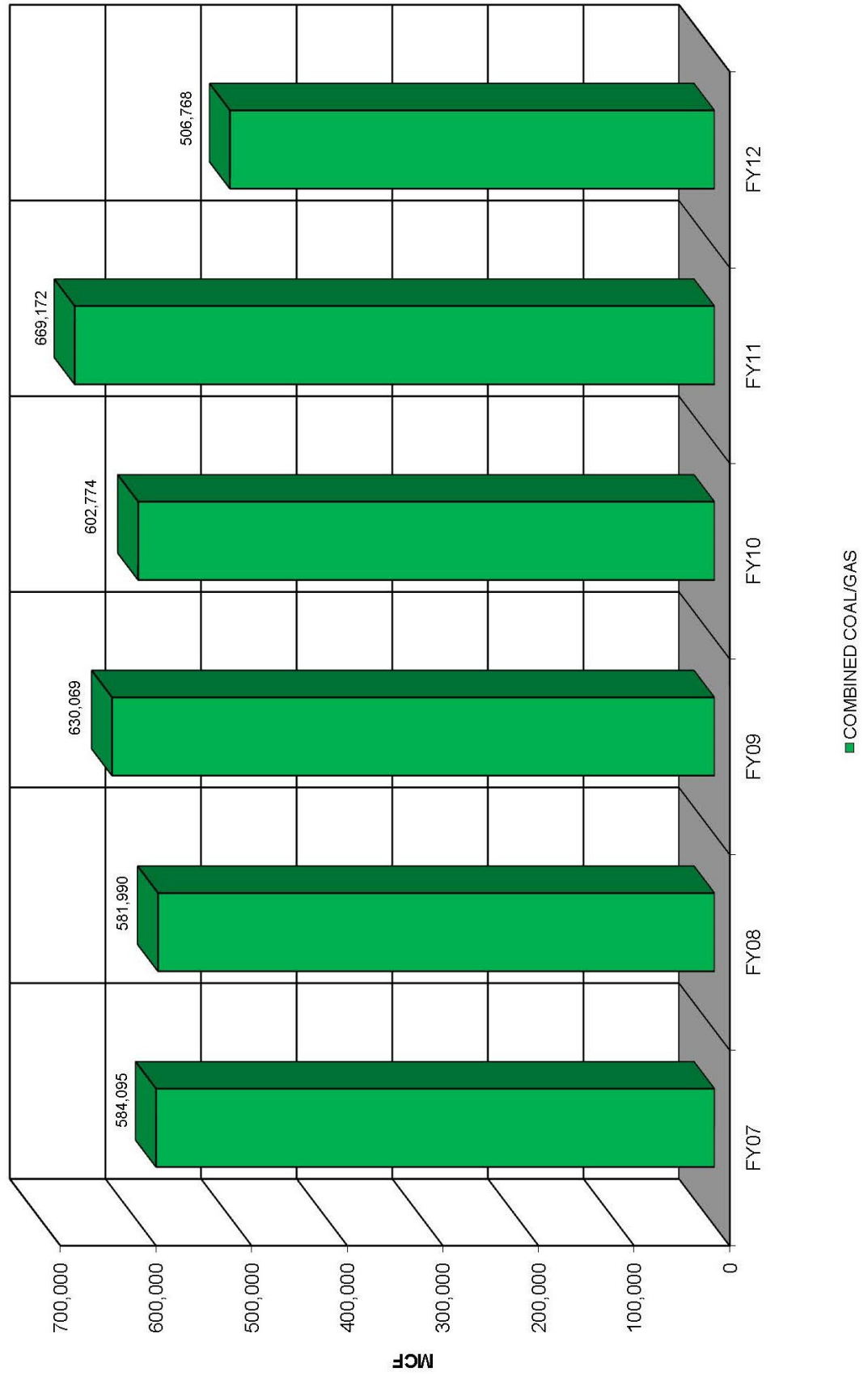


# HEALTH SCIENCE CAMPUS MONTHLY SUBSTATION



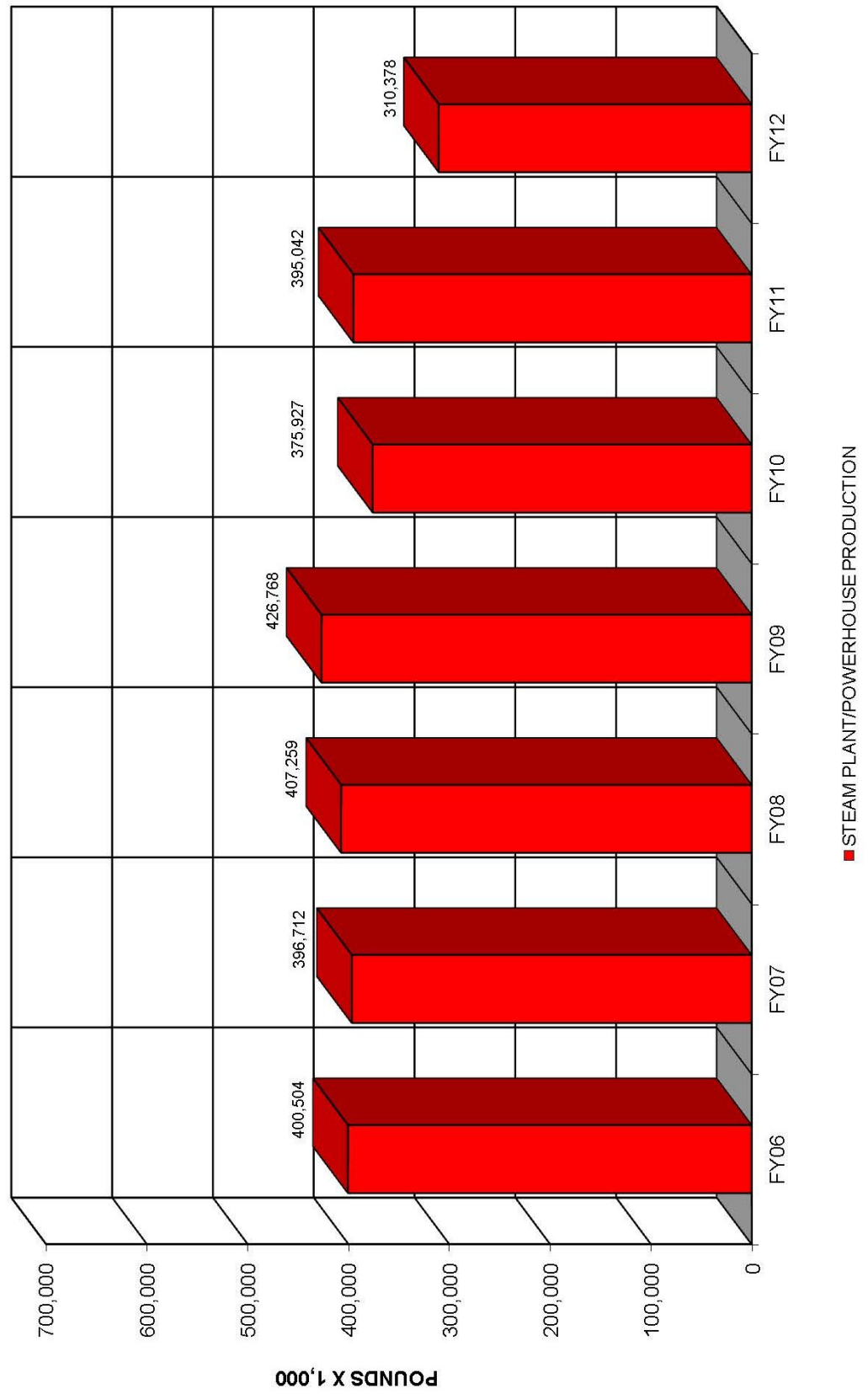


## UT ALL CAMPUSES YEARLY STEAM PLANT COMBINED COAL/GAS



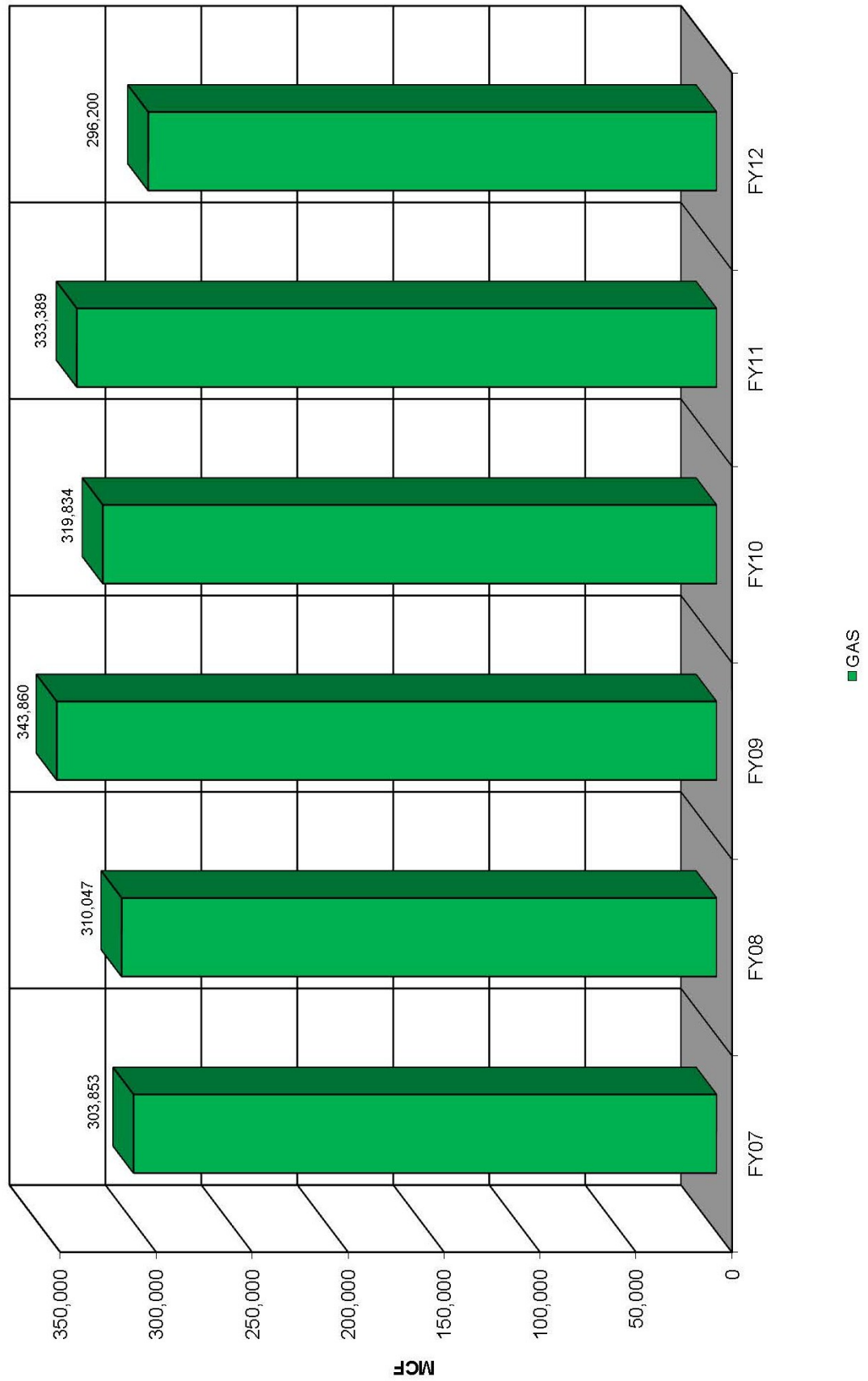


# UT ALL CAMPUSES YEARLY STEAM PRODUCTION



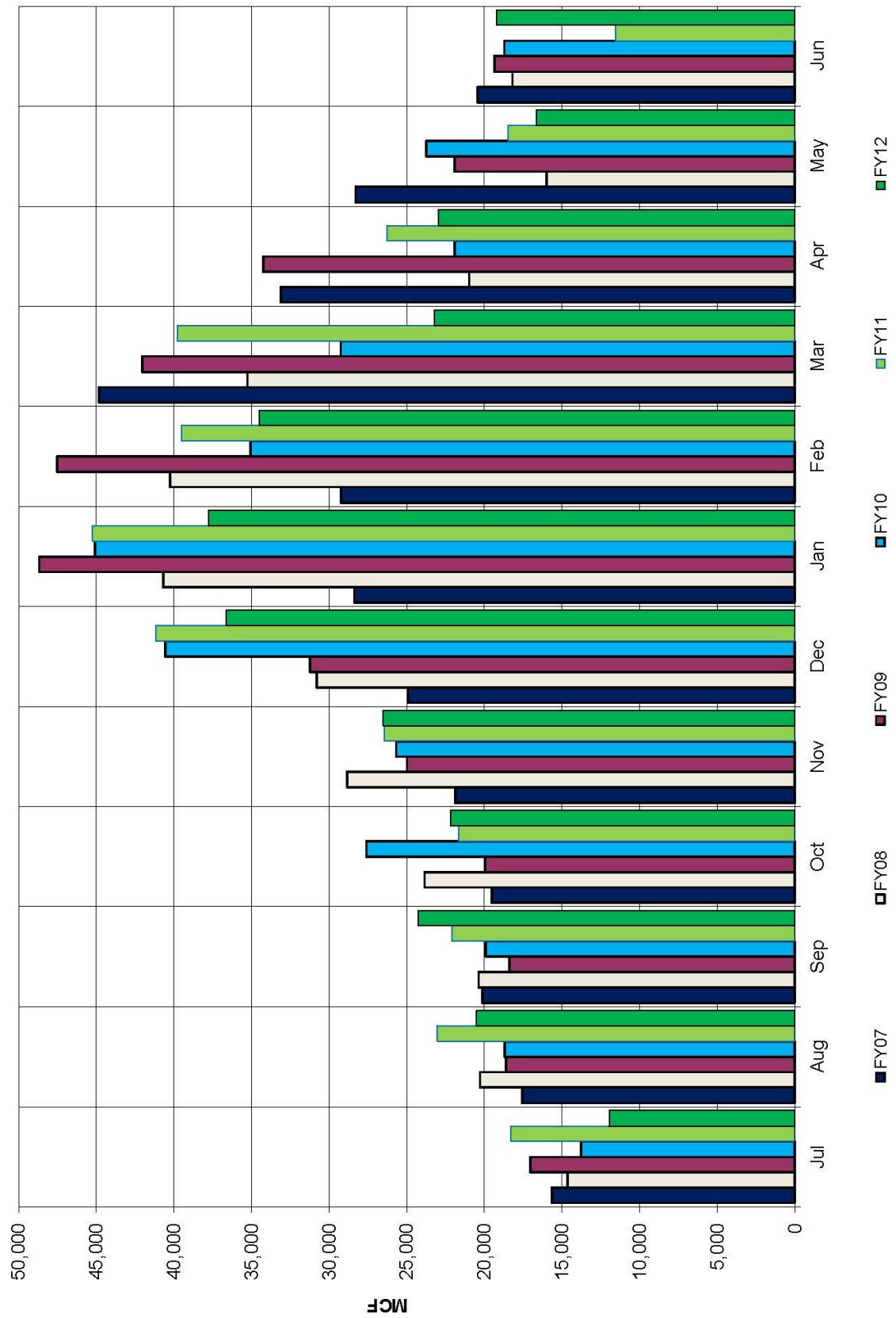


# MAIN CAMPUS YEARLY STEAM PLANT GAS



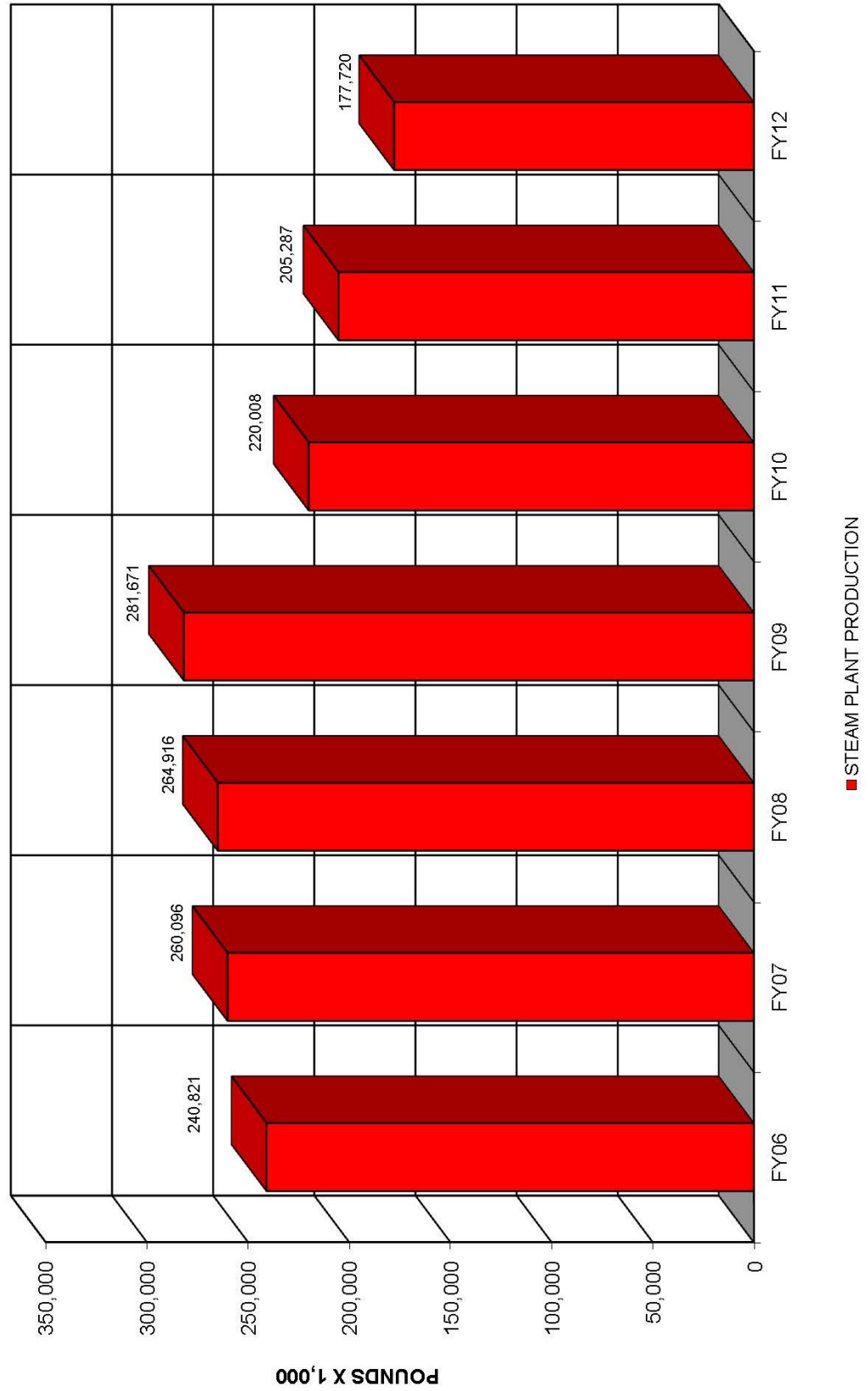


# MAIN CAMPUS MONTHLY STEAM PLANT GAS



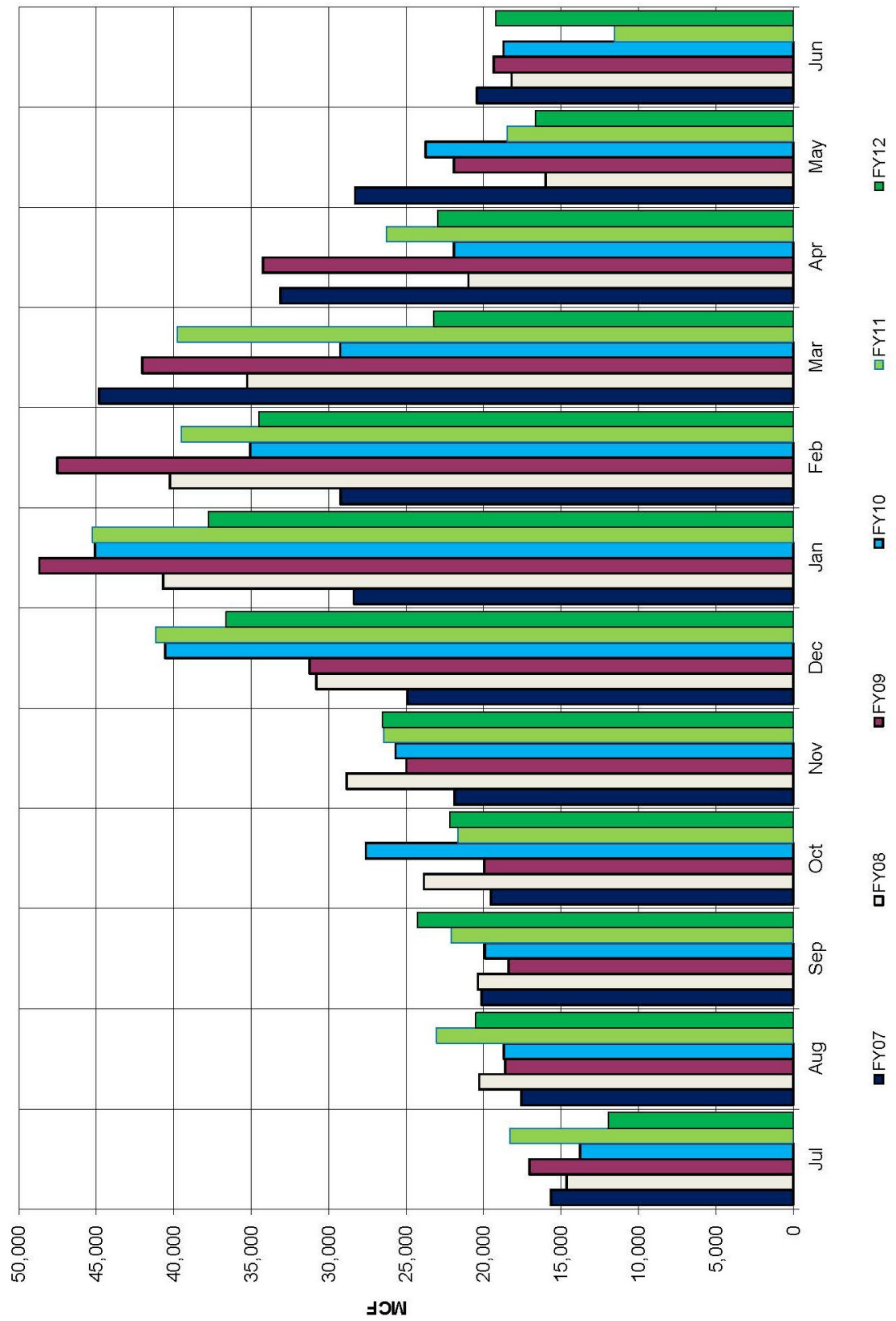


# MAIN CAMPUS YEARLY STEAM PRODUCTION



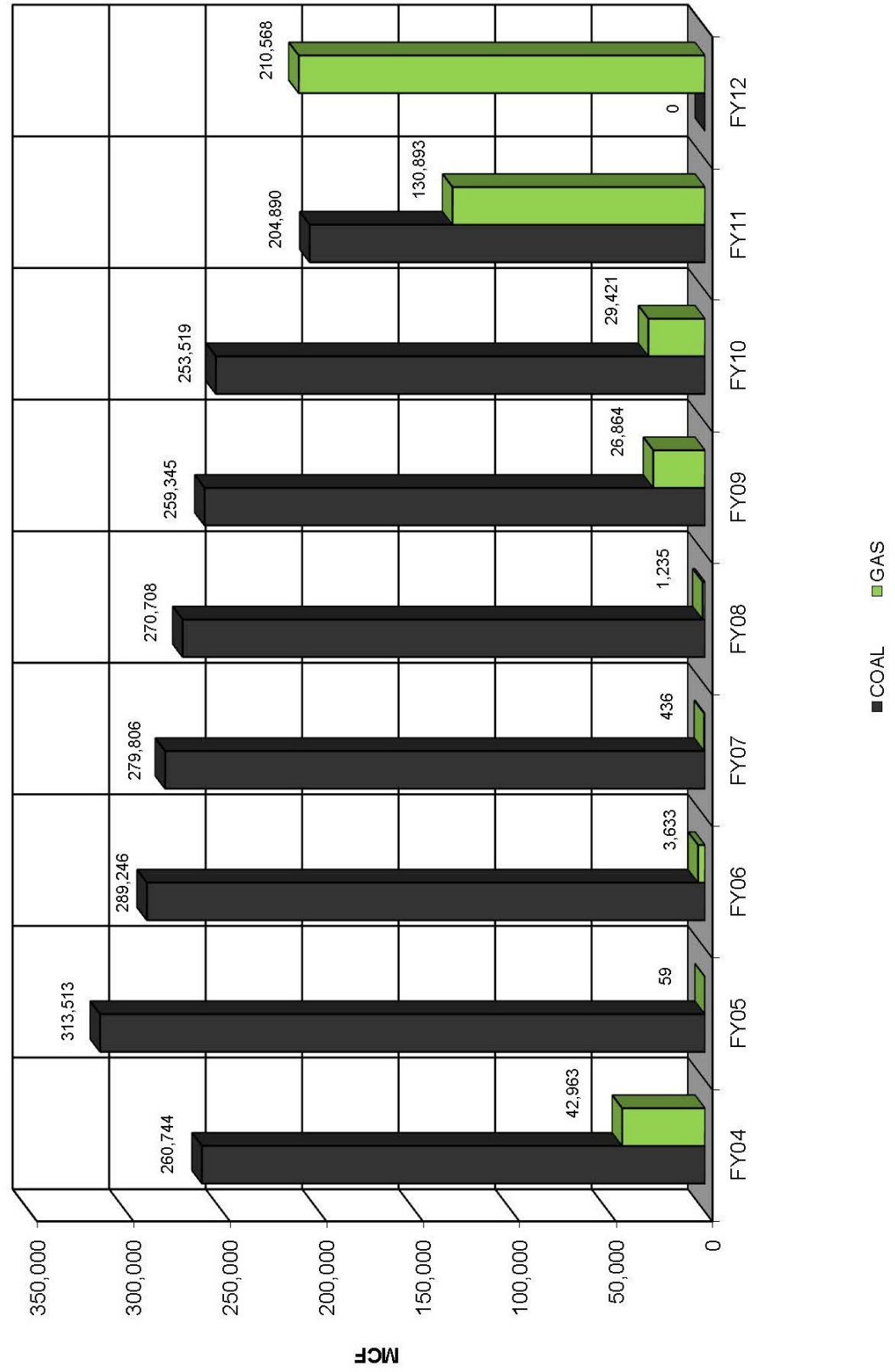


# MAIN CAMPUS MONTHLY STEAM PLANT GAS



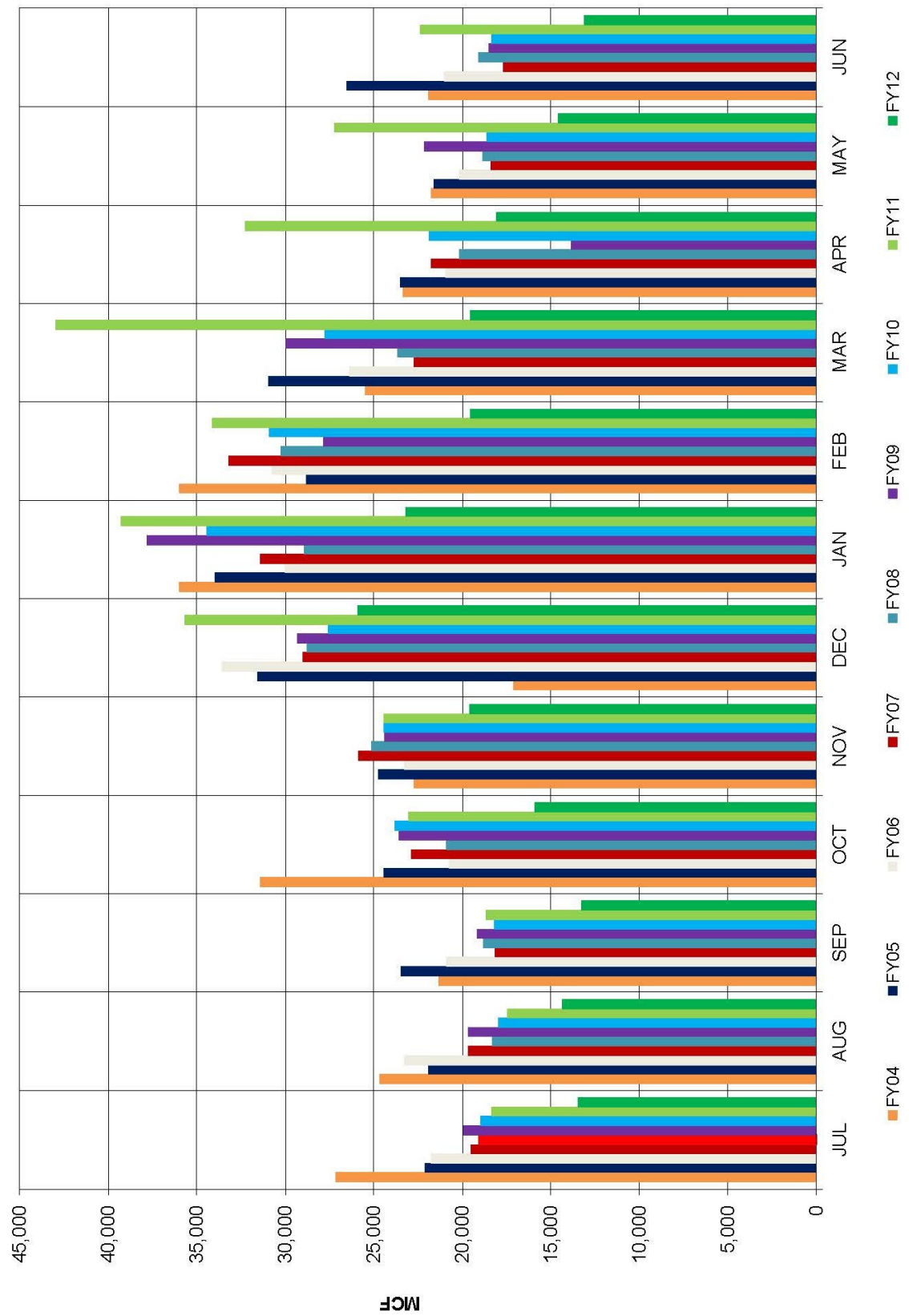


# HEALTH SCIENCE CAMPUS YEARLY POWERHOUSE COAL/GAS



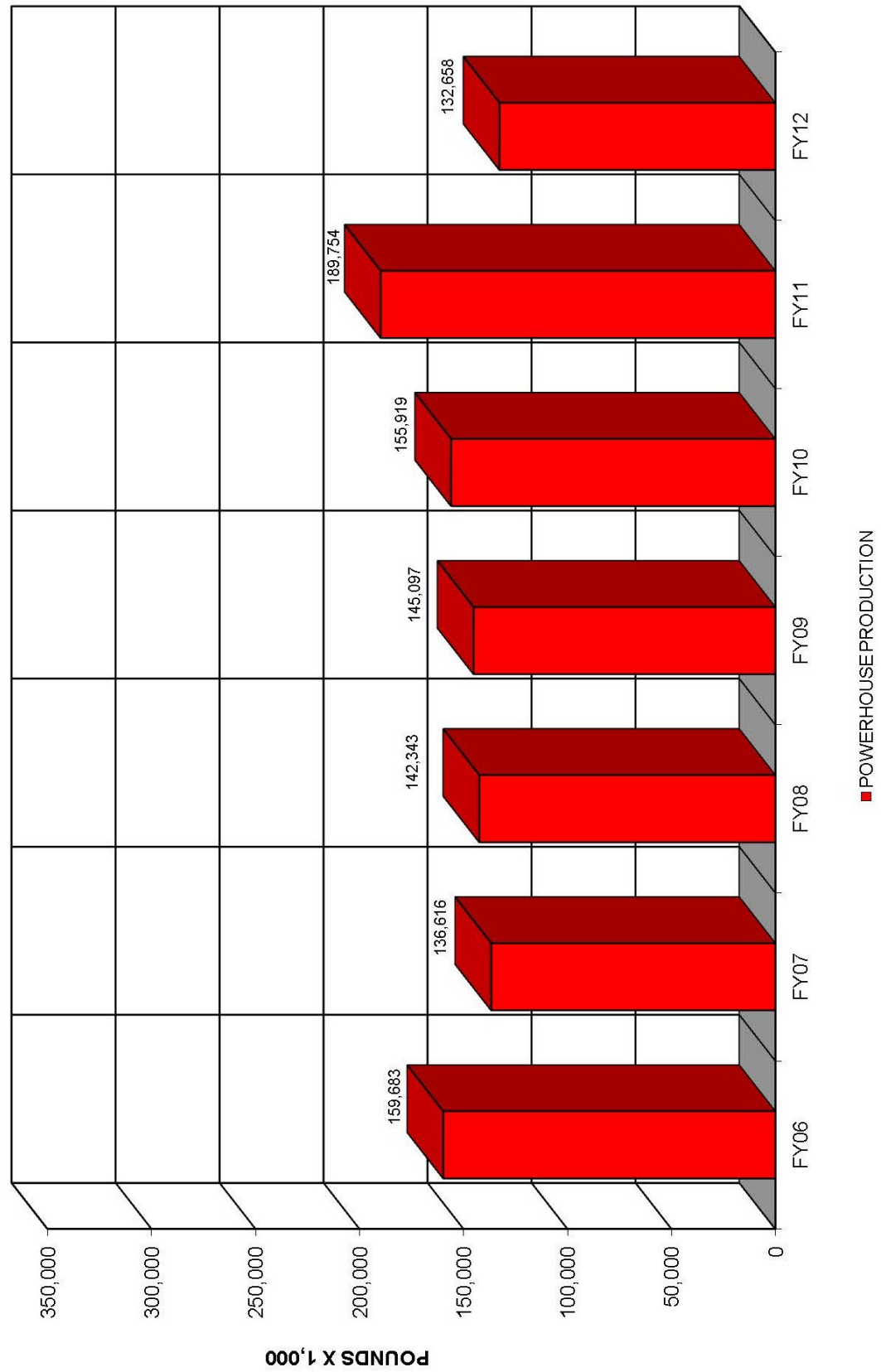


# HEALTH SCIENCE CAMPUS MONTHLY POWERHOUSE COAL/GAS



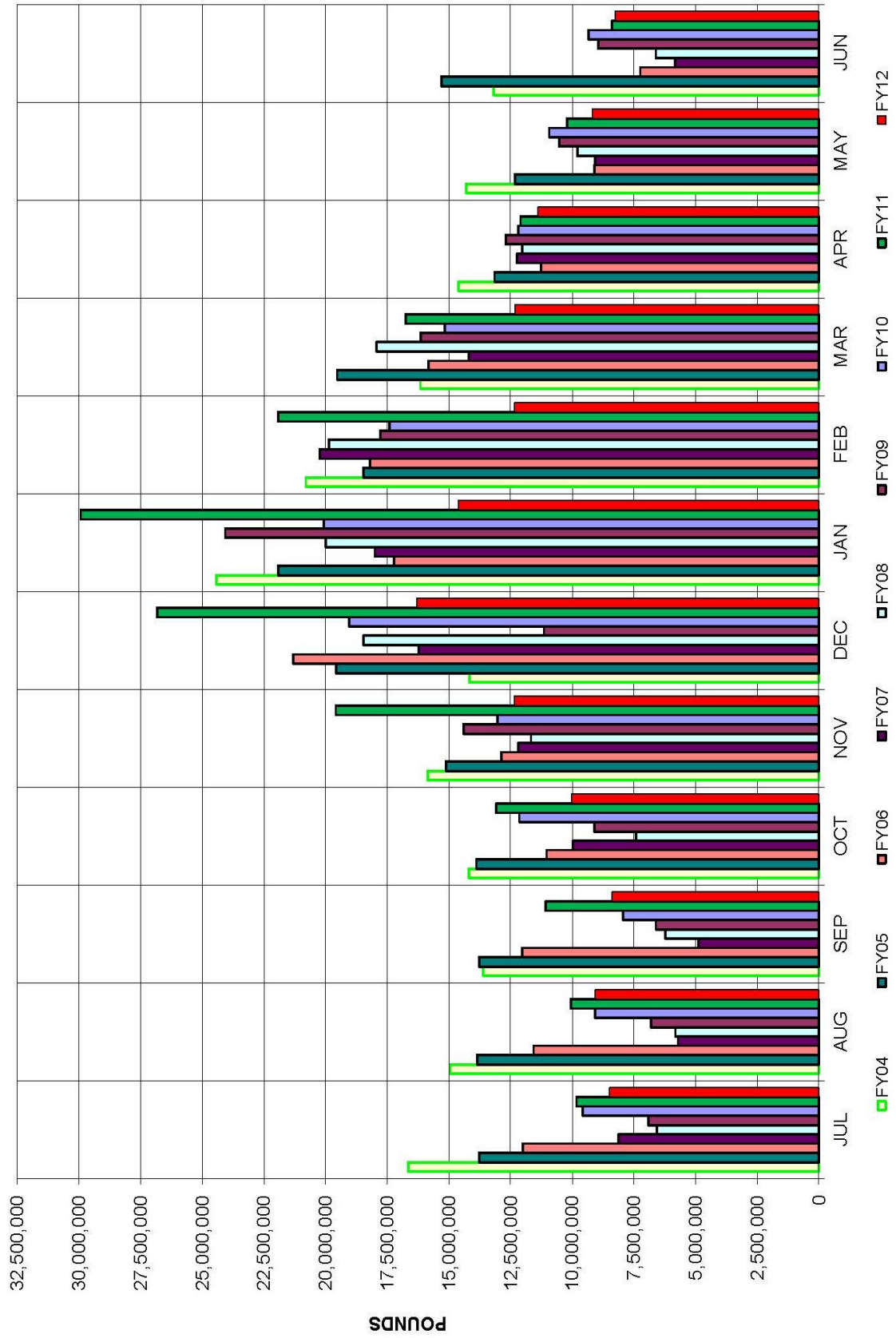


# HEALTH SCIENCE CAMPUS YEARLY STEAM PRODUCTION



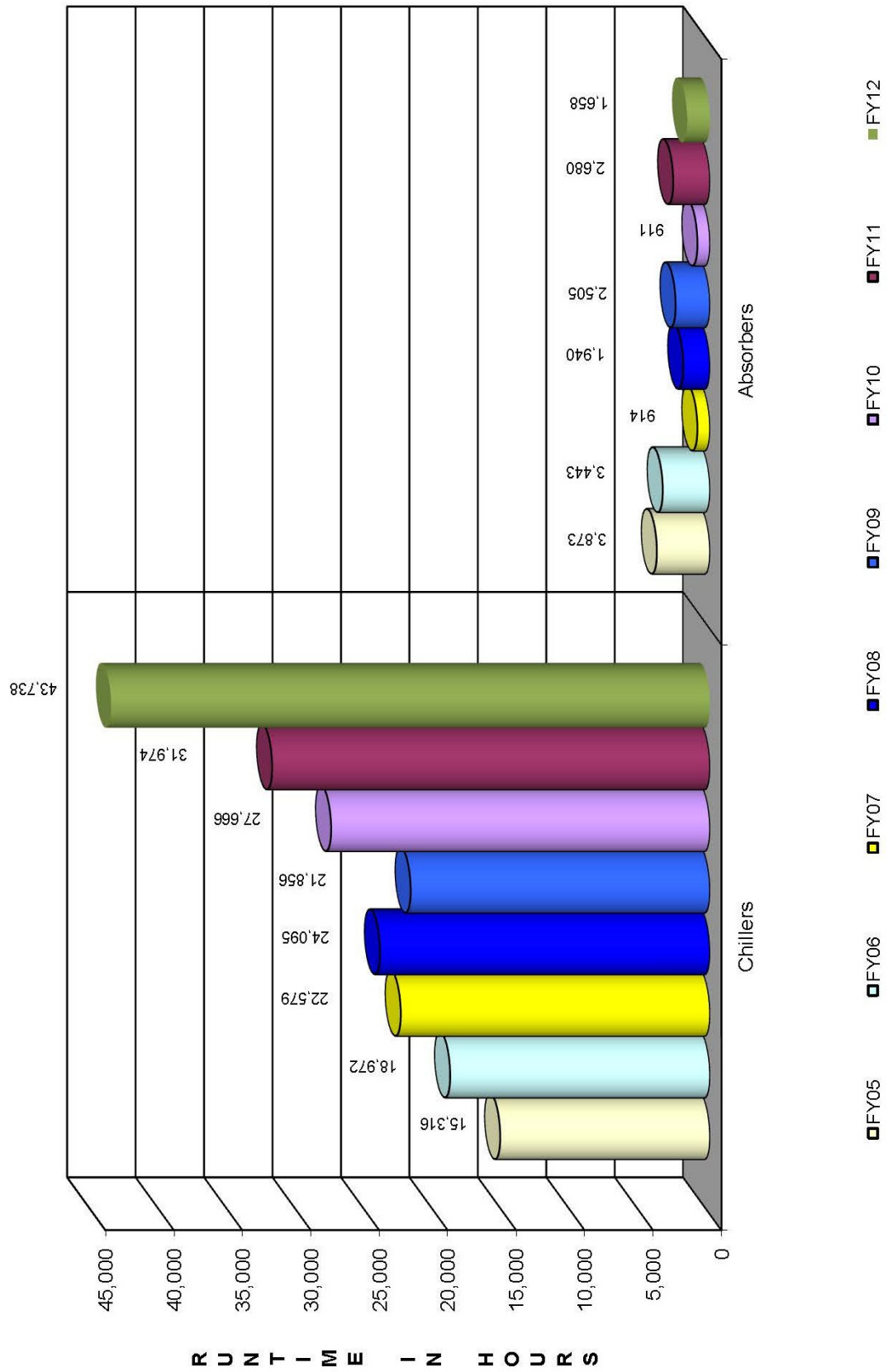


# HEALTH SCIENCE CAMPUS MONTHLY STEAM PRODUCTION



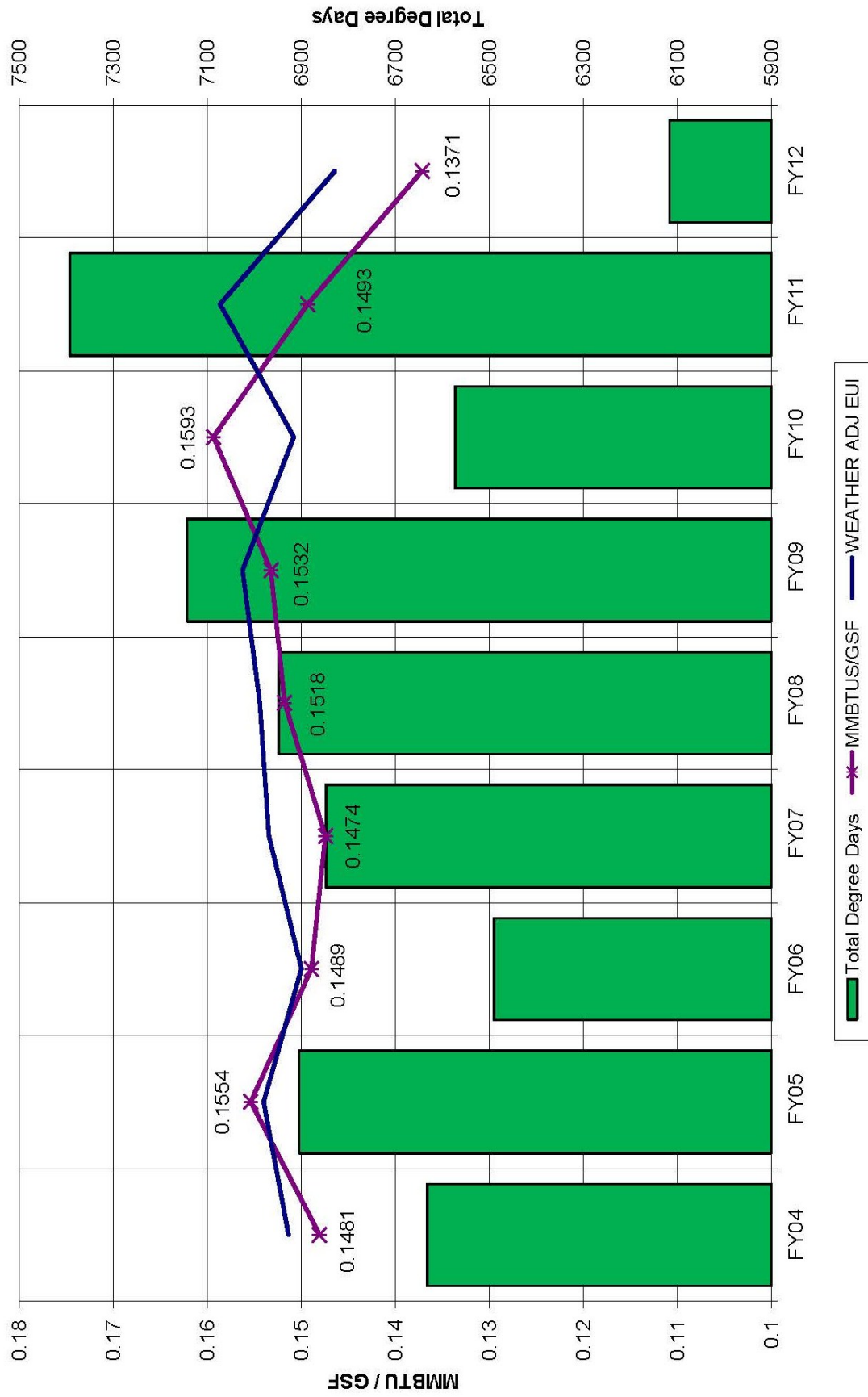


# HEALTH SCIENCE CAMPUS MECHANICAL COOLING



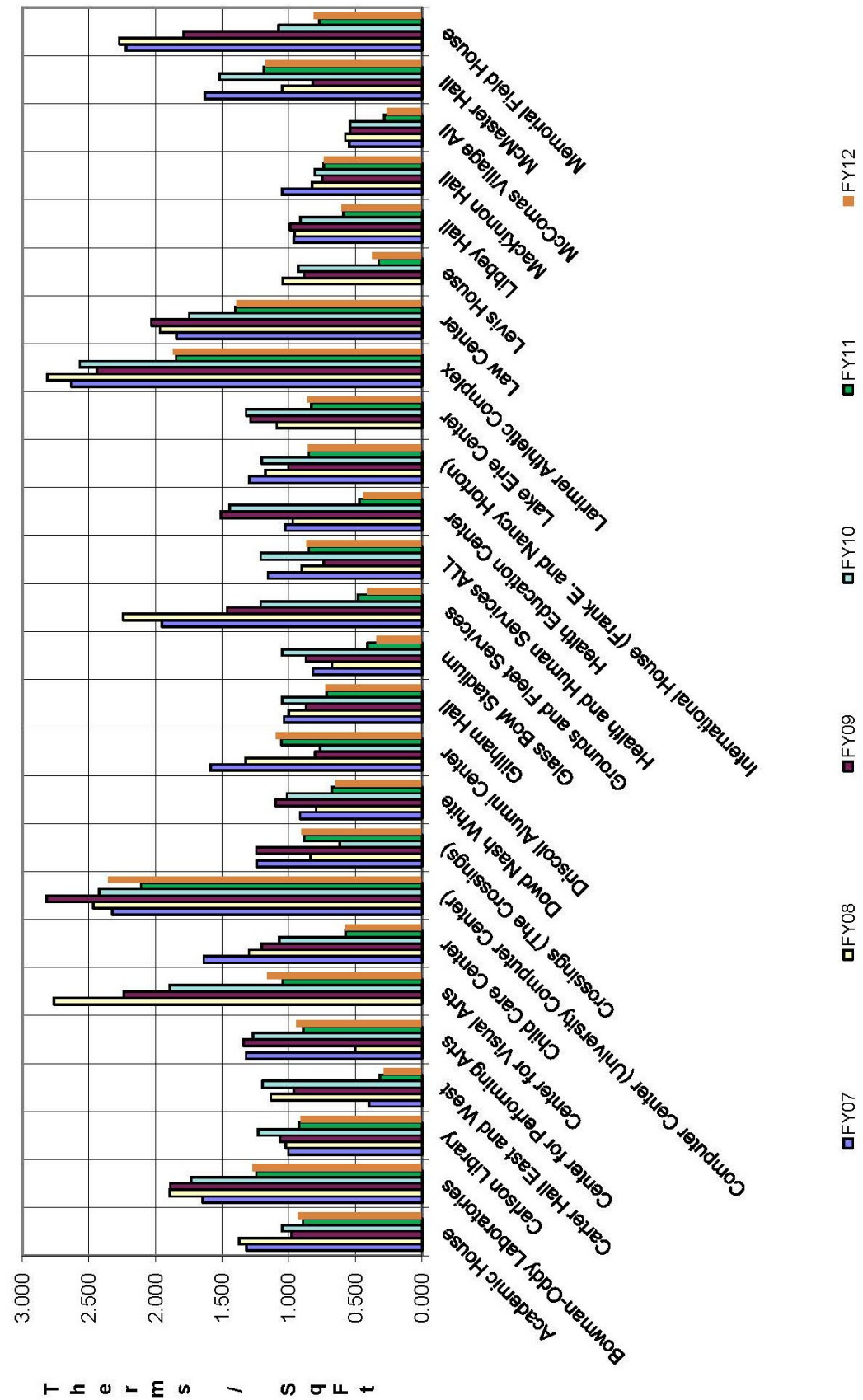


# UT CAMPUS WEATHER ADJUSTED ENERGY UTILIZATION INDEX



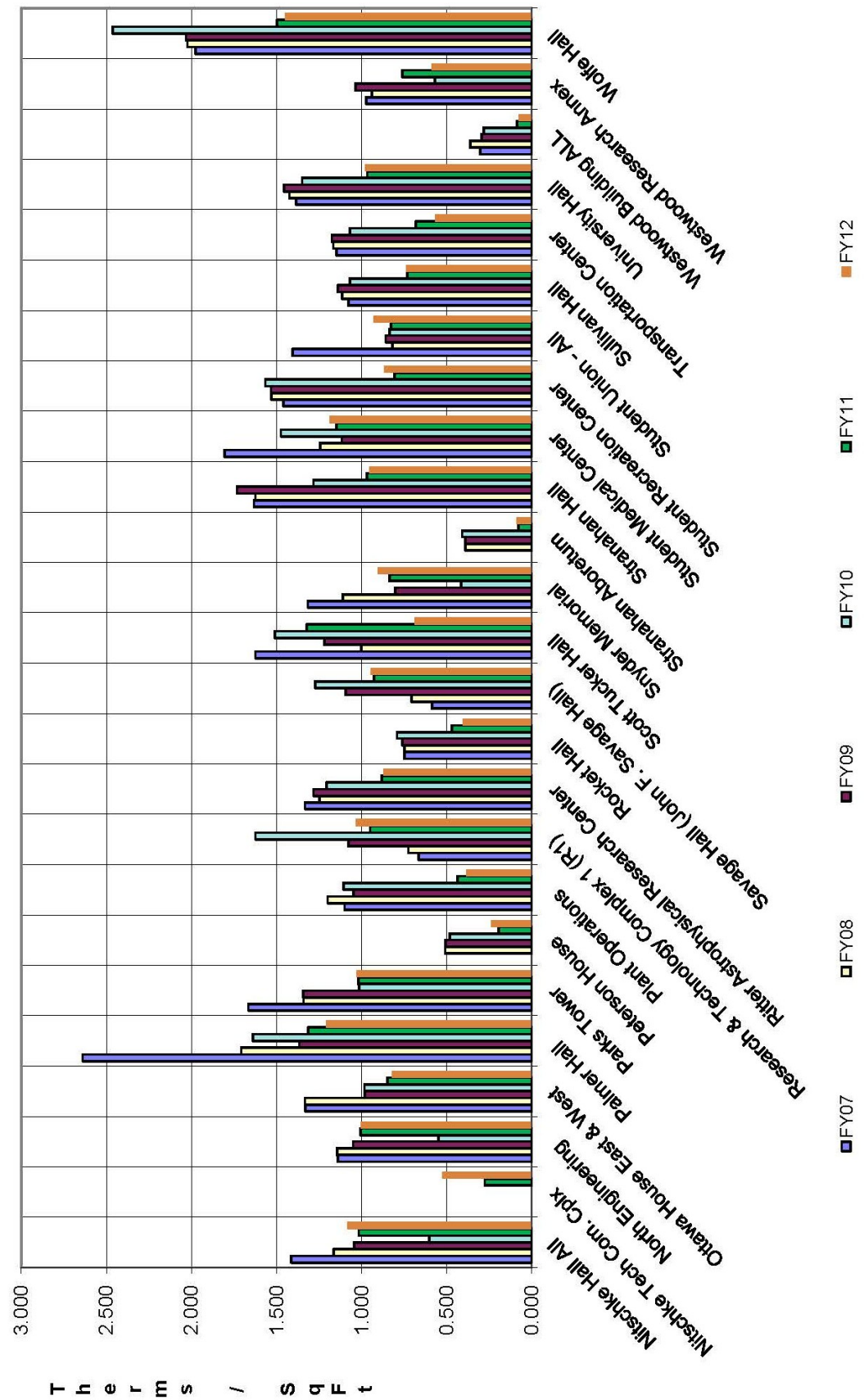


# MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX



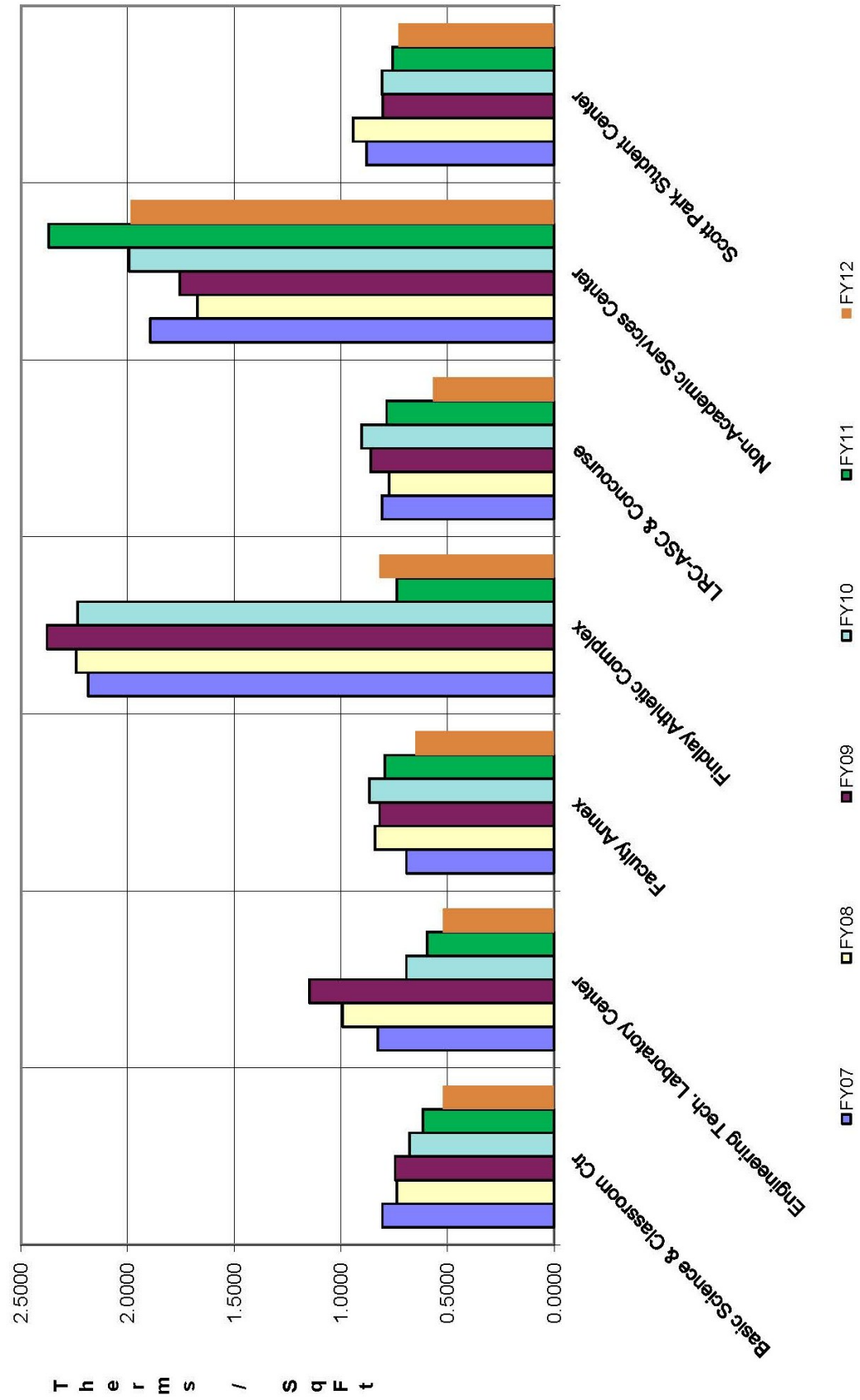


# MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX



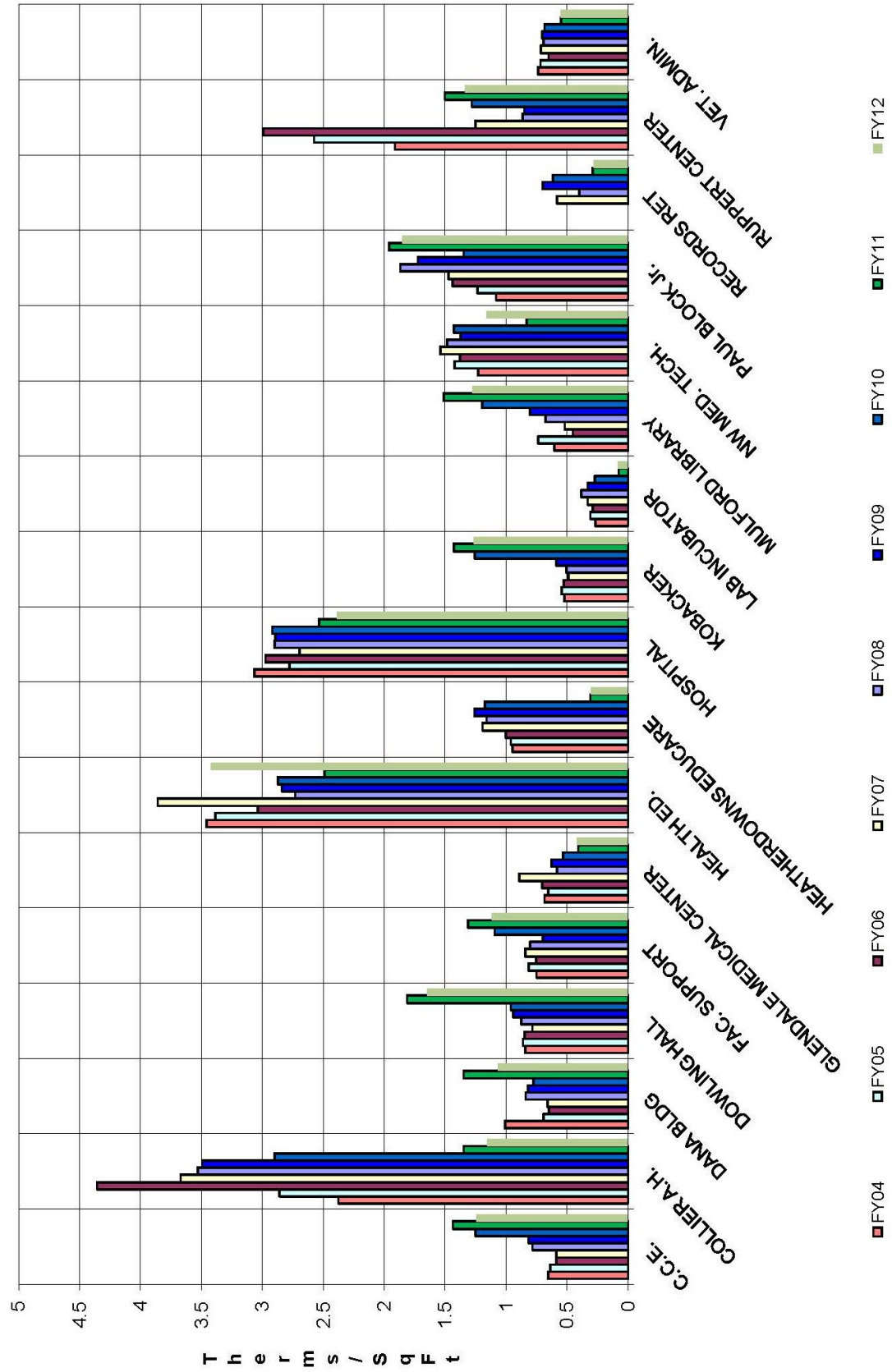


# SCOTT PARK CAMPUS BUILDING ENERGY UTILIZATION INDEX





# HEALTH SCIENCE CAMPUS BUILDING ENERGY UTILIZATION INDEX





**UNIVERSITY OF TOLEDO  
BUILDING UTILITY USAGE FISCAL YEAR 2012**

	GSF	Electric kWh	Steam Mlbs	Natural Gas MCF	EUI
<b>Main Campus</b>					
Academic House	80,603	942,331	4,304	124	0.9329
Bowman-Oddy Laboratories	178,727	3,793,499	9,543	2,124	1.2705
Carlson Library	256,547	2,830,772	13,698	-	0.9105
Carter Hall East and West	124,889	822,467	-	7,267	0.2844
Center for Performing Arts	64,983	780,503	3,470	-	0.9439
Center for Visual Arts	51,899	1,582,459	-	6,138	1.1619
Child Care Center	15,941	233,290	-	1,215	0.5776
Computer Center (University Computer Cent	32,872	2,226,089	-	1,384	2.3544
Crossings (The Crossings)	228,990	2,469,789	12,226	315	0.9034
Dowd Nash White	80,030	264,579	4,273	-	0.6468
Driscoll Alumni Center	38,675	637,120	2,065	-	1.0962
Gillham Hall	92,347	506,277	4,931	-	0.7210
Glass Bowl Stadium	103,578	970,601	-	1,814	0.3378
Grounds and Fleet Services	13,009	134,553	-	770	0.4137
Health and Human Services ALL	163,006	1,589,665	8,703	-	0.8668
Health Education Center	79,016	744,198	-	9,172	0.4404
International House (Frank E. and Nancy Ho	138,904	1,293,699	7,416	533	0.8557
Lake Erie Center	34,054	741,700	-	3,860	0.8595
Larimer Athletic Complex	32,139	1,684,059	-	2,497	1.8680
Law Center	125,392	3,153,035	6,695	16	1.3923
Levis House	6,457	59,143	-	393	0.3750
Libbey Hall	16,767	28,362	895	194	0.6035
MacKinnon Hall	41,787	249,234	2,231	-	0.7375
McComas Village All	124,533	812,649	-	4,776	0.2620
McMaster Hall	67,194	1,258,070	3,588	-	1.1729
Memorial Field House	156,074	1,264,143	8,333	-	0.8104
Nitschke Hall All	132,159	2,123,340	-	7,056	1.0823
Nitschke Tech Commercialization Cplx	39,961	473,648	-	4,691	0.5249
North Engineering	252,894	3,487,047	-	13,502	1.0045
Ottawa House East & West	271,293	2,069,801	14,485	7,604	0.8230
Palmer Hall	67,040	1,320,921	3,579	-	1.2064
Parks Tower	166,213	2,278,072	8,874	4,428	1.0290
Peterson House	4,316	23,230	-	227	0.2377
Plant Operations	30,861	292,959	-	1,827	0.3847
Research & Technology Complex 1 (R1)	55,209	1,531,886	-	4,691	1.0341
Ritter Astrophysical Research Center	15,317	150,456	818	-	0.8692
Rocket Hall	109,552	1,220,130	-	2,693	0.4053
Savage Hall (John F. Savage Hall)	199,380	2,414,728	10,645	-	0.9473
Scott Tucker Hall	42,710	192,920	2,280	-	0.6881
Sculptural Studies	7,502	99,100	-	1,477	0.6527
Snyder Memorial	47,947	522,917	2,560	-	0.9061
Stranahan Arboretum	7,386	7,512	-	390	0.0888
Stranahan Hall	121,135	1,481,332	6,468	-	0.9513
Student Medical Center	12,574	239,540	671	-	1.1841
Student Recreation Center	157,446	3,549,229	-	14,988	0.8670
Student Union - All	221,225	2,513,954	11,812	1,932	0.9307
Sullivan Hall	13,401	79,687	716	-	0.7369
Transportation Center	19,826	307,890	-	717	0.5671
University Hall	292,633	3,810,503	15,624	450	0.9799
Westwood Building ALL	271,332	459,020	-	4,845	0.0760
Westwood Research Annex	40,922	311,918	-	1,304	0.5868
Wolfe Hall	188,501	5,060,864	10,064	14	1.4503
<b>SUB TOTALS</b>	<b>5,137,148</b>	<b>67,094,888</b>	<b>180,966</b>	<b>115,428</b>	

**UNIVERSITY OF TOLEDO  
BUILDING UTILITY USAGE FISCAL YEAR 2012**

	<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	48,810	569,660	4,115	-	1.2413
Collier Allied Health	111,363	1,014,379	9,388	-	1.1539
Dana Center	43,975	287,515	3,707	-	1.0661
Dowling Hall	247,616	5,840,925	20,874	-	1.6481
Facility Support	26,932	216,193	2,270	-	1.1170
Glendale Medical Center	40,516	480,000	-	591	0.4193
Health Education	254,875	10,839,960	21,486	-	2.2946
Heatherdowns Educare Center	36,400	199,200	-	3,993	0.2992
Hospital	378,123	17,110,892	31,876	-	2.3875
Kobacker	41,140	507,360	3,468	-	1.2639
Lab Incubator	20,533	41,106	-	235	0.0801
Mulford Library Bldg	137,930	1,760,715	11,627	-	1.2787
Northwest Medical Tech Center	38,614	877,926	-	2,478	0.8418
Paul Block Jr.	168,764	4,976,198	14,227	-	1.8494
Records Retention	32,086	236,273	-	806	0.2771
Ruppert Center	114,126	1,656,534	9,621	-	1.3384
Veterans Administration	40,447	634,203	-	608	0.5506
<b>SUB TOTALS</b>	<b>1,782,250</b>	<b>47,249,038</b>	<b>132,658</b>	<b>8,711</b>	
<b>Scott Park Campus</b>					
Basic Science Laboratory Center & Allied He	77,096	1,175,331	-	-	0.5203
Engineering Technology Laboratory Center	24,812	378,949	-	-	0.5213
Faculty Annex	8,895	169,423	-	-	0.6501
Findlay Athletic Complex	6,593	90,846	-	2,236	0.8180
Learning Resources Ctr-Academic Services	127,430	2,121,704	-	-	0.5683
Non-Academic Services Center	14,881	866,611	-	-	1.9876
Scott Park Student Center	30,601	652,998	-	-	0.7283
<b>SUB TOTALS</b>	<b>290,308</b>	<b>5,455,862</b>	<b>-</b>	<b>2,236</b>	
<b>GRAND TOTALS</b>	<b>7,209,706</b>	<b>119,799,788</b>	<b>313,624</b>	<b>126,375</b>	

**UNIVERSITY OF TOLEDO  
BUILDING UTILITY COST FISCAL YEAR 2012**

<b>Main Campus</b>	<b>Electric Cost</b>	<b>Steam Cost</b>	<b>Natural Gas Cost</b>	<b>Total Cost</b>	<b>EUI</b>
Academic House	\$52,418	\$52,073	\$1,033	\$105,524	0.9329
Bowman-Oddy Laboratories	\$210,713	\$115,465	\$19,241	\$345,419	1.2705
Carlson Library	\$157,365	\$165,740	-	\$323,105	0.9105
Carter Hall East and West	\$45,644	-	\$27,131	\$72,775	0.2844
Center for Performing Arts	\$43,127	\$41,982	-	\$85,108	0.9439
Center for Visual Arts	\$113,912	-	\$25,838	\$139,750	1.1619
Child Care Center	\$13,007	-	\$5,797	\$18,804	0.5776
Computer Center (University Computer Cent	\$123,525	-	\$5,590	\$129,114	2.3544
Crossings (The Crossings)	\$137,627	\$147,937	\$1,194	\$286,758	0.9034
Dowd Nash White	\$14,750	\$51,703	-	\$66,452	0.6468
Driscoll Alumni Center	\$35,320	\$24,986	-	\$60,306	1.0962
Gillham Hall	\$28,059	\$59,660	-	\$87,719	0.7210
Glass Bowl Stadium	\$53,955	\$6,880	-	\$60,836	0.3378
Grounds and Fleet Services	\$7,451	-	\$3,492	\$10,943	0.4137
Health and Human Services ALL	\$88,221	\$105,309	-	\$193,530	0.8668
Health Education Center	\$41,739	-	\$36,271	\$78,011	0.4404
International House (Frank E. and Nancy Ho	\$71,981	\$89,738	\$2,932	\$164,651	0.8557
Lake Erie Center	\$41,275	-	\$16,452	\$57,728	0.8595
Larimer Athletic Complex	\$93,904	-	\$9,819	\$103,723	1.8680
Law Center	\$174,839	\$81,008	\$323	\$256,170	1.3923
Levis House	\$5,643	-	\$2,306	\$7,949	0.3750
Libbey Hall	\$1,588	\$10,832	\$1,053	\$13,473	0.6035
MacKinnon Hall	\$13,832	\$26,996	-	\$40,828	0.7375
McComas Village All	\$45,455	-	\$24,145	\$69,600	0.2620
McMaster Hall	\$69,776	\$43,410	-	\$113,186	1.1729
Memorial Field House	\$70,103	\$100,830	-	\$170,934	0.8104
Nitschke Hall All	\$118,333	-	\$85,380	\$203,713	1.0823
Nitschke Tech Commercialization Cplx	\$26,024	-	\$18,588	\$44,611	0.5249
North Engineering	\$194,078	-	\$163,380	\$357,458	1.0045
Ottawa House East & West	\$115,320	\$175,267	\$35,953	\$326,540	0.8230
Palmer Hall	\$73,623	\$43,311	\$14,623	\$131,556	1.2064
Parks Tower	\$126,939	\$107,380	\$16,552	\$250,872	1.0290
Peterson House	\$1,757	-	\$1,100	\$2,857	0.2377
Plant Operations	\$16,217	-	\$8,284	\$24,501	0.3847
Research & Technology Complex 1 (R1)	\$85,159	-	\$18,588	\$103,747	1.0341
Ritter Astrophysical Research Center	\$8,336	\$9,895	-	\$18,232	0.8692
Rocket Hall	\$67,782	-	\$12,138	\$79,920	0.4053
Savage Hall (John F. Savage Hall)	\$133,912	\$128,808	-	\$262,720	0.9473
Scott Tucker Hall	\$10,627	\$27,592	-	\$38,219	0.6881
Sculptural Studies	\$13,640	-	\$6,967	\$20,607	0.6527
Snyder Memorial	\$29,015	\$30,976	-	\$59,991	0.9061
Stranahan Arboretum	\$14,960	-	\$1,694	\$16,654	0.0888
Stranahan Hall	\$82,309	\$78,258	-	\$160,567	0.9513
Student Medical Center	\$13,306	\$8,123	-	\$21,430	1.1841
Student Recreation Center	\$197,560	-	\$61,388	\$258,948	0.8670
Student Union - All	\$139,826	\$142,921	\$7,576	\$290,322	0.9307
Sullivan Hall	\$4,428	\$8,658	-	\$13,085	0.7369
Transportation Center	\$17,152	-	\$2,675	\$19,827	0.5671
University Hall	\$211,163	\$189,053	\$1,864	\$402,080	0.9799
Westwood Building ALL	\$39,891	-	\$21,880	\$61,771	0.0760
Westwood Research Annex	\$17,261	-	\$4,954	\$22,215	0.5868
Wolfe Hall	\$281,917	\$121,779	\$317	\$404,014	1.4503
<b>SUB TOTALS</b>	<b>\$3,795,765</b>	<b>\$2,196,570</b>	<b>\$666,518</b>	<b>\$6,658,853</b>	

**UNIVERSITY OF TOLEDO  
BUILDING UTILITY COST FISCAL YEAR 2012**

	<b>Electric Cost</b>	<b>Steam Cost</b>	<b>Natural Gas Cost</b>	<b>Total Cost</b>	<b>EUI</b>
<b>Health Science Campus</b>					
Center Creative Education	\$31,840	\$49,787	-	\$81,628	1.2413
Collier Allied Health	\$56,698	\$113,593	-	\$170,291	1.1539
Dana Center	\$16,165	\$44,855	-	\$61,020	1.0661
Dowling Hall	\$326,881	\$252,574	-	\$579,454	1.6481
Facility Support	\$12,095	\$27,471	-	\$39,567	1.1170
Glendale Medical Center	\$26,830	-	\$3,467	\$30,297	0.4193
Health Education	\$605,508	\$259,978	-	\$865,486	2.2946
Heatherdowns Educare Center	\$23,465	-	\$18,250	\$41,715	0.2992
Hospital	\$955,568	\$385,694	-	\$1,341,262	2.3875
Kobacker	\$28,432	\$41,964	-	\$70,396	1.2639
Lab Incubator	\$2,294	-	\$2,878	\$5,171	0.0801
Mulford Library Bldg	\$98,418	\$140,692	-	\$239,110	1.2787
Northwest Medical Tech Center	\$49,263	-	\$14,372	\$63,635	0.8418
Paul Block Jr.	\$279,444	\$172,143	-	\$451,587	1.8494
Records Retention	\$13,200	-	\$4,704	\$17,903	0.2771
Ruppert Center	\$92,514	\$116,411	-	\$208,925	1.3384
Veterans Administration	\$35,452	-	\$3,481	\$38,933	0.5506
<b>SUB TOTALS</b>	<b>\$2,654,066</b>	<b>\$1,605,162</b>	<b>\$47,152</b>	<b>\$4,306,380</b>	
<b>Scott Park Campus</b>					
Basic Science Laboratory Center & Allied He	\$121,215	-	-	\$121,215	0.5203
Engineering Technology Laboratory Center	\$38,538	-	-	\$38,538	0.5213
Faculty Annex	\$17,812	-	-	\$17,812	0.6501
Findlay Athletic Complex	\$10,055	-	\$10,090	\$20,145	0.8180
Learning Resources Ctr-Academic Services	\$217,067	-	-	\$217,067	0.5683
Non-Academic Services Center	\$97,941	-	-	\$97,941	1.9876
Scott Park Student Center	\$67,002	-	-	\$67,002	0.7283
<b>SUB TOTALS</b>	<b>\$569,630</b>		<b>\$10,090</b>	<b>\$579,721</b>	
<b>GRAND TOTALS</b>	<b>\$7,019,461</b>	<b>\$3,801,732</b>	<b>\$723,761</b>	<b>\$11,544,953</b>	

BUILDING: Academic House  
FY YEAR: 2012

DATE : 10/22/12

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	436	100%	36,970	85	\$0.058	\$2,136	0	0.00	\$12.10	\$0	1	\$8.33	\$8	\$2,145
August	1	218	100%	88,114	402	\$0.059	\$5,174	1	0.00	\$12.10	\$10	0	\$8.33	\$0	\$5,184
September	137	80	100%	103,893	479	\$0.060	\$6,256	117	0.54	\$12.10	\$1,415	13	\$8.33	\$108	\$7,778
October	385	2	100%	98,652	255	\$0.057	\$5,651	329	0.85	\$12.10	\$3,975	16	\$8.33	\$133	\$9,760
November	587	0	100%	86,993	148	\$0.054	\$4,733	501	0.85	\$12.10	\$6,061	18	\$8.33	\$150	\$10,944
December	916	0	100%	75,001	82	\$0.054	\$4,032	782	0.85	\$12.10	\$9,458	16	\$8.33	\$133	\$13,624
1st half yr	2026	736		489,624	177	\$0.057	\$27,981	1,728.93	0.63	\$12.10	\$20,920	64	\$8.33	\$533	\$49,434
January	1070	0	100%	67,352	63	\$0.053	\$3,539	913	0.85	\$12.10	\$11,049	2	\$8.33	\$17	\$14,604
February	922	0	100%	73,957	80	\$0.053	\$3,903	787	0.85	\$12.10	\$9,520	22	\$8.33	\$183	\$13,607
March	445	19	100%	89,202	192	\$0.058	\$5,209	380	0.82	\$12.10	\$4,595	12	\$8.33	\$100	\$9,904
April	464	4	100%	81,650	174	\$0.055	\$4,453	396	0.85	\$12.10	\$4,791	16	\$8.33	\$58	\$9,302
May	90	97	100%	66,278	354	\$0.054	\$3,607	77	0.41	\$12.10	\$929	7	\$8.33	\$8	\$4,544
June	26	218	100%	74,268	304	\$0.050	\$3,726	22	0.09	\$12.10	\$268	1	\$8.33	\$8	\$4,003
2nd half yr	3017	338		452,707	135	\$0.054	\$24,437	2,575	0.77	\$12.10	\$31,153	60	\$8.33	\$375	\$55,965
TOTAL/YEAR	5043	1074		942,331	154	\$0.056	\$52,418	4,303.54	0.70	\$12.10	\$52,073	124	\$8.33	\$1,033	\$105,524

Building Data:	1991	Energy Consumption to BTU Conversions	BTU's x 1,000	9,016,129
Gross Area (ft)2	80,603	Electricity = KWH X 3413	3,216,176	
Gross Volume (ft)3	644,824	Steam = M (lbs) X 1,000,000	4,303,544	
General Notes:		Natural Gas = MCF X 102,500	12,710	
		Other Fuel	0	
		TOTAL BTU's x 1,000	7,519,720	
		Total BTU Consumption/Yr	7,519,720.057	
		Gross Area (ft) 2	80,603	
		Divided by 100,000 =	0.9329	
		THERMS		

COST / SQ. FT. / YEAR \$1.31

WATER / SQ. FT. / YEAR \$0.20

BUILDING: Bowman Oddy  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM		NATURAL GAS		TOTAL ENERGY COST					
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD		Cost per M(Lbs)	100 cubic feet (McF)	Cost per McF	TOTAL	
July	0	436	100%	346,896	796	\$0.058	\$20,045	0	0.00	\$12.10	\$0	1	\$9.06	\$9	\$20,054
August	1	218	100%	344,948	1,575	\$0.059	\$20,253	2	0.01	\$12.10	\$23	0	\$9.06	\$0	\$20,276
September	137	80	100%	327,886	1,511	\$0.060	\$19,742	259	1.19	\$12.10	\$3,137	1	\$9.06	\$9	\$22,888
October	385	2	100%	328,645	849	\$0.057	\$18,825	729	1.88	\$12.10	\$8,815	17	\$9.06	\$154	\$27,794
November	587	0	100%	304,273	518	\$0.054	\$16,555	1,111	1.89	\$12.10	\$13,440	62	\$9.06	\$562	\$30,556
December	916	0	100%	279,938	306	\$0.054	\$15,049	1,733	1.89	\$12.10	\$20,973	366	\$9.06	\$3,316	\$39,338
1st half yr	2026	736		1,932,587	700	\$0.057	\$110,469	3,833.68	1.39	\$12.10	\$46,388	447	\$9.06	\$4,049	\$160,906
January	1070	0	100%	253,588	237	\$0.053	\$13,325	2,025	1.89	\$12.10	\$24,499	426	\$9.06	\$3,859	\$41,683
February	922	0	100%	287,656	312	\$0.053	\$15,181	1,745	1.89	\$12.10	\$21,110	452	\$9.06	\$4,095	\$40,386
March	445	19	100%	321,588	693	\$0.058	\$18,780	842	1.81	\$12.10	\$10,189	276	\$9.06	\$2,500	\$31,469
April	464	4	100%	320,420	685	\$0.055	\$17,475	878	1.88	\$12.10	\$10,624	346	\$9.06	\$3,134	\$31,233
May	90	97	100%	349,730	1,870	\$0.054	\$19,032	170	0.91	\$12.10	\$2,061	152	\$9.06	\$1,377	\$22,470
June	26	218	100%	327,930	1,344	\$0.050	\$16,451	49	0.20	\$12.10	\$595	25	\$9.06	\$226	\$17,273
2nd half yr	3017	338		1,860,912	555	\$0.054	\$100,244	5,709	1.70	\$12.10	\$69,078	1,677	\$9.06	\$15,192	\$184,513
TOTAL/YEAR	5043	1074		3,793,499	620	\$0.056	\$210,713	9,542.57	1.56	\$12.10	\$115,465	2,124	\$9.06	\$19,241	\$345,419

Building Data:	1966	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	178,727	Electricity = KWH X 3413	12,947,212
Gross Volume (ft)3	1,429,816	Steam = M (lbs) X 1,000,000	9,542,567
General Notes:		Natural Gas = MCF X 102,500	217,710
		Other Fuel	0
		TOTAL BTU's x 1,000	22,707,489

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{22,707,488,533}{178,727}$$

$$\text{Divided by } 100,000 = \frac{1.2705}{\text{THERMS}}$$

COST / SQ. FT. / YEAR \$1.93

WATER / SQ. FT. / YEAR \$0.45

BUILDING: Carlson Library  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			PURCHASED STEAM			FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	332,232	762	\$0.058	0	0.00	\$12.10	0	\$4.50	\$0	\$19,198
August	1	218	100%	190,968	872	\$0.059	3	0.01	\$12.10	0	\$4.50	\$0	\$11,245
September	137	80	100%	331,359	1,527	\$0.060	372	1.71	\$12.10	0	\$4.50	\$0	\$24,454
October	385	2	100%	325,080	840	\$0.057	1,046	2.70	\$12.10	0	\$4.50	\$0	\$31,274
November	587	0	100%	208,972	356	\$0.054	1,594	2.72	\$12.10	0	\$4.50	\$0	\$30,661
December	916	0	100%	172,208	188	\$0.054	2,488	2.72	\$12.10	0	\$4.50	\$0	\$39,362
1st half yr	2026	736		1,560,819	565	\$0.057	5,502.91	1.99	\$12.10	0	\$4.50	\$0	\$156,195
January	1070	0	100%	186,180	174	\$0.053	2,906	2.72	\$12.10	0	\$4.50	\$0	\$44,949
February	922	0	100%	213,904	232	\$0.053	2,504	2.72	\$12.10	0	\$4.50	\$0	\$41,591
March	445	19	100%	140,128	302	\$0.058	1,209	2.60	\$12.10	0	\$4.50	\$0	\$22,808
April	464	4	100%	262,080	560	\$0.055	1,280	2.89	\$12.10	0	\$4.50	\$0	\$29,542
May	90	97	100%	175,593	939	\$0.054	244	1.31	\$12.10	0	\$4.50	\$0	\$12,514
June	26	218	100%	292,068	1,197	\$0.050	71	0.29	\$12.10	0	\$4.50	\$0	\$15,506
2nd half yr	3017	338		1,269,953	379	\$0.053	8,195	2.44	\$12.10	0	\$4.50	\$0	\$166,910
TOTAL YEAR	5043	1074		2,830,772	463	\$0.056	13,697.52	2.24	\$12.10	0	\$4.50	\$0	\$323,105

Building Data:	1973	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	256,547	Electricity = KWH X 3413	9,661,425
Gross Volume (ft)3	2,052,376	Steam = M (lbs) X 1,000,000	13,697,521
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	23,358,946
		Energy Utilization Index =	
		Total BTU Consumption/Yr	23,358,946.092
		Gross Area (ft) 2	256,547
		Divided by 100,000 =	0.9105
		THERMS	

COST / SQ. FT. / YEAR \$1.26  
WATER / SQ. FT. / YEAR \$0.08

BUILDING: Carter Hall East and West  
FY YEAR: 2012

DATE: 10/22/12

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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	30,128	69	\$0.058	\$1,741	39	0.09	\$5.57	0	\$4.50	\$0	\$1,958
August	1	218	100%	61,820	282	\$0.059	\$3,630	24	0.11	\$6.70	0	\$4.50	\$0	\$3,791
September	137	80	100%	77,117	355	\$0.060	\$4,643	25	0.12	\$4.88	0	\$4.50	\$0	\$4,765
October	385	2	100%	82,534	213	\$0.057	\$4,728	93	0.24	\$4.04	0	\$4.50	\$0	\$5,103
November	587	0	100%	82,534	141	\$0.054	\$4,490	189	0.32	\$4.01	0	\$4.50	\$0	\$5,248
December	916	0	100%	81,908	89	\$0.054	\$4,403	893	0.97	\$3.84	0	\$4.50	\$0	\$7,831
1st half yr	2026	736		416,042	151	\$0.057	\$23,635	1,263.00	0.46	\$4.01	0	\$4.50	\$0	\$28,696
January	1070	0	100%	83,988	78	\$0.053	\$4,413	1,111	1.04	\$3.93	0	\$4.50	\$0	\$8,784
February	922	0	100%	89,237	97	\$0.053	\$4,710	1,010	1.10	\$3.76	0	\$4.50	\$0	\$8,506
March	445	19	100%	81,776	176	\$0.058	\$4,775	1,812	3.91	\$3.72	0	\$4.50	\$0	\$11,511
April	464	4	100%	78,249	167	\$0.055	\$4,267	1,014	2.17	\$3.81	0	\$4.50	\$0	\$8,132
May	90	97	100%	40,420	216	\$0.054	\$2,200	561	3.00	\$3.37	0	\$4.50	\$0	\$4,092
June	26	218	100%	32,756	134	\$0.050	\$1,643	496	2.03	\$2.85	0	\$4.50	\$0	\$3,055
2nd half yr	3017	338		406,425	121	\$0.054	\$22,009	6,004	1.79	\$3.68	0	\$4.50	\$0	\$44,079
TOTAL/YEAR	5043	1074		822,467	134	\$0.055	\$45,644	7,267.00	1.19	\$3.73	0	\$4.50	\$0	\$72,775

Building Data:	1964	Energy Consumption to BTU Conversions	
Gross Area (ft)2	124,889	BTU's x 1,000	
Gross Volume (ft)3	999,112	Electricity = KWH X 34.13	
General Notes:		Natural Gas = MCF X 102,500	
		Fuel Oil = Gallons X 138,690	
		Other Fuel	
		TOTAL BTU's x 1,000	
		3,551,948	

Energy Utilization Index =	
Total BTU Consumption/Yr	3,551,948.395
Gross Area (ft)2	124,889
Divided by 100,000 =	0.2844
	THERMS

COST / SQ. FT. / YEAR \$0.58

WATER / SQ. FT. / YEAR \$0.27

BUILDING: Center for Performing Arts  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		M (LBS)	PURCHASED STEAM		Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)		Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	80	\$0.058	0	0.00	\$12.10	0	\$4.50	\$0	\$2,027
August	1	218	100%	265	\$0.059	1	0.00	\$12.10	0	\$4.50	\$0	\$3,421
September	137	80	100%	281	\$0.060	94	0.43	\$12.10	0	\$4.50	\$0	\$4,812
October	385	2	100%	180	\$0.057	265	0.68	\$12.10	0	\$4.50	\$0	\$7,197
November	587	0	100%	120	\$0.054	404	0.69	\$12.10	0	\$4.50	\$0	\$8,734
December	916	0	100%	84	\$0.054	630	0.69	\$12.10	0	\$4.50	\$0	\$11,777
1st half yr	2026	736		135	\$0.057	1,393.88	0.50	\$12.10	0	\$4.50	\$0	\$37,968
January	1070	0	100%	66	\$0.053	736	0.69	\$12.10	0	\$4.50	\$0	\$12,632
February	922	0	100%	80	\$0.053	634	0.69	\$12.10	0	\$4.50	\$0	\$11,577
March	445	19	100%	159	\$0.058	306	0.66	\$12.10	0	\$4.50	\$0	\$8,023
April	464	4	100%	143	\$0.055	319	0.68	\$12.10	0	\$4.50	\$0	\$7,517
May	90	97	100%	325	\$0.054	62	0.33	\$12.10	0	\$4.50	\$0	\$4,060
June	26	218	100%	254	\$0.050	18	0.07	\$12.10	0	\$4.50	\$0	\$3,330
2nd half yr	3017	338		122	\$0.054	2,076	0.62	\$12.10	0	\$4.50	\$0	\$47,140
TOTAL/YEAR	5043	1074		128	\$0.055	3,469.56	0.57	\$12.10	0	\$4.50	\$0	\$85,108

Building Data: 1976 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = kWh X 3413

2,663,858

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

3,469,563

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

6,133,421

Energy Utilization Index =

Total BTU Consumption/Yr 6,133,421,279

Gross Area (ft) 2

64,983

Divided by 100,000 =

0.9439

THERMS

COST / SQ. FT. / YEAR \$1.31

WATER / SQ. FT. / YEAR \$0.05

BUILDING: Center for Visual Arts  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	358	\$0.073	271	0.62	\$5.44	\$11,392	0	\$4.50	\$0	\$12,867
August	1	218	100%	752	\$0.073	269	1.23	\$6.03	\$12,025	0	\$4.50	\$0	\$13,648
September	137	80	100%	708	\$0.073	237	1.09	\$4.20	\$11,221	0	\$4.50	\$0	\$12,217
October	385	2	100%	431	\$0.073	201	0.52	\$3.94	\$12,167	0	\$4.50	\$0	\$12,959
November	587	0	100%	421	\$0.073	674	1.15	\$4.01	\$18,019	0	\$4.50	\$0	\$20,723
December	916	0	100%	69	\$0.073	605	0.66	\$4.23	\$4,639	0	\$4.50	\$0	\$7,197
1st half yr	2026	736		345	\$0.073	2,257.00	0.82	\$4.50	\$69,464	0	\$4.50	\$0	\$79,611
January	1070	0	100%	94	\$0.073	534	0.50	\$4.44	\$7,349	0	\$4.50	\$0	\$9,720
February	922	0	100%	112	\$0.073	709	0.77	\$3.91	\$7,564	0	\$4.50	\$0	\$10,337
March	445	19	100%	220	\$0.073	658	1.42	\$4.37	\$7,446	0	\$4.50	\$0	\$10,320
April	464	4	100%	203	\$0.073	726	1.55	\$4.18	\$6,928	0	\$4.50	\$0	\$9,964
May	90	97	100%	508	\$0.066	792	4.24	\$3.82	\$6,267	0	\$4.50	\$0	\$9,290
June	26	218	100%	552	\$0.066	462	1.89	\$3.49	\$8,893	0	\$4.50	\$0	\$10,507
2nd half yr	3017	338		188	\$0.070	3,881	1.16	\$4.04	\$44,448	0	\$4.50	\$0	\$60,138
TOTAL/YEAR	5043	1074		259	\$0.072	6,138.00	1.00	\$4.21	\$113,912	0	\$4.50	\$0	\$139,750

Building Data: 1991

Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

5,400,933

Natural Gas = MCF X 102,500

629,145

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

6,030,078

Energy Utilization Index =

Total BTU Consumption/Yr

6,030,077,567

Gross Area (ft) 2

51,899

Divided by 100,000 =

1.1619

THERMS

COST / SQ. FT. / YEAR \$2.69

WATER / SQ. FT. / YEAR \$0.35

BUILDING: Child Care Center  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf		Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	32,081	\$0.058	9	0.02	\$12.59	0	\$4.50	\$0	\$1,968
August	1	218	100%	29,176	\$0.059	5	0.02	\$15.66	0	\$4.50	\$0	\$1,790
September	137	80	100%	20,580	\$0.060	10	0.04	\$12.37	0	\$4.50	\$0	\$1,359
October	385	2	100%	17,644	\$0.057	24	0.06	\$3.39	0	\$4.50	\$0	\$1,092
November	587	0	100%	14,860	\$0.054	67	0.11	\$4.01	0	\$4.50	\$0	\$1,076
December	916	0	100%	14,303	\$0.054	118	0.13	\$3.89	0	\$4.50	\$0	\$1,227
1st half yr	2026	736		128,644	\$0.057	232.10	0.08	\$4.82	0	\$4.50	\$0	\$8,512
January	1070	0	100%	14,175	\$0.053	127	0.12	\$1.88	0	\$4.50	\$0	\$984
February	922	0	100%	14,476	\$0.053	201	0.22	\$3.80	0	\$4.50	\$0	\$1,530
March	445	19	100%	17,477	\$0.058	241	0.52	\$4.63	0	\$4.50	\$0	\$2,136
April	464	4	100%	14,674	\$0.055	170	0.36	\$5.95	0	\$4.50	\$0	\$1,809
May	90	97	100%	19,672	\$0.054	149	0.80	\$6.17	0	\$4.50	\$0	\$1,991
June	26	218	100%	24,173	\$0.050	95	0.39	\$6.63	0	\$4.50	\$0	\$1,841
2nd half yr	3017	338		104,646	\$0.054	983	0.29	\$4.76	0	\$4.50	\$0	\$10,291
TOTAL/YEAR	5043	1074		233,290	\$0.056	1,215.10	0.20	\$4.77	0	\$4.50	\$0	\$18,804

Building Data:	1996	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	15,941	Electricity = KWH X 3413	796,219
Gross Volume (ft)3	127,528	Natural Gas = MCF X 102,500	124,548
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	920,767
		Energy Utilization Index =	
		Total BTU Consumption/Yr	920,766,861
		Gross Area (ft) 2	15,941
		Divided by 100,000 =	0.5776
		THERMS	

COST / SQ. FT. / YEAR \$1.18

WATER / SQ. FT. / YEAR \$0.30

BUILDING: Computer Center  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			NATURAL GAS		FUEL OIL			TOTAL ENERGY COST				
	heating	Cooling	% P.F.	kWhg	kWhg per DD	Cost per kWhg	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf		TOTAL	Load-sg'd gours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	207,887	477	\$0.058	\$12,012	78	0.18	\$5.57	\$435	0	\$4.50	\$0	\$12,447
August	1	218	100%	204,137	932	\$0.059	\$11,986	64	0.29	\$6.70	\$429	0	\$4.50	\$0	\$12,415
September	137	80	100%	184,303	849	\$0.060	\$11,097	83	0.38	\$4.88	\$405	0	\$4.50	\$0	\$11,502
October	385	2	100%	181,227	468	\$0.057	\$10,381	66	0.17	\$4.04	\$266	0	\$4.50	\$0	\$10,647
November	587	0	100%	176,875	301	\$0.054	\$9,623	92	0.16	\$4.01	\$369	0	\$4.50	\$0	\$9,992
December	916	0	100%	192,240	210	\$0.054	\$10,335	134	0.15	\$3.84	\$514	0	\$4.50	\$0	\$10,849
1st half yr	2026	736		1,146,669	415	\$0.057	\$65,434	517.00	0.19	\$4.68	\$2,418	0	\$4.50	\$0	\$67,852
January	1070	0	100%	160,619	150	\$0.053	\$8,440	153	0.14	\$3.93	\$602	0	\$4.50	\$0	\$9,042
February	922	0	100%	182,196	198	\$0.053	\$9,616	161	0.17	\$3.76	\$605	0	\$4.50	\$0	\$10,221
March	445	19	100%	182,196	393	\$0.058	\$10,640	240	0.52	\$3.72	\$892	0	\$4.50	\$0	\$11,532
April	464	4	100%	174,629	373	\$0.055	\$9,524	135	0.29	\$3.81	\$515	0	\$4.50	\$0	\$10,038
May	90	97	100%	192,763	1,031	\$0.054	\$10,490	98	0.52	\$3.37	\$330	0	\$4.50	\$0	\$10,820
June	26	218	100%	187,017	766	\$0.050	\$9,382	80	0.33	\$2.85	\$228	0	\$4.50	\$0	\$9,610
2nd half yr	3017	338		1,079,420	322	\$0.054	\$58,091	867	0.26	\$3.66	\$3,172	0	\$4.50	\$0	\$61,263
TOTAL YEAR	5043	1074		2,226,089	364	\$0.055	\$123,525	1,384.00	0.23	\$4.04	\$5,590	0	\$4.50	\$0	\$129,114

Building Data:	1966	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	32,872	Electricity = KWH X 3413	7,597,642
Gross Volume (ft)3	262,976	Natural Gas = MCF X 102,500	141,860
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	7,739,502
		Energy Utilization Index =	
		Total BTU Consumption/Yr	7,739,502,098
		Gross Area (ft) 2	32,872
		Divided by 100,000 =	2.3544
			THERMS

COST / SQ. FT. / YEAR \$3.93

WATER / SQ. FT. / YEAR \$0.18

BUILDING: Crossings  
FY YEAR: 2012  
DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM		NATURAL GAS		TOTAL ENERGY COST					
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)		100 cubic feet (Mcf)	Cost per McF	TOTAL		
July	0	436	100%	169,769	389	\$0.058	\$9,810	0	0.00	\$12.10	\$0	3	\$5.57	\$17	\$9,827
August	1	218	100%	208,401	952	\$0.059	\$12,236	2	0.01	\$12.10	\$29	3	\$6.70	\$20	\$12,266
September	137	80	100%	245,246	1,130	\$0.060	\$14,767	332	1.53	\$12.10	\$4,019	3	\$4.88	\$15	\$18,800
October	385	2	100%	256,819	664	\$0.057	\$14,711	933	2.41	\$12.10	\$11,294	33	\$4.04	\$133	\$26,138
November	587	0	100%	248,748	424	\$0.054	\$13,534	1,423	2.42	\$12.10	\$17,220	47	\$4.01	\$188	\$30,942
December	916	0	100%	233,911	255	\$0.054	\$12,575	2,221	2.42	\$12.10	\$26,871	49	\$3.84	\$188	\$39,634
1st half yr	2026	736		1,362,893	493	\$0.057	\$77,632	4,911.82	1.78	\$12.10	\$59,433	138.00	\$4.07	\$561	\$137,626
January	1070	0	100%	219,573	205	\$0.053	\$11,538	2,594	2.42	\$12.10	\$31,389	30	\$3.93	\$118	\$43,045
February	922	0	100%	230,964	251	\$0.053	\$12,189	2,235	2.42	\$12.10	\$27,047	11	\$3.76	\$41	\$39,278
March	445	19	100%	232,682	501	\$0.058	\$13,588	1,079	2.33	\$12.10	\$13,054	54	\$3.72	\$201	\$26,843
April	464	4	100%	215,289	460	\$0.055	\$11,741	1,125	2.40	\$12.10	\$13,611	21	\$3.81	\$80	\$25,433
May	90	97	100%	114,171	611	\$0.054	\$6,213	218	1.17	\$12.10	\$2,640	36	\$3.37	\$121	\$8,975
June	26	218	100%	94,218	386	\$0.050	\$4,726	63	0.26	\$12.10	\$763	25	\$2.85	\$71	\$5,560
2nd half yr	3017	338		1,106,897	330	\$0.054	\$59,996	7,314	2.18	\$12.10	\$88,504	177	\$3.57	\$633	\$149,133
TOTAL/YEAR	5043	1074		2,469,789	404	\$0.056	\$137,627	12,226.20	2.00	\$12.10	\$147,937	315	\$3.79	\$1,194	\$286,758

Building Data:	2002	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	228,990	Electricity = KWH X 3413	8,429,391
Gross Volume (ft)3	1,831,920	Steam = M (lbs) X 1,000,000	12,226,202
General Notes:		Natural Gas = MCF X 102,500	32,288
		Other Fuel	0
		TOTAL BTU's x 1,000	20,687,880

Energy Utilization Index =  
Total BTU Consumption/Yr 20,687,879,836  
Gross Area (ft) 2 228,990  
Divided by 100,000 = 0.9034 THERMS

COST / SQ. FT. / YEAR \$1.25  
WATER / SQ. FT. / YEAR \$0.20

BUILDING: Dowd Nash White  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	ELECTRICITY		M (LBS)	PURCHASED STEAM		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)		Load-shed Hours	Cost per Gal	
July	0	436	100%	18,387	42	\$0.058	0	0.00	\$12.10	\$0	0	\$4.50	\$1,062
August	1	218	100%	24,001	110	\$0.059	1	0.00	\$12.10	\$10	0	\$4.50	\$1,419
September	137	80	100%	29,756	137	\$0.060	116	0.53	\$12.10	\$1,405	0	\$4.50	\$3,196
October	385	2	100%	29,575	76	\$0.057	326	0.84	\$12.10	\$3,947	0	\$4.50	\$5,641
November	587	0	100%	28,582	49	\$0.054	497	0.85	\$12.10	\$6,018	0	\$4.50	\$7,573
December	916	0	100%	26,306	29	\$0.054	776	0.85	\$12.10	\$9,391	0	\$4.50	\$10,805
1st half yr	2026	736		156,608	57	\$0.057	1,716.64	0.62	\$12.10	\$20,771	0	\$4.50	\$29,698
January	1070	0	100%	24,015	22	\$0.053	907	0.85	\$12.10	\$10,970	0	\$4.50	\$12,232
February	922	0	100%	25,877	28	\$0.053	781	0.85	\$12.10	\$9,453	0	\$4.50	\$10,818
March	445	19	100%	19,076	41	\$0.058	377	0.81	\$12.10	\$4,562	0	\$4.50	\$5,676
April	464	4	100%	16,928	36	\$0.055	393	0.84	\$12.10	\$4,757	0	\$4.50	\$5,680
May	90	97	100%	11,936	64	\$0.054	76	0.41	\$12.10	\$923	0	\$4.50	\$1,572
June	26	218	100%	10,140	42	\$0.050	22	0.09	\$12.10	\$267	0	\$4.50	\$775
2nd half yr	3017	338		107,972	32	\$0.054	2,556	0.76	\$12.10	\$30,931	0	\$4.50	\$36,754
TOTAL YEAR	5043	1074		264,579	43	\$0.056	4,272.95	0.70	\$12.10	\$51,703	0	\$4.50	\$66,452

Building Data:	1952	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	80,030	Electricity = KWH X 3413	903,009
Gross Volume (ft)3	640,240	Steam = M (lbs) X 1,000,000	4,272,950
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	5,175,960
		Energy Utilization Index =	
		Total BTU Consumption/Yr	5,175,959,969
		Gross Area (ft) 2	80,030
		Divided by 100,000 =	0.6468
			THERMS

COST / SQ. FT. / YEAR \$0.83

WATER / SQ. FT. / YEAR \$0.16

BUILDING: Driscoll Center  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM			FUEL OIL			TOTAL ENERGY COST			
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL		Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	54,574	125	\$0.058	\$3,153	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$3,153
August	1	218	100%	56,787	259	\$0.059	\$3,334	0	0.00	\$12.10	\$5	0	\$4.50	\$0	\$3,339
September	137	80	100%	49,509	228	\$0.060	\$2,981	56	0.26	\$12.10	\$679	0	\$4.50	\$0	\$3,660
October	385	2	100%	47,414	123	\$0.057	\$2,716	158	0.41	\$12.10	\$1,907	0	\$4.50	\$0	\$4,623
November	587	0	100%	50,582	86	\$0.054	\$2,752	240	0.41	\$12.10	\$2,908	0	\$4.50	\$0	\$5,860
December	916	0	100%	61,162	67	\$0.054	\$3,288	375	0.41	\$12.10	\$4,538	0	\$4.50	\$0	\$7,826
1st half yr	2026	736		320,028	116	\$0.057	\$18,225	829.58	0.30	\$12.10	\$10,038	0	\$4.50	\$0	\$28,262
January	1070	0	100%	54,647	51	\$0.053	\$2,872	438	0.41	\$12.10	\$5,301	0	\$4.50	\$0	\$8,173
February	922	0	100%	58,193	63	\$0.053	\$3,071	378	0.41	\$12.10	\$4,568	0	\$4.50	\$0	\$7,639
March	445	19	100%	58,236	126	\$0.058	\$3,401	182	0.39	\$12.10	\$2,205	0	\$4.50	\$0	\$5,606
April	464	4	100%	46,987	100	\$0.055	\$2,563	190	0.41	\$12.10	\$2,299	0	\$4.50	\$0	\$4,862
May	90	97	100%	52,077	278	\$0.054	\$2,834	37	0.20	\$12.10	\$446	0	\$4.50	\$0	\$3,280
June	26	218	100%	46,941	192	\$0.050	\$2,355	11	0.04	\$12.10	\$129	0	\$4.50	\$0	\$2,484
2nd half yr	3017	338		317,091	95	\$0.054	\$17,095	1,235	0.37	\$12.10	\$14,948	0	\$4.50	\$0	\$32,043
TOTAL YEAR	5043	1074		637,120	104	\$0.055	\$35,320	2,064.93	0.34	\$12.10	\$24,986	0	\$4.50	\$0	\$60,306

Building Data: 1977

Energy Consumption to BTU Conversions

BTU's x 1,000

2,174,489

Electricity = KWH X 3413

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

2,064,930

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

4,239,419

Energy Utilization Index =

Total BTU Consumption/Yr

4,239,419,001

Gross Area (ft) 2

38,675

Divided by 100,000 =

1.0962

THERMS

COST / SQ. FT. / YEAR \$1.56

WATER / SQ. FT. / YEAR \$0.15

BUILDING: Gilham Hall  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			M (LBS)	PURCHASED STEAM		TOTAL	FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)		Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	41,238	95	\$0.058	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$2,383
August	1	218	100%	43,691	200	\$0.059	1	0.00	\$12.10	\$12	0	\$4.50	\$0	\$2,577
September	137	80	100%	42,713	197	\$0.060	134	0.62	\$12.10	\$1,621	0	\$4.50	\$0	\$4,193
October	385	2	100%	44,458	115	\$0.057	376	0.97	\$12.10	\$4,555	0	\$4.50	\$0	\$7,101
November	587	0	100%	43,588	74	\$0.054	574	0.98	\$12.10	\$6,944	0	\$4.50	\$0	\$9,316
December	916	0	100%	42,673	47	\$0.054	896	0.98	\$12.10	\$10,837	0	\$4.50	\$0	\$13,131
1st half yr	2026	736		258,361	94	\$0.057	1,980.84	0.72	\$12.10	\$23,968	0	\$4.50	\$0	\$38,700
January	1070	0	100%	40,657	38	\$0.053	1,046	0.98	\$12.10	\$12,658	0	\$4.50	\$0	\$14,795
February	922	0	100%	43,815	48	\$0.053	901	0.98	\$12.10	\$10,907	0	\$4.50	\$0	\$13,220
March	445	19	100%	45,948	99	\$0.058	435	0.94	\$12.10	\$5,264	0	\$4.50	\$0	\$7,948
April	464	4	100%	40,126	86	\$0.055	454	0.97	\$12.10	\$5,489	0	\$4.50	\$0	\$7,678
May	90	97	100%	29,546	158	\$0.054	88	0.47	\$12.10	\$1,065	0	\$4.50	\$0	\$2,673
June	26	218	100%	47,824	196	\$0.050	25	0.10	\$12.10	\$308	0	\$4.50	\$0	\$2,707
2nd half yr	3017	338		247,916	74	\$0.054	2,950	0.88	\$12.10	\$35,692	0	\$4.50	\$0	\$49,019
TOTAL/YEAR	5043	1074		506,277	83	\$0.055	4,930.58	0.81	\$12.10	\$59,660	0	\$4.50	\$0	\$87,719

Building Data:	1953	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	92,347	Electricity = KWH X 3413		1,727,924
Gross Volume (ft)3	738,776	Steam = M (lbs) X 1,000,000		4,930,578
General Notes:		Fuel Oil = Gallons X 138,690		0
		Other Fuel		0
		Total BTU Consumption/Yr		6,658,502,430
		Gross Area (ft) 2		92,347
		Divided by 100,000 =		0.7210
		THERMS		

COST / SQ. FT. / YEAR \$0.95  
 WATER / SQ. FT. / YEAR \$0.09

BUILDING: Glass Bowl Stadium  
FY YEAR: 2012  
DATE: 10/22/12

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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	79,527	182	\$0.058	\$4,595	16	0.04	\$5.57	0	\$4.50	\$0	\$4,685
August	1	218	100%	94,975	434	\$0.059	\$5,576	6	0.03	\$6.70	0	\$4.50	\$0	\$5,617
September	137	80	100%	82,591	381	\$0.060	\$4,973	6	0.03	\$4.88	0	\$4.50	\$0	\$5,002
October	385	2	100%	99,538	257	\$0.057	\$5,702	8	0.02	\$4.04	0	\$4.50	\$0	\$5,734
November	587	0	100%	98,191	167	\$0.054	\$5,342	34	0.06	\$4.01	0	\$4.50	\$0	\$5,478
December	916	0	100%	105,289	115	\$0.054	\$5,660	142	0.16	\$3.84	0	\$4.50	\$0	\$6,205
1st half yr	2026	736		560,112	203	\$0.057	\$31,849	212.00	0.08	\$4.11	0	\$4.50	\$0	\$32,721
January	1070	0	100%	95,814	90	\$0.053	\$5,035	319	0.30	\$3.93	0	\$4.50	\$0	\$6,290
February	922	0	100%	99,348	108	\$0.053	\$5,243	368	0.40	\$3.76	0	\$4.50	\$0	\$6,626
March	445	19	100%	77,466	167	\$0.058	\$4,524	539	1.16	\$3.72	0	\$4.50	\$0	\$6,527
April	464	4	100%	41,655	89	\$0.055	\$2,272	268	0.57	\$3.81	0	\$4.50	\$0	\$3,293
May	90	97	100%	48,679	260	\$0.054	\$2,649	71	0.38	\$3.37	0	\$4.50	\$0	\$2,989
June	26	218	100%	47,527	195	\$0.050	\$2,384	37	0.15	\$2.85	0	\$4.50	\$0	\$2,490
2nd half yr	3017	338		410,489	122	\$0.054	\$22,107	1,602	0.48	\$3.75	0	\$4.50	\$0	\$28,115
TOTAL YEAR	5043	1074		970,601	159	\$0.056	\$53,955	1,814.00	0.30	\$3.79	0	\$4.50	\$0	\$60,836

Building Data:	1937	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	103,578	Electricity = KWH X 3413	3,312,661	
Gross Volume (ft)3	828,624	Natural Gas = MCF X 102,500	185,935	Total BTU Consumption/Yr 3,498,596,472
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2 103,578
		Other Fuel	0	Divided by 100,000 = 0.3378 THERMS
		TOTAL BTU's x 1,000	3,498,596	

COST / SQ. FT. / YEAR \$0.59  
WATER / SQ. FT. / YEAR \$0.19

BUILDING: Grounds  
FY YEAR: 2012

DATE : 10/22/12

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	Load-shed Hours	Cost per Gal	
July	0	436	100%	13,375	31	\$0.058	\$773	14	0.03	\$6.41	0	\$4.50	\$864
August	1	218	100%	12,766	58	\$0.059	\$750	2	0.01	\$10.60	0	\$4.50	\$775
September	137	80	100%	9,942	46	\$0.060	\$599	2	0.01	\$9.32	0	\$4.50	\$618
October	385	2	100%	10,073	26	\$0.057	\$577	3	0.01	\$7.96	0	\$4.50	\$598
November	587	0	100%	9,653	16	\$0.054	\$525	12	0.02	\$5.31	0	\$4.50	\$590
December	916	0	100%	12,821	14	\$0.054	\$689	47	0.05	\$4.59	0	\$4.50	\$906
1st half yr	2026	736		68,630	25	\$0.057	\$3,912	80.66	0.03	\$5.43	0	\$4.50	\$4,351
January	1070	0	100%	12,168	11	\$0.053	\$639	99	0.09	\$4.53	0	\$4.50	\$1,089
February	922	0	100%	12,124	13	\$0.053	\$640	175	0.19	\$3.92	0	\$4.50	\$1,324
March	445	19	100%	10,624	23	\$0.058	\$620	179	0.39	\$4.38	0	\$4.50	\$1,406
April	464	4	100%	8,770	19	\$0.055	\$478	160	0.34	\$4.22	0	\$4.50	\$1,154
May	90	97	100%	10,674	57	\$0.054	\$581	45	0.24	\$5.79	0	\$4.50	\$844
June	26	218	100%	11,564	47	\$0.050	\$580	31	0.13	\$6.40	0	\$4.50	\$776
2nd half yr	3017	338		65,923	20	\$0.054	\$3,539	689	0.21	\$4.43	0	\$4.50	\$6,592
TOTAL YEAR	5043	1074		134,553	22	\$0.055	\$7,451	770.10	0.13	\$4.53	0	\$4.50	\$10,943

Building Data:	1995	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	13,009	Electricity = KWH X 3413	459,228	
Gross Volume (ft)3	104,072	Natural Gas = MCF X 102,500	78,935	Total BTU Consumption/Yr 538,163.475
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2 13,009
		Other Fuel	0	Divided by 100,000 = 0.4137 THERMS
		TOTAL BTU's x 1,000	538,163	

COST / SQ. FT. / YEAR \$0.84

WATER / SQ. FT. / YEAR \$0.16

BUILDING: Health Human Services  
FY YEAR: 2012

DATE: 10/22/12

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	TOTAL	
July	0	436	100%	144,326	331	\$0.058	\$8,340	0	0.00	\$12.10	\$0	0	\$0.00	\$0	\$8,340
August	1	218	100%	155,743	711	\$0.059	\$9,144	2	0.01	\$12.10	\$21	0	\$0.00	\$0	\$9,165
September	137	80	100%	114,432	527	\$0.060	\$6,890	236	1.09	\$12.10	\$2,861	0	\$0.00	\$0	\$9,751
October	385	2	100%	156,615	405	\$0.057	\$8,971	664	1.72	\$12.10	\$8,040	0	\$0.00	\$0	\$17,011
November	587	0	100%	156,615	267	\$0.054	\$8,521	1,013	1.73	\$12.10	\$12,258	0	\$0.00	\$0	\$20,779
December	916	0	100%	97,832	107	\$0.054	\$5,259	1,581	1.73	\$12.10	\$19,128	0	\$0.00	\$0	\$24,387
1st half yr	2026	736		825,563	299	\$0.057	\$47,125	3,496.46	1.27	\$12.10	\$42,307	0.00	\$0.00	\$0	\$89,433
January	1070	0	100%	127,676	119	\$0.053	\$6,709	1,847	1.73	\$12.10	\$22,344	0	\$0.00	\$0	\$29,053
February	922	0	100%	152,084	165	\$0.053	\$8,026	1,591	1.73	\$12.10	\$19,253	0	\$0.00	\$0	\$27,280
March	445	19	100%	123,730	267	\$0.058	\$7,225	768	1.66	\$12.10	\$9,293	0	\$0.00	\$0	\$16,518
April	464	4	100%	127,594	273	\$0.055	\$6,959	801	1.71	\$12.10	\$9,689	0	\$0.00	\$0	\$16,648
May	90	97	100%	114,441	612	\$0.054	\$6,228	155	0.83	\$12.10	\$1,879	0	\$0.00	\$0	\$8,107
June	26	218	100%	118,577	486	\$0.050	\$5,949	45	0.18	\$12.10	\$543	0	\$0.00	\$0	\$6,491
2nd half yr	3017	338		764,102	228	\$0.054	\$41,096	5,207	1.55	\$12.10	\$63,001	0	\$0.00	\$0	\$104,097
TOTAL/YEAR	5043	1074		1,589,665	260	\$0.055	\$88,221	8,703.19	1.42	\$12.10	\$105,309	0	\$0.00	\$0	\$193,530

Building Data: 1961 Energy Consumption to BTU Conversions

Gross Area (ft)2 163,006 BTU's x 1,000 5,425,525

Gross Volume (ft)3 1,304,048 Electricity = KWH X 3413

General Notes: Steam = M (lbs) X 1,000,000 8,703,193

Natural Gas = MCF X 102,500 0

Other Fuel 0

TOTAL BTU's x 1,000 14,128,719

Energy Utilization Index =

Total BTU Consumption/Yr 14,128,718,651

Gross Area (ft) 2 163,006

Divided by 100,000 = 0.8688

THERMS

COST / SQ. FT. / YEAR \$1.19

WATER / SQ. FT. / YEAR \$0.18

BUILDING: Health Education Center  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf		Load-shed Hours	Cost per Gal @20 Gal/Hr TOTAL	
July	0	436	100%	101,776	233	\$0.058	420	0.96	\$5.57	\$2,341	0	\$4.50	\$8,222
August	1	218	100%	97,177	444	\$0.059	342	1.56	\$6.70	\$2,291	0	\$4.50	\$7,997
September	137	80	100%	71,264	328	\$0.060	334	1.54	\$4.88	\$1,630	0	\$4.50	\$5,921
October	385	2	100%	61,397	159	\$0.057	292	0.75	\$4.04	\$1,178	0	\$4.50	\$4,895
November	587	0	100%	61,369	105	\$0.054	535	0.91	\$4.01	\$2,143	0	\$4.50	\$5,482
December	916	0	100%	60,261	66	\$0.054	912	1.00	\$3.84	\$3,501	0	\$4.50	\$6,740
1st half yr	2026	736		453,243	164	\$0.057	2,835.00	1.03	\$4.62	\$13,085	0	\$4.50	\$39,057
January	1070	0	100%	57,252	54	\$0.053	1,265	1.18	\$3.93	\$4,976	0	\$4.50	\$7,985
February	922	0	100%	63,183	69	\$0.053	1,207	1.31	\$3.76	\$4,537	0	\$4.50	\$7,872
March	445	19	100%	66,381	143	\$0.058	1,651	3.56	\$3.72	\$6,137	0	\$4.50	\$10,013
April	484	4	100%	64,185	137	\$0.055	938	2.00	\$3.81	\$3,575	0	\$4.50	\$7,075
May	90	97	100%	10,000	53	\$0.054	626	3.35	\$3.37	\$2,111	0	\$4.50	\$2,855
June	26	218	100%	29,954	123	\$0.050	650	2.66	\$2.85	\$1,851	0	\$4.50	\$3,353
2nd half yr	3017	338		290,954	87	\$0.054	6,337	1.89	\$3.66	\$23,187	0	\$4.50	\$38,953
TOTAL/YEAR	5043	1074		744,198	122	\$0.056	9,172.00	1.50	\$3.95	\$36,271	0	\$4.50	\$78,011

Building Data:	1967	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	79,016	Electricity = KWH X 3413	2,539,946
Gross Volume (ft)3	632,128	Natural Gas = MCF X 102,500	940,130
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,480,076
		Energy Utilization Index =	
		Total BTU Consumption/Yr	3,480,076.409
		Gross Area (ft) 2	79,016
		Divided by 100,000 =	0.4404
		THERMS	

COST / SQ. FT. / YEAR \$0.99

WATER / SQ. FT. / YEAR \$0.18

BUILDING: International House  
FY YEAR: 2012

DATE : 10/22/12

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	TOTAL
July	0	436	100%	57,733	132	\$0.058	\$3,336	0	0.00	\$12.10	5	\$16.09	\$74	\$3,410
August	1	218	100%	112,725	515	\$0.059	\$6,619	1	0.01	\$12.10	5	\$15.66	\$77	\$6,713
September	137	80	100%	131,997	608	\$0.060	\$7,948	201	0.93	\$12.10	24	\$10.37	\$249	\$10,634
October	385	2	100%	135,945	351	\$0.057	\$7,787	566	1.46	\$12.10	37	\$2.78	\$102	\$14,740
November	587	0	100%	130,250	222	\$0.054	\$7,086	863	1.47	\$12.10	69	\$4.84	\$335	\$17,867
December	916	0	100%	115,494	126	\$0.054	\$6,209	1,347	1.47	\$12.10	66	\$4.90	\$324	\$22,893
1st half yr	2026	736		684,144	248	\$0.057	\$38,985	2,979.48	1.08	\$12.10	205.50	\$5.95	\$1,161	\$76,197
January	1070	0	100%	112,287	105	\$0.053	\$5,900	1,574	1.47	\$12.10	19	\$3.81	\$71	\$25,011
February	922	0	100%	120,595	131	\$0.053	\$6,364	1,356	1.47	\$12.10	69	\$4.88	\$337	\$23,108
March	445	19	100%	122,076	263	\$0.058	\$7,129	654	1.41	\$12.10	50	\$4.49	\$225	\$15,272
April	464	4	100%	114,325	244	\$0.055	\$6,235	682	1.46	\$12.10	69	\$5.11	\$352	\$14,844
May	90	97	100%	77,830	416	\$0.054	\$4,235	132	0.71	\$12.10	57	\$5.64	\$321	\$6,158
June	26	218	100%	62,442	256	\$0.050	\$3,132	38	0.16	\$12.10	64	\$7.25	\$466	\$4,061
2nd half yr	3017	338		609,556	182	\$0.054	\$32,996	4,437	1.32	\$12.10	328	\$5.41	\$1,771	\$88,454
TOTAL/YEAR	5043	1074		1,293,699	211	\$0.056	\$71,981	7,416.34	1.21	\$12.10	533	\$5.50	\$2,932	\$164,651

Building Data: 1994 Energy Consumption to BTU Conversions

Gross Area (ft)2 138,904 Electricity = KWH X 3413 BTU's x 1,000 4,415,395

Gross Volume (ft)3 1,111,232 Steam = M (lbs) X 1,000,000 7,416,343

General Notes: Natural Gas = MCF X 102,500 54,643

Other Fuel 0

TOTAL BTU's x 1,000 11,886,381

COST / SQ. FT. / YEAR \$1.19

WATER / SQ. FT. / YEAR \$0.29

Energy Utilization Index =

Total BTU Consumption/Yr 11,886,380,905  
Gross Area (ft) 2 138,904

Divided by 100,000 =

0.8557 THERMS

BUILDING: Lake Erie Center  
FY YEAR: 2012

DATE : 10/22/12

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	436	100%	89,650	206	\$0.058	\$5,180	263	0.60	\$5.45	\$1,434	0	\$4.50	\$0
August	1	218	100%	86,300	394	\$0.059	\$5,067	1	0.00	\$39.09	\$39	0	\$4.50	\$0
September	137	80	100%	77,700	358	\$0.060	\$4,678	2	0.01	\$20.94	\$42	0	\$4.50	\$0
October	385	2	100%	62,300	161	\$0.057	\$3,569	1	0.00	\$36.89	\$37	0	\$4.50	\$0
November	587	0	100%	47,000	80	\$0.054	\$2,557	243	0.41	\$4.22	\$1,025	0	\$4.50	\$0
December	916	0	100%	47,400	52	\$0.054	\$2,548	355	0.39	\$4.32	\$1,534	0	\$4.50	\$0
1st half yr	2026	736		410,350	149	\$0.058	\$23,600	865.00	0.31	\$4.75	\$4,110	0	\$4.50	\$0
January	1070	0	100%	47,400	44	\$0.053	\$2,491	578	0.54	\$4.43	\$2,560	0	\$4.50	\$0
February	922	0	100%	46,400	50	\$0.053	\$2,449	527	0.57	\$3.92	\$2,068	0	\$4.50	\$0
March	445	19	100%	46,400	100	\$0.058	\$2,710	576	1.24	\$4.38	\$2,526	0	\$4.50	\$0
April	464	4	100%	49,600	106	\$0.055	\$2,705	447	0.96	\$4.25	\$1,900	0	\$4.50	\$0
May	90	97	100%	51,900	278	\$0.054	\$2,824	411	2.20	\$4.16	\$1,708	0	\$4.50	\$0
June	26	218	100%	89,650	367	\$0.050	\$4,497	456	1.87	\$3.47	\$1,581	0	\$4.50	\$0
2nd half yr	3017	338		331,350	99	\$0.053	\$17,676	2,995	0.89	\$4.12	\$12,342	0	\$4.50	\$0
TOTAL/YEAR	5043	1074		741,700	121	\$0.056	\$41,275	3,860.00	0.63	\$4.26	\$16,452	0	\$4.50	\$0
														\$57,728

Building Data:	1997	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	34,054	Electricity = KWH X 3413	2,531,422
Gross Volume (ft)3	272,432	Natural Gas = MCF X 102,500	395,650
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,927,072
		Energy Utilization Index =	
		Total BTU Consumption/Yr	2,927,072,100
		Gross Area (ft) 2	34,054
		Divided by 100,000 =	0.8595
			THERMS

COST / SQ. FT. / YEAR \$1.70

WATER / SQ. FT. / YEAR \$0.11

BUILDING: Larimer Athletic Complex  
FY YEAR: 2012

DATE : 10/22/12

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		Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
					TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL				
July	0	436	100%	207,242	475	\$0.058	\$11,975	193	0.44	\$5.57	\$1,076	0	\$4.50	\$0
August	1	218	100%	199,239	910	\$0.059	\$11,698	33	0.15	\$6.70	\$221	0	\$4.50	\$0
September	137	80	100%	163,832	755	\$0.060	\$9,865	45	0.21	\$4.88	\$220	0	\$4.50	\$0
October	385	2	100%	138,529	358	\$0.057	\$7,935	85	0.22	\$4.04	\$343	0	\$4.50	\$0
November	587	0	100%	121,473	207	\$0.054	\$6,609	179	0.30	\$4.01	\$717	0	\$4.50	\$0
December	916	0	100%	109,202	119	\$0.054	\$5,871	317	0.35	\$3.84	\$1,217	0	\$4.50	\$0
1st half yr	2026	736		939,517	340	\$0.057	\$53,952	852.00	0.31	\$4.45	\$3,793	0	\$4.50	\$0
January	1070	0	100%	94,076	88	\$0.053	\$4,943	283	0.26	\$3.93	\$1,113	0	\$4.50	\$0
February	922	0	100%	94,639	103	\$0.053	\$4,995	334	0.36	\$3.76	\$1,255	0	\$4.50	\$0
March	445	19	100%	118,137	255	\$0.058	\$6,899	441	0.95	\$3.72	\$1,639	0	\$4.50	\$0
April	464	4	100%	116,496	249	\$0.055	\$6,353	275	0.59	\$3.81	\$1,048	0	\$4.50	\$0
May	90	97	100%	152,479	815	\$0.054	\$8,298	154	0.82	\$3.37	\$519	0	\$4.50	\$0
June	26	218	100%	168,717	691	\$0.050	\$8,464	158	0.65	\$2.85	\$450	0	\$4.50	\$0
2nd half yr	3017	338		744,542	222	\$0.054	\$39,952	1,645	0.49	\$3.66	\$6,025	0	\$4.50	\$0
TOTAL/YEAR	5043	1074		1,684,059	275	\$0.056	\$93,904	2,497.00	0.41	\$3.93	\$9,819	0	\$4.50	\$0
														\$103,723

Building Data:	1990	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	32,139	Electricity = KWH X 3413	5,747,694
Gross Volume (ft)3	257,112	Natural Gas = MCF X 102,500	255,943
General Notes:		Fuel Oil = Gallons X 138,700	0
		Other Fuel	0
		TOTAL BTU's x 1,000	6,003,637

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{6,003,636,550}{32,139}$$

$$\text{Divided by } 100,000 = 1.8680 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$3.23

WATER / SQ. FT. / YEAR \$0.39

BUILDING: Law Center  
FY YEAR: 2012

DATE : 10/22/12

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	TOTAL	
July	0	436	100%	255,333	586	\$0.058	\$14,754	0	0.00	\$12.10	\$0	1	\$50.18	\$25	\$14,779
August	1	218	100%	261,249	1,193	\$0.059	\$15,339	1	0.01	\$12.10	\$16	1	\$43.05	\$26	\$15,381
September	137	80	100%	265,892	1,225	\$0.060	\$16,010	182	0.84	\$12.10	\$2,201	1	\$50.18	\$25	\$18,235
October	385	2	100%	267,791	692	\$0.057	\$15,339	511	1.32	\$12.10	\$6,184	0	\$53.90	\$22	\$21,545
November	587	0	100%	242,145	413	\$0.054	\$13,174	779	1.33	\$12.10	\$9,429	1	\$26.90	\$24	\$22,628
December	916	0	100%	253,061	276	\$0.054	\$13,604	1,216	1.33	\$12.10	\$14,714	1	\$25.08	\$25	\$28,344
1st half yr	2026	736		1,545,472	560	\$0.057	\$88,221	2,689.65	0.97	\$12.10	\$32,545	3.90	\$37.66	\$147	\$120,912
January	1070	0	100%	255,794	239	\$0.053	\$13,441	1,420	1.33	\$12.10	\$17,188	1	\$36.12	\$22	\$30,651
February	922	0	100%	273,817	297	\$0.053	\$14,451	1,224	1.33	\$12.10	\$14,811	1	\$25.14	\$25	\$29,287
March	445	19	100%	287,786	620	\$0.058	\$16,806	591	1.27	\$12.10	\$7,148	1	\$25.81	\$26	\$23,980
April	464	4	100%	257,696	551	\$0.055	\$14,054	616	1.32	\$12.10	\$7,453	4	\$6.66	\$27	\$21,534
May	90	97	100%	271,393	1,451	\$0.054	\$14,769	119	0.64	\$12.10	\$1,446	1	\$28.72	\$26	\$16,241
June	26	218	100%	261,078	1,070	\$0.050	\$13,097	35	0.14	\$12.10	\$418	4	\$11.54	\$51	\$13,566
2nd half yr	3017	338		1,607,563	479	\$0.054	\$86,618	4,005	1.19	\$12.10	\$48,464	12	\$14.78	\$176	\$135,257
TOTAL YEAR	5043	1074		3,153,035	515	\$0.055	\$174,839	6,694.91	1.09	\$12.10	\$81,008	16	\$20.43	\$323	\$256,170

Building Data:	1972	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	125,392	Electricity = KWH X 3413	10,761,307
Gross Volume (ft)3	1,003,136	Steam = M (lbs) X 1,000,000	6,694,912
General Notes:		Natural Gas = MCF X 102,500	1,620
		Other Fuel	0
		TOTAL BTU's x 1,000	17,457,839

Energy Utilization Index =

Total BTU Consumption/Yr	17,457,838.576
Gross Area (ft) 2	125,392
Divided by 100,000 =	1.3923
	THERMS

COST / SQ. FT. / YEAR \$2.04

WATER / SQ. FT. / YEAR \$0.06

BUILDING: Levis House  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY				NATURAL GAS			FUEL OIL			TOTAL ENERGY COST		
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours		Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	7,048	16	\$0.058	\$407	22	0.05	\$10.52	\$227	0	\$4.50	\$0	\$634
August	1	218	100%	6,275	29	\$0.059	\$368	11	0.05	\$11.87	\$135	0	\$4.50	\$0	\$504
September	137	80	100%	5,464	25	\$0.060	\$329	18	0.08	\$10.83	\$194	0	\$4.50	\$0	\$523
October	385	2	100%	2,553	7	\$0.057	\$146	49	0.13	\$2.49	\$121	0	\$4.50	\$0	\$267
November	587	0	100%	3,605	6	\$0.054	\$196	64	0.11	\$6.02	\$383	0	\$4.50	\$0	\$579
December	916	0	100%	5,255	6	\$0.054	\$283	28	0.03	\$5.85	\$164	0	\$4.50	\$0	\$447
1st half yr	2026	736		30,200	11	\$0.057	\$1,730	191.10	0.07	\$6.41	\$1,224	0	\$4.50	\$0	\$2,954
January	1070	0	100%	6,091	6	\$0.053	\$320	18	0.02	\$3.88	\$69	0	\$4.50	\$0	\$389
February	922	0	100%	6,993	8	\$0.053	\$369	32	0.03	\$5.10	\$163	0	\$4.50	\$0	\$532
March	445	19	100%	5,136	11	\$0.058	\$300	34	0.07	\$5.62	\$191	0	\$4.50	\$0	\$491
April	464	4	100%	3,609	8	\$0.055	\$197	33	0.07	\$5.95	\$197	0	\$4.50	\$0	\$394
May	90	97	100%	3,044	16	\$0.054	\$166	32	0.17	\$6.01	\$191	0	\$4.50	\$0	\$357
June	26	218	100%	4,070	17	\$0.050	\$204	53	0.22	\$5.10	\$271	0	\$4.50	\$0	\$475
2nd half yr	3017	338		28,943	9	\$0.054	\$1,556	202	0.06	\$5.36	\$1,082	0	\$4.50	\$0	\$2,638
TOTAL/YEAR	5043	1074		59,143	10	\$0.095	\$5,643	392.90	0.06	\$5.87	\$2,306	0	\$4.50	\$0	\$7,949

Building Data:	1920	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	6,457	Electricity = KWH X 3413	201,855
Gross Volume (ft)3	51,856	Natural Gas = MCF X 102,500	40,272
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	242,127
		Energy Utilization Index =	
		Total BTU Consumption/Yr	242,127,309
		Gross Area (ft) 2	6,457
		Divided by 100,000 =	0.3750
			THERMS

COST / SQ. FT. / YEAR \$1.23

WATER /SQ. FT. / YEAR \$0.48

BUILDING: Libby Hall  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY		M (LBS)	PURCHASED STEAM		NATURAL GAS		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (Lbs) per DD	Cost per M(Lbs)	TOTAL
July	0	436	100%	2,639	6	\$0.058	\$153	0	\$12.10	\$0
August	1	218	100%	2,742	13	\$0.059	\$161	0	\$12.10	\$2
September	137	80	100%	2,671	12	\$0.060	\$161	24	\$12.10	\$294
October	385	2	100%	2,765	7	\$0.057	\$158	68	\$12.10	\$827
November	587	0	100%	2,609	4	\$0.054	\$142	104	\$12.10	\$1,261
December	916	0	100%	2,908	3	\$0.054	\$156	163	\$12.10	\$1,968
1st half yr	2026	736		16,335	6	\$0.057	\$931	359.65	\$12.10	\$4,352
January	1070	0	100%	1,980	2	\$0.053	\$104	190	\$12.10	\$2,298
February	922	0	100%	1,934	2	\$0.053	\$102	164	\$12.10	\$1,980
March	445	19	100%	2,575	6	\$0.058	\$150	79	\$12.10	\$956
April	464	4	100%	2,636	6	\$0.055	\$144	82	\$12.10	\$997
May	90	97	100%	2,519	13	\$0.054	\$137	16	\$12.10	\$193
June	26	218	100%	383	2	\$0.050	\$19	5	\$12.10	\$56
2nd half yr	3017	338		12,027	4	\$0.055	\$657	536	\$12.10	\$6,480
TOTAL/YEAR	5043	1074		28,362	5	\$0.056	\$1,588	895.22	\$12.10	\$10,832

Building Data:	1935	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	16,767	Electricity = KWH X 3413	96,799
Gross Volume (ft)3	134,136	Steam = M (lbs) X 1,000,000	895,221
General Notes:		Natural Gas = MCF X 102,500	19,906
		Other Fuel	0
		TOTAL BTU's x 1,000	1,011,926

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

1,011,925,985  
 16,767  
 0.6035

THERMS

COST / SQ. FT. / YEAR \$0.80  
 WATER / SQ. FT. / YEAR \$0.11

BUILDING: MacKinnon Hall  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY		M (LBS)	PURCHASED STEAM		Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS) per DD	Cost per M(Lbs)	TOTAL	
July	0	436	100%	13,001	30	\$0.058	\$751	0	\$12.10	\$0	\$751
August	1	218	100%	17,624	80	\$0.059	\$1,035	0	\$12.10	\$5	\$1,040
September	137	80	100%	23,441	108	\$0.060	\$1,411	61	\$12.10	\$733	\$2,145
October	385	2	100%	24,752	64	\$0.057	\$1,418	170	\$12.10	\$2,061	\$3,479
November	587	0	100%	24,034	41	\$0.054	\$1,308	260	\$12.10	\$3,142	\$4,450
December	916	0	100%	22,593	25	\$0.054	\$1,215	405	\$12.10	\$4,904	\$6,118
1st half yr	2026	736		125,444	45	\$0.057	\$7,137	896.33	\$12.10	\$10,846	\$17,983
January	1070	0	100%	22,716	21	\$0.053	\$1,194	473	\$12.10	\$5,728	\$6,922
February	922	0	100%	24,459	27	\$0.053	\$1,291	408	\$12.10	\$4,936	\$6,226
March	445	19	100%	24,753	53	\$0.058	\$1,445	197	\$12.10	\$2,382	\$3,828
April	464	4	100%	21,919	47	\$0.055	\$1,195	205	\$12.10	\$2,484	\$3,679
May	90	97	100%	15,789	84	\$0.054	\$859	40	\$12.10	\$482	\$1,341
June	26	218	100%	14,155	58	\$0.050	\$710	12	\$12.10	\$139	\$849
2nd half yr	3017	338		123,790	37	\$0.054	\$6,695	1,335	\$12.10	\$16,151	\$22,845
TOTAL/YEAR	5043	1074		249,234	41	\$0.055	\$13,832	2,231.09	\$12.10	\$26,996	\$40,828

Building Data:	1938	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	41,787	Electricity = KWH X 3413	850,635
Gross Volume (ft)3	334,296	Steam = M (lbs) X 1,000,000	2,231,086
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,081,721

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft}^2\text{)}} = \frac{3,081,720,572}{41,787}$$

$$\text{Divided by } 100,000 = 0.7375 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$0.98

WATER / SQ. FT. / YEAR \$0.20

BUILDING: McComas Village  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	23,203	53	\$0.058	38	0.09	\$15.61	\$598	0	\$4.50	\$0	\$1,939
August	1	218	100%	102,099	466	\$0.059	47	0.22	\$15.47	\$730	0	\$4.50	\$0	\$6,725
September	137	80	100%	105,317	485	\$0.060	108	0.50	\$11.32	\$1,219	0	\$4.50	\$0	\$7,560
October	385	2	100%	87,874	227	\$0.057	149	0.38	\$3.51	\$523	0	\$4.50	\$0	\$5,557
November	587	0	100%	76,045	130	\$0.054	324	0.55	\$4.73	\$1,530	0	\$4.50	\$0	\$5,667
December	916	0	100%	63,673	70	\$0.054	436	0.48	\$4.23	\$1,840	0	\$4.50	\$0	\$5,263
1st half yr	2026	736		458,213	166	\$0.057	1,101.20	0.40	\$5.85	\$6,440	0	\$4.50	\$0	\$32,711
January	1070	0	100%	73,149	68	\$0.053	368	0.34	\$1.85	\$681	0	\$4.50	\$0	\$4,524
February	922	0	100%	74,963	81	\$0.053	699	0.76	\$3.72	\$2,601	0	\$4.50	\$0	\$6,559
March	445	19	100%	70,958	153	\$0.058	784	1.69	\$4.25	\$3,335	0	\$4.50	\$0	\$7,479
April	464	4	100%	62,898	134	\$0.055	692	1.48	\$5.43	\$3,759	0	\$4.50	\$0	\$7,189
May	90	97	100%	41,204	220	\$0.054	629	3.37	\$5.76	\$3,625	0	\$4.50	\$0	\$5,868
June	26	218	100%	31,243	128	\$0.050	502	2.06	\$7.38	\$3,703	0	\$4.50	\$0	\$5,270
2nd half yr	3017	338		354,436	106	\$0.054	3,675	1.10	\$4.82	\$17,704	0	\$4.50	\$0	\$36,889
TOTAL/YEAR	5043	1074		812,649	133	\$0.056	4,776.00	0.78	\$5.06	\$24,145	0	\$4.50	\$0	\$69,600

Building Data:	1990	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	124,533	Electricity = KWH X 3413	2,773,570
Gross Volume (ft)3	996,264	Natural Gas = MCF X 102,500	489,540
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,263,110
		Energy Utilization Index =	
		Total BTU Consumption/Yr	3,263,109,672
		Gross Area (ft) 2	124,533
		Divided by 100,000 =	0.2620
		THERMS	

COST / SQ. FT. / YEAR \$0.56

WATER / SQ. FT. / YEAR \$0.30

BUILDING: McMaster Hall  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM		FUEL OIL			TOTAL ENERGY COST				
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)		TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	103,953	238	\$0.058	\$6,007	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$6,007
August	1	218	100%	107,681	492	\$0.059	\$6,322	1	0.00	\$12.10	\$9	0	\$4.50	\$0	\$6,331
September	137	80	100%	99,435	458	\$0.060	\$5,987	97	0.45	\$12.10	\$1,179	0	\$4.50	\$0	\$7,166
October	385	2	100%	109,845	284	\$0.057	\$6,292	274	0.71	\$12.10	\$3,314	0	\$4.50	\$0	\$9,606
November	587	0	100%	109,426	186	\$0.054	\$5,953	418	0.71	\$12.10	\$5,053	0	\$4.50	\$0	\$11,006
December	916	0	100%	114,843	125	\$0.054	\$6,174	652	0.71	\$12.10	\$7,885	0	\$4.50	\$0	\$14,059
1st half yr	2026	736		645,183	234	\$0.057	\$36,736	1,441.31	0.52	\$12.10	\$17,440	0	\$4.50	\$0	\$54,175
January	1070	0	100%	96,564	90	\$0.053	\$5,074	761	0.71	\$12.10	\$9,211	0	\$4.50	\$0	\$14,285
February	922	0	100%	103,928	113	\$0.053	\$5,485	656	0.71	\$12.10	\$7,937	0	\$4.50	\$0	\$13,421
March	445	19	100%	111,969	241	\$0.058	\$6,539	317	0.68	\$12.10	\$3,831	0	\$4.50	\$0	\$10,369
April	464	4	100%	103,085	220	\$0.055	\$5,622	330	0.71	\$12.10	\$3,994	0	\$4.50	\$0	\$9,616
May	90	97	100%	99,052	530	\$0.054	\$5,390	64	0.34	\$12.10	\$775	0	\$4.50	\$0	\$6,165
June	26	218	100%	98,289	403	\$0.050	\$4,931	18	0.08	\$12.10	\$224	0	\$4.50	\$0	\$5,155
2nd half yr	3017	338		612,887	183	\$0.054	\$33,041	2,146	0.64	\$12.10	\$25,970	0	\$4.50	\$0	\$59,011
TOTAL/YEAR	5043	1074		1,258,070	206	\$0.055	\$69,776	3,587.61	0.59	\$12.10	\$43,410	0	\$4.50	\$0	\$113,186

Building Data:	1987	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	67,194	Electricity = KWH X 3413	4,293,791
Gross Volume (ft)3	537,552	Steam = M (lbs) X 1,000,000	3,587,613
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	7,881,404

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{7,881,403,778}{67,194}$$

$$\text{Divided by } 100,000 = 1.1729 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$1.68

WATER / SQ. FT. / YEAR \$0.09

BUILDING: Memorial Field House  
FY YEAR: 2012

DATE: 10/22/12

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	436	100%	110,353	253	\$0.058	\$6,377	0	0.00	\$12.10	\$0	0	\$4.50	\$0
August	1	218	100%	102,085	466	\$0.059	\$5,994	2	0.01	\$12.10	\$20	0	\$4.50	\$0
September	137	80	100%	101,620	468	\$0.060	\$6,119	226	1.04	\$12.10	\$2,739	0	\$4.50	\$0
October	385	2	100%	106,718	276	\$0.057	\$6,113	636	1.64	\$12.10	\$7,698	0	\$4.50	\$0
November	587	0	100%	101,827	173	\$0.054	\$5,540	970	1.65	\$12.10	\$11,737	0	\$4.50	\$0
December	916	0	100%	110,086	120	\$0.054	\$5,918	1,514	1.65	\$12.10	\$18,315	0	\$4.50	\$0
1st half yr	2026	736		632,688	229	\$0.057	\$36,060	3,347.77	1.21	\$12.10	\$40,508	0	\$4.50	\$0
January	1070	0	100%	93,036	87	\$0.053	\$4,889	1,768	1.65	\$12.10	\$21,394	0	\$4.50	\$0
February	922	0	100%	101,073	110	\$0.053	\$5,334	1,524	1.65	\$12.10	\$18,435	0	\$4.50	\$0
March	445	19	100%	119,988	259	\$0.058	\$7,007	735	1.58	\$12.10	\$8,897	0	\$4.50	\$0
April	464	4	100%	104,083	222	\$0.055	\$5,676	767	1.64	\$12.10	\$9,277	0	\$4.50	\$0
May	90	97	100%	102,983	551	\$0.054	\$5,604	149	0.80	\$12.10	\$1,799	0	\$4.50	\$0
June	26	218	100%	110,293	452	\$0.050	\$5,533	43	0.18	\$12.10	\$520	0	\$4.50	\$0
2nd half yr	3017	338		631,455	188	\$0.054	\$34,043	4,985	1.49	\$12.10	\$60,322	0	\$4.50	\$0
TOTAL YEAR	5043	1074		1,264,143	207	\$0.055	\$70,103	8,333.08	1.36	\$12.10	\$100,830	0	\$4.50	\$0
														\$170,934

Building Data:	1931	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	156,074	Electricity = KWH X 3413	4,314,520
Gross Volume (ft)3	1,248,592	Steam = M (lbs) X 1,000,000	8,333,081
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	12,647,601

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft}^2\text{)}} = \frac{12,647,600,722}{156,074}$$

$$\text{Divided by } 100,000 = 0.8104 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$1.10

WATER / SQ. FT. / YEAR \$0.07

BUILDING: Nitschke Hall  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)				ELECTRICITY			PURCHASED STEAM			FUEL OIL			TOTAL ENERGY COST	
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	Load-shed Hours	Cost per Gal		@20 Gal/Hr TOTAL
July	0	436	100%	284,816	653	\$0.058	\$16,458	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$16,458
August	1	218	100%	262,294	1,198	\$0.059	\$15,400	1	0.01	\$12.10	\$17	0	\$4.50	\$0	\$15,417
September	137	80	100%	181,779	838	\$0.060	\$10,945	192	0.88	\$12.10	\$2,319	0	\$4.50	\$0	\$13,265
October	385	2	100%	151,005	390	\$0.057	\$8,650	539	1.39	\$12.10	\$6,518	0	\$4.50	\$0	\$15,168
November	587	0	100%	132,796	226	\$0.054	\$7,225	821	1.40	\$12.10	\$9,938	0	\$4.50	\$0	\$17,163
December	916	0	100%	132,080	144	\$0.054	\$7,101	1,282	1.40	\$12.10	\$15,508	0	\$4.50	\$0	\$22,609
1st half yr	2026	736		1,144,770	414	\$0.057	\$65,778	2,834.80	1.03	\$12.10	\$34,301	0	\$4.50	\$0	\$100,079
January	1070	0	100%	114,568	107	\$0.053	\$6,020	1,497	1.40	\$12.10	\$18,116	0	\$4.50	\$0	\$24,136
February	922	0	100%	125,516	136	\$0.053	\$6,624	1,290	1.40	\$12.10	\$15,610	0	\$4.50	\$0	\$22,234
March	445	19	100%	167,307	361	\$0.058	\$9,770	623	1.34	\$12.10	\$7,534	0	\$4.50	\$0	\$17,304
April	464	4	100%	139,021	297	\$0.055	\$7,582	649	1.39	\$12.10	\$7,856	0	\$4.50	\$0	\$15,437
May	90	97	100%	206,672	1,105	\$0.054	\$11,247	126	0.67	\$12.10	\$1,524	0	\$4.50	\$0	\$12,771
June	26	218	100%	225,486	924	\$0.050	\$11,312	36	0.15	\$12.10	\$440	0	\$4.50	\$0	\$11,752
2nd half yr	3017	338		978,569	292	\$0.054	\$52,555	4,221	1.26	\$12.10	\$51,079	0	\$4.50	\$0	\$103,634
TOTAL/YEAR	5043	1074		2,123,340	347	\$0.056	\$118,333	7,056.21	1.15	\$12.10	\$85,380	0	\$4.50	\$0	\$203,713

Building Data:	1993	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft2)	132,159	Electricity = KWH X 3413	7,246,858
Gross Volume (ft3)	1,057,272	Steam = M (lbs) X 1,000,000	7,056,215
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	14,303,172

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft}^2\text{)}} = \frac{14,303,172,410}{132,159}$$

$$\text{Divided by } 100,000 = 1.0823 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$1.54

WATER / SQ. FT. / YEAR \$0.18

BUILDING: Nitschke Technology Commercialization Complex  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		TOTAL	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh	kWh per DD		1000 cubic feet (Mcf)	Mcf per DD		Load-shed Hours	Cost per Gal	
July	0	436	100%	31,014	71	\$0.058	200	0.46	\$5.57	0	\$4.50	\$2,907
August	1	218	100%	32,434	148	\$0.059	174	0.79	\$6.70	0	\$4.50	\$3,070
September	137	80	100%	23,000	106	\$0.060	161	0.74	\$4.88	0	\$4.50	\$2,171
October	385	2	100%	24,000	62	\$0.057	238	0.61	\$4.04	0	\$4.50	\$2,335
November	587	0	100%	45,400	77	\$0.054	257	0.44	\$4.01	0	\$4.50	\$3,500
December	916	0	100%	45,400	50	\$0.054	454	0.50	\$3.84	0	\$4.50	\$4,183
1st half yr	2026	736		201,248	73	\$0.056	1,484.00	0.54	\$4.58	0	\$4.50	\$18,166
January	1070	0	100%	45,400	42	\$0.053	599	0.56	\$3.93	0	\$4.50	\$4,742
February	922	0	100%	45,400	49	\$0.053	803	0.87	\$3.76	0	\$4.50	\$5,414
March	445	19	100%	45,400	98	\$0.058	850	1.83	\$3.72	0	\$4.50	\$5,811
April	464	4	100%	45,400	97	\$0.055	410	0.88	\$3.81	0	\$4.50	\$4,039
May	90	97	100%	45,400	243	\$0.054	267	1.43	\$3.37	0	\$4.50	\$3,371
June	26	218	100%	45,400	186	\$0.050	278	1.14	\$2.85	0	\$4.50	\$3,069
2nd half yr	3017	338		272,400	81	\$0.054	3,207	0.96	\$3.68	0	\$4.50	\$26,446
TOTAL/YEAR	5043	1074		473,648	77	\$0.055	4,691.00	0.77	\$3.96	0	\$4.50	\$44,611

Building Data:	2010	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	39,961	Electricity = KWH X 3413	1,616,561
Gross Volume (ft)3	319,688	Natural Gas = MCF X 102,500	480,828
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,097,388

Energy Utilization Index =  
 Total BTU Consumption/Yr 2,097,388,124  
 Gross Area (ft) 2 39,961  
 Divided by 100,000 = 0.5249 THERMS

COST / SQ. FT. / YEAR \$1.12

WATER / SQ. FT. / YEAR \$0.11

BUILDING: North Engineering  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY		M (LBS)	PURCHASED STEAM		Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS) per DD	Cost per M(Lbs)	TOTAL	
July	0	436	100%	406,418	932	\$0.058	\$23,484	0	\$12.10	\$0	\$23,484
August	1	218	100%	377,930	1,726	\$0.059	\$22,190	3	\$12.10	\$32	\$22,222
September	137	80	100%	314,413	1,449	\$0.060	\$18,931	367	\$12.10	\$4,438	\$23,370
October	385	2	100%	278,002	718	\$0.057	\$15,924	1,031	\$12.10	\$12,473	\$28,397
November	587	0	100%	232,860	397	\$0.054	\$12,669	1,572	\$12.10	\$19,017	\$31,686
December	916	0	100%	253,612	277	\$0.054	\$13,634	2,453	\$12.10	\$29,676	\$43,310
1st half yr	2026	736		1,863,235	675	\$0.057	\$106,833	5,424.55	\$12.10	\$65,637	\$172,470
January	1070	0	100%	223,844	209	\$0.053	\$11,762	2,865	\$12.10	\$34,665	\$46,428
February	922	0	100%	237,729	258	\$0.053	\$12,546	2,469	\$12.10	\$29,870	\$42,417
March	445	19	100%	268,901	580	\$0.058	\$15,703	1,191	\$12.10	\$14,417	\$30,120
April	464	4	100%	241,048	515	\$0.055	\$13,146	1,242	\$12.10	\$15,032	\$28,178
May	90	97	100%	320,868	1,716	\$0.054	\$17,461	241	\$12.10	\$2,916	\$20,377
June	26	218	100%	331,421	1,358	\$0.050	\$16,626	70	\$12.10	\$842	\$17,468
2nd half yr	3017	338		1,623,812	484	\$0.054	\$87,245	8,078	\$12.10	\$97,743	\$184,988
TOTAL/YEAR	5043	1074		3,487,047	570	\$0.056	\$194,078	13,502.48	\$12.10	\$163,380	\$357,458

Building Data:	1954	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	252,894	Electricity = KWH X 34.13	11,901,292
Gross Volume (ft)3	2,023,152	Steam = M (lbs) X 1,000,000	13,502,481
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	25,403,773
		Energy Utilization Index =	
		Total BTU Consumption/Yr	25,403,772.888
		Gross Area (ft) 2	252,894
		Divided by 100,000 =	1.0045
			THERMS

COST / SQ. FT. / YEAR \$1.41

WATER / SQ. FT. / YEAR \$0.18

BUILDING: Ottawa House E&W  
FY YEAR: 2012

DATE: 10/22/12

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	436	100%	134,750	309	\$0.058	\$7,786	0	0.00	\$12.10	\$0	117	\$9.38	\$1,098	\$8,884
	1	218	100%	209,012	954	\$0.059	\$12,272	3	0.01	\$12.10	\$35	127	\$9.32	\$1,187	\$13,493
	137	80	100%	252,571	1,164	\$0.060	\$15,208	394	1.81	\$12.10	\$4,761	333	\$8.94	\$2,978	\$22,947
October	385	2	100%	257,534	665	\$0.057	\$14,752	1,106	2.86	\$12.10	\$13,380	449	\$1.41	\$633	\$28,766
	587	0	100%	238,096	406	\$0.054	\$12,954	1,686	2.87	\$12.10	\$20,401	887	\$4.02	\$3,559	\$36,914
	916	0	100%	216,534	236	\$0.054	\$11,641	2,631	2.87	\$12.10	\$31,835	984	\$3.86	\$3,797	\$47,272
1st half yr	2026	736		1,308,497	474	\$0.057	\$74,612	5,819.21	2.11	\$12.10	\$70,412	2,897.10	\$4.57	\$13,252	\$158,277
January	1070	0	100%	212,923	199	\$0.053	\$11,189	3,073	2.87	\$12.10	\$37,187	257	\$1.57	\$402	\$48,778
	922	0	100%	232,645	252	\$0.053	\$12,278	2,648	2.87	\$12.10	\$32,044	1,104	\$4.19	\$4,624	\$48,945
	445	19	100%	89,553	193	\$0.058	\$5,230	1,278	2.75	\$12.10	\$15,466	743	\$3.36	\$2,497	\$23,192
April	464	4	100%	84,068	180	\$0.055	\$4,585	1,333	2.85	\$12.10	\$16,126	1,040	\$4.50	\$4,682	\$25,383
	90	97	100%	69,949	374	\$0.054	\$3,807	259	1.38	\$12.10	\$3,128	898	\$4.57	\$4,100	\$11,035
	26	218	100%	72,166	296	\$0.050	\$3,620	75	0.31	\$12.10	\$904	666	\$9.61	\$6,395	\$10,919
2nd half yr	3017	338		761,304	227	\$0.053	\$40,708	8,666	2.58	\$12.10	\$104,854	4,707	\$4.82	\$22,701	\$168,263
TOTAL/YEAR	5043	1074		2,069,801	338	\$0.056	\$115,320	14,484.84	2.37	\$12.10	\$175,267	7,604	\$4.73	\$35,953	\$326,540

Building Data:	2005	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	271,293	Electricity = KWH X 3413	7,064,229
Gross Volume (ft)3	2,170,344	Steam = M (lbs) X 1,000,000	14,484,838
General Notes:		Natural Gas = MCF X 102,500	779,379
		Other Fuel	0
		TOTAL BTU's x 1,000	22,328,446

Energy Utilization Index =

Total BTU Consumption/Yr 22,328,446,307

Gross Area (ft) 2

271,293

Divided by 100,000 =

0.8230

THERMS

COST / SQ. FT. / YEAR \$1.20

WATER / SQ. FT. / YEAR \$0.21

BUILDING: Palmer Hall  
 FY YEAR: 2012  
 DATE: 10/22/12

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	436	100%	152,886	351	\$0.058	\$8,834	0	0.00	\$12.10	0	\$4.50	\$0
August	1	218	100%	145,707	665	\$0.059	\$8,555	1	0.00	\$12.10	0	\$4.50	\$0
September	137	80	100%	135,118	623	\$0.060	\$8,136	97	0.45	\$12.10	0	\$4.50	\$0
October	385	2	100%	107,698	278	\$0.057	\$6,169	273	0.71	\$12.10	0	\$4.50	\$0
November	587	0	100%	84,036	143	\$0.054	\$4,572	417	0.71	\$12.10	0	\$4.50	\$0
December	916	0	100%	94,164	103	\$0.054	\$5,062	650	0.71	\$12.10	0	\$4.50	\$0
1st half yr	2026	736		719,609	261	\$0.057	\$41,328	1,438.00	0.52	\$12.10	0	\$4.50	\$0
January	1070	0	100%	79,552	74	\$0.053	\$4,180	759	0.71	\$12.10	0	\$4.50	\$0
February	922	0	100%	86,201	93	\$0.053	\$4,549	654	0.71	\$12.10	0	\$4.50	\$0
March	445	19	100%	97,161	209	\$0.058	\$5,674	316	0.68	\$12.10	0	\$4.50	\$0
April	464	4	100%	95,853	205	\$0.055	\$5,227	329	0.70	\$12.10	0	\$4.50	\$0
May	90	97	100%	116,653	624	\$0.054	\$6,348	64	0.34	\$12.10	0	\$4.50	\$0
June	26	218	100%	125,893	516	\$0.050	\$6,316	18	0.08	\$12.10	0	\$4.50	\$0
2nd half yr	3017	338		601,313	179	\$0.054	\$32,295	2,141	0.64	\$12.10	0	\$4.50	\$0
TOTAL/YEAR	5043	1074		1,320,921	216	\$0.056	\$73,623	3,579.39	0.59	\$12.10	0	\$4.50	\$14,623

Building Data:	1971	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	67,040	Electricity = KWH X 3413	4,508,303
Gross Volume (ft)3	536,320	Steam = M (lbs) X 1,000,000	3,579,390
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	8,087,694
		Total BTU Consumption/Yr	8,087,693,602
		Gross Area (ft) 2	67,040
		Divided by 100,000 =	1.2064
			THERMS

COST / SQ. FT. / YEAR \$1.96  
 WATER / SQ. FT. / YEAR \$0.18

BUILDING: Parks Tower  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			M (LBS)	PURCHASED STEAM			NATURAL GAS			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per Mcf	TOTAL	
July	0	436	100%	79,119	181	\$0.058	0	0.00	\$12.10	\$0	35	\$5.57	\$195	\$4,767
August	1	218	100%	205,043	936	\$0.059	2	0.01	\$12.10	\$21	20	\$6.70	\$134	\$12,194
September	137	80	100%	236,839	1,091	\$0.060	241	1.11	\$12.10	\$2,917	30	\$4.88	\$146	\$17,324
October	385	2	100%	245,233	634	\$0.057	678	1.75	\$12.10	\$8,198	286	\$4.04	\$1,154	\$23,399
November	587	0	100%	229,635	391	\$0.054	1,033	1.76	\$12.10	\$12,499	571	\$4.01	\$2,288	\$27,280
December	916	0	100%	214,002	234	\$0.054	1,612	1.76	\$12.10	\$19,504	631	\$3.84	\$2,422	\$33,431
1st half yr	2026	736		1,209,870	438	\$0.057	3,565.25	1.29	\$12.10	\$43,140	1,573.00	\$4.03	\$6,340	\$118,396
January	1070	0	100%	215,137	201	\$0.053	1,883	1.76	\$12.10	\$22,783	507	\$3.93	\$1,994	\$36,083
February	922	0	100%	229,652	249	\$0.053	1,622	1.76	\$12.10	\$19,632	154	\$3.76	\$579	\$32,331
March	445	19	100%	236,788	510	\$0.058	783	1.69	\$12.10	\$9,475	846	\$3.72	\$3,145	\$26,448
April	464	4	100%	219,995	470	\$0.055	817	1.74	\$12.10	\$9,880	383	\$3.81	\$1,480	\$23,337
May	90	97	100%	97,184	520	\$0.054	158	0.85	\$12.10	\$1,916	548	\$3.37	\$1,848	\$9,053
June	26	218	100%	69,447	285	\$0.050	46	0.19	\$12.10	\$554	417	\$2.85	\$1,187	\$5,225
2nd half yr	3017	338		1,088,202	318	\$0.054	5,309	1.58	\$12.10	\$64,241	2,855	\$3.58	\$10,213	\$132,477
TOTAL/YEAR	5043	1074		2,278,072	372	\$0.056	8,874.42	1.45	\$12.10	\$107,380	4,428	\$3.74	\$16,552	\$250,872

Building Data: 1971 Energy Consumption to BTU Conversions

Gross Area (ft)2 166,213 BTU's x 1,000 7,775,060

Electricity = KWH X 3413

Gross Volume (ft)3 1,329,704 Steam = M (lbs) X 1,000,000 8,874,421

General Notes: Natural Gas = MCF X 102,500 453,870

Other Fuel 0

TOTAL BTU's x 1,000 17,103,351

Energy Utilization Index =

Total BTU Consumption/Yr 17,103,351,482

Gross Area (ft) 2 166,213

Divided by 100,000 = 1.0290

THERMS

COST / SQ. FT. / YEAR \$1.51

WATER / SQ. FT. / YEAR \$0.49

BUILDING: Peterson House  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			NATURAL GAS			FUEL OIL			TOTAL ENERGY COST		
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours		Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	2,260	5	\$0.058	\$131	1	0.00	\$47.13	\$28	0	\$4.50	\$0	\$159
August	1	218	100%	2,240	10	\$0.059	\$132	1	0.00	\$50.18	\$25	0	\$4.50	\$0	\$157
September	137	80	100%	2,320	11	\$0.060	\$140	1	0.00	\$50.18	\$25	0	\$4.50	\$0	\$165
October	385	2	100%	2,500	6	\$0.057	\$143	1	0.00	\$16.80	\$22	0	\$4.50	\$0	\$165
November	587	0	100%	1,430	2	\$0.054	\$78	8	0.01	\$3.86	\$32	0	\$4.50	\$0	\$109
December	916	0	100%	1,980	2	\$0.054	\$106	23	0.03	\$3.18	\$74	0	\$4.50	\$0	\$180
1st half yr	2026	736		12,730	5	\$0.057	\$729	34.30	0.01	\$5.99	\$206	0	\$4.50	\$0	\$935
January	1070	0	100%	2,240	2	\$0.053	\$118	25	0.02	\$1.16	\$29	0	\$4.50	\$0	\$147
February	922	0	100%	2,400	3	\$0.053	\$127	42	0.05	\$3.40	\$144	0	\$4.50	\$0	\$271
March	445	19	100%	1,770	4	\$0.058	\$103	49	0.10	\$4.25	\$207	0	\$4.50	\$0	\$310
April	464	4	100%	1,170	3	\$0.055	\$64	33	0.07	\$6.26	\$208	0	\$4.50	\$0	\$272
May	90	97	100%	990	5	\$0.054	\$54	29	0.16	\$6.48	\$191	0	\$4.50	\$0	\$244
June	26	218	100%	1,930	8	\$0.050	\$97	14	0.06	\$8.34	\$115	0	\$4.50	\$0	\$212
2nd half yr	3017	338		10,500	3	\$0.054	\$562	193	0.06	\$4.64	\$894	0	\$4.50	\$0	\$1,457
TOTAL/YEAR	5043	1074		23,230	4	\$0.076	\$1,757	227.20	0.04	\$4.84	\$1,100	0	\$4.50	\$0	\$2,857

Building Data:	1936	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	4,316	Electricity = KWH X 3413	79,284
Gross Volume (ft)3	34,528	Natural Gas = MCF X 102,500	23,288
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	102,572
Energy Utilization Index =			
		Total BTU Consumption/Yr	102,571,980
		Gross Area (ft) 2	4,316
		Divided by 100,000 =	0.2377
			THERMS

COST / SQ. FT. / YEAR \$0.66  
WATER / SQ. FT. / YEAR \$0.07

BUILDING: Plant Operations  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			NATURAL GAS			FUEL OIL		TOTAL ENERGY COST				
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf		TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	28,262	65	\$0.058	\$1,633	34	0.08	\$6.41	\$217	0	\$4.50	\$0	\$1,850
August	1	218	100%	26,814	122	\$0.059	\$1,574	6	0.03	\$10.60	\$60	0	\$4.50	\$0	\$1,634
September	137	80	100%	21,233	98	\$0.060	\$1,278	5	0.02	\$9.32	\$46	0	\$4.50	\$0	\$1,324
October	385	2	100%	20,869	54	\$0.057	\$1,195	6	0.02	\$7.96	\$50	0	\$4.50	\$0	\$1,246
November	587	0	100%	22,038	38	\$0.054	\$1,199	29	0.05	\$5.31	\$153	0	\$4.50	\$0	\$1,352
December	916	0	100%	26,197	29	\$0.054	\$1,408	112	0.12	\$4.59	\$514	0	\$4.50	\$0	\$1,922
1st half yr	2026	736		145,415	53	\$0.057	\$8,289	191.34	0.07	\$5.43	\$1,040	0	\$4.50	\$0	\$9,328
January	1070	0	100%	26,235	25	\$0.053	\$1,379	236	0.22	\$4.53	\$1,067	0	\$4.50	\$0	\$2,446
February	922	0	100%	25,821	28	\$0.053	\$1,363	414	0.45	\$3.92	\$1,623	0	\$4.50	\$0	\$2,986
March	445	19	100%	24,646	53	\$0.058	\$1,439	426	0.92	\$4.38	\$1,863	0	\$4.50	\$0	\$3,303
April	464	4	100%	20,345	43	\$0.055	\$1,110	380	0.81	\$4.22	\$1,603	0	\$4.50	\$0	\$2,712
May	90	97	100%	24,745	132	\$0.054	\$1,347	108	0.58	\$5.79	\$623	0	\$4.50	\$0	\$1,970
June	26	218	100%	25,752	106	\$0.050	\$1,292	72	0.30	\$6.40	\$464	0	\$4.50	\$0	\$1,756
2nd half yr	3017	338		147,545	44	\$0.054	\$7,929	1,636	0.49	\$4.43	\$7,244	0	\$4.50	\$0	\$15,173
TOTAL YEAR	5043	1074		292,959	48	\$0.055	\$16,217	1,826.90	0.30	\$4.53	\$8,284	0	\$4.50	\$0	\$24,501

Building Data: 1995 Energy Consumption to BTU Conversions

Gross Area (ft)2 30,861 BTU's x 1,000 999,870

Electricity = KWH X 3413

Gross Volume (ft)3 246,888 Natural Gas = MCF X 102,500

General Notes: Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000 1,187,127

Energy Utilization Index =

Total BTU Consumption/Yr 1,187,126,799

Gross Area (ft) 2 30,861

Divided by 100,000 = 0.3847

THERMS

COST / SQ. FT. / YEAR \$0.79

WATER / SQ. FT. / YEAR \$0.16

BUILDING: Research and Technology 1  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			NATURAL GAS			FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	Load-shed Hours	Cost per Gal	
July	0	436	100%	178,447	409	\$0.058	200	0.46	\$5.57	0	\$4.50	\$11,426
August	1	218	100%	160,167	731	\$0.059	174	0.79	\$6.70	0	\$4.50	\$10,570
September	137	80	100%	120,312	554	\$0.060	161	0.74	\$4.88	0	\$4.50	\$8,030
October	385	2	100%	115,483	298	\$0.057	238	0.61	\$4.04	0	\$4.50	\$7,575
November	587	0	100%	119,685	204	\$0.054	257	0.44	\$4.01	0	\$4.50	\$7,541
December	916	0	100%	119,685	131	\$0.054	454	0.50	\$3.84	0	\$4.50	\$8,177
1st half yr	2026	736		813,778	295	\$0.057	1,484.00	0.54	\$4.58	0	\$4.50	\$53,319
January	1070	0	100%	119,685	112	\$0.053	599	0.56	\$3.93	0	\$4.50	\$8,645
February	922	0	100%	119,685	130	\$0.053	803	0.87	\$3.76	0	\$4.50	\$9,335
March	445	19	100%	119,685	258	\$0.058	850	1.83	\$3.72	0	\$4.50	\$10,149
April	464	4	100%	119,685	256	\$0.055	410	0.88	\$3.81	0	\$4.50	\$8,090
May	90	97	100%	119,685	640	\$0.054	267	1.43	\$3.37	0	\$4.50	\$7,414
June	26	218	100%	119,685	491	\$0.050	278	1.14	\$2.85	0	\$4.50	\$6,796
2nd half yr	3017	338		718,108	214	\$0.054	3,207	0.96	\$3.68	0	\$4.50	\$50,428
TOTAL YEAR	5043	1074		1,531,886	250	\$0.056	4,691.00	0.77	\$3.96	0	\$4.50	\$103,747

Building Data:	1992	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	55,209	Electricity = KWH X 3413	5,228,326
Gross Volume (ft)3	441,672	Natural Gas = MCF X 102,500	480,828
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	5,709,154
		Energy Utilization Index =	
		Total BTU Consumption/Yr	5,709,153,735
		Gross Area (ft) 2	55,209
		Divided by 100,000 =	1.0341
			THERMS

COST / SQ. FT. / YEAR \$1.88

WATER / SQ. FT. / YEAR \$0.05



BUILDING: Rocket Hall  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			NATURAL GAS			FUEL OIL		TOTAL ENERGY COST				
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf		TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	96,825	222	\$0.058	\$5,595	106	0.24	\$5.90	\$625	0	\$4.50	\$0	\$6,220
August	1	218	100%	105,500	482	\$0.059	\$6,194	86	0.39	\$6.60	\$568	0	\$4.50	\$0	\$6,762
September	137	80	100%	107,731	496	\$0.060	\$6,487	71	0.33	\$4.84	\$344	0	\$4.50	\$0	\$6,830
October	385	2	100%	114,513	296	\$0.057	\$6,559	81	0.21	\$4.44	\$360	0	\$4.50	\$0	\$6,919
November	587	0	100%	109,995	187	\$0.054	\$5,984	131	0.22	\$4.50	\$589	0	\$4.50	\$0	\$6,574
December	916	0	100%	112,671	123	\$0.054	\$6,057	176	0.19	\$4.55	\$800	0	\$4.50	\$0	\$6,857
1st half yr	2026	736		647,234	234	\$0.057	\$36,877	651.00	0.24	\$5.05	\$3,285	0	\$4.50	\$0	\$40,162
January	1070	0	100%	105,200	98	\$0.053	\$5,528	274	0.26	\$4.58	\$1,255	0	\$4.50	\$0	\$6,783
February	922	0	100%	111,862	121	\$0.053	\$5,904	459	0.50	\$3.93	\$1,804	0	\$4.50	\$0	\$7,708
March	445	19	100%	105,488	227	\$0.058	\$6,160	437	0.94	\$4.43	\$1,935	0	\$4.50	\$0	\$8,095
April	464	4	100%	93,806	200	\$0.055	\$5,116	527	1.13	\$4.22	\$2,226	0	\$4.50	\$0	\$7,342
May	90	97	100%	80,980	433	\$0.054	\$4,407	184	0.98	\$4.90	\$902	0	\$4.50	\$0	\$5,309
June	26	218	100%	75,559	310	\$0.050	\$3,790	161	0.66	\$4.54	\$731	0	\$4.50	\$0	\$4,521
2nd half yr	3017	338		572,896	171	\$0.054	\$30,905	2,042	0.61	\$4.34	\$8,853	0	\$4.50	\$0	\$39,757
TOTAL/YEAR	5043	1074		1,220,130	199	\$0.056	\$67,782	2,693.00	0.44	\$4.51	\$12,138	0	\$4.50	\$0	\$79,920

Building Data:	1961	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	109,552	Electricity = KWH X 3413	4,164,302
Gross Volume (ft)3	876,416	Natural Gas = MCF X 102,500	276,033
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	4,440,334
		Total BTU Consumption/Yr	4,440,334.484
		Gross Area (ft) 2	109,552
		Divided by 100,000 =	0.4053
		THERMS	

COST / SQ. FT. / YEAR \$0.73  
 WATER / SQ. FT. / YEAR \$0.12

BUILDING: Savage Hall  
FY YEAR: 2012

DATE : 10/22/12

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	@20 Gal/Hr TOTAL	
July August September	0	436	100%	255,131	585	\$0.058	\$14,742	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$14,742
	1	218	100%	199,840	913	\$0.059	\$11,733	2	0.01	\$12.10	\$26	0	\$4.50	\$0	\$11,759
	137	80	100%	183,560	846	\$0.060	\$11,052	289	1.33	\$12.10	\$3,499	0	\$4.50	\$0	\$14,552
October November December	385	2	100%	179,664	464	\$0.057	\$10,291	813	2.10	\$12.10	\$9,834	0	\$4.50	\$0	\$20,125
	587	0	100%	182,159	310	\$0.054	\$9,911	1,239	2.11	\$12.10	\$14,993	0	\$4.50	\$0	\$24,904
	916	0	100%	207,522	227	\$0.054	\$11,156	1,934	2.11	\$12.10	\$23,396	0	\$4.50	\$0	\$34,553
1st half yr	2026	736		1,207,876	437	\$0.057	\$68,886	4,276.68	1.55	\$12.10	\$51,748	0	\$4.50	\$0	\$120,634
January February March	1070	0	100%	200,635	188	\$0.053	\$10,543	2,259	2.11	\$12.10	\$27,330	0	\$4.50	\$0	\$37,873
	922	0	100%	233,431	253	\$0.053	\$12,319	1,946	2.11	\$12.10	\$23,550	0	\$4.50	\$0	\$35,869
	445	19	100%	220,356	475	\$0.058	\$12,868	939	2.02	\$12.10	\$11,366	0	\$4.50	\$0	\$24,234
April May June	464	4	100%	198,557	424	\$0.055	\$10,829	979	2.09	\$12.10	\$11,851	0	\$4.50	\$0	\$22,680
	90	97	100%	168,041	899	\$0.054	\$9,145	190	1.02	\$12.10	\$2,299	0	\$4.50	\$0	\$11,443
	26	218	100%	185,832	762	\$0.050	\$9,322	55	0.22	\$12.10	\$664	0	\$4.50	\$0	\$9,986
2nd half yr	3017	338		1,206,852	360	\$0.054	\$65,026	6,369	1.90	\$12.10	\$77,060	0	\$4.50	\$0	\$142,086
TOTAL/YEAR	5043	1074		2,414,728	395	\$0.055	\$133,912	10,645.27	1.74	\$12.10	\$128,808	0	\$4.50	\$0	\$262,720

Building Data:	1975	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	199,380	Electricity = KWH X 3413	8,241,467
Gross Volume (ft)3	1,595,040	Steam = M (lbs) X 1,000,000	10,645,269
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	18,886,736

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{18,886,735.515}{199,380}$$

$$\text{Divided by } 100,000 = 0.9473 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$1.32

WATER / SQ. FT. / YEAR \$0.02

BUILDING: Scott Tucker Hall  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			PURCHASED STEAM			FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	20,000	46	\$0.058	0	0.00	\$12.10	0	\$4.50	\$0	\$1,156
August	1	218	100%	20,000	91	\$0.059	0	0.00	\$12.10	0	\$4.50	\$0	\$1,180
September	137	80	100%	6,910	32	\$0.060	62	0.29	\$12.10	0	\$4.50	\$0	\$1,166
October	385	2	100%	9,570	25	\$0.057	174	0.45	\$12.10	0	\$4.50	\$0	\$2,655
November	587	0	100%	9,570	16	\$0.054	285	0.45	\$12.10	0	\$4.50	\$0	\$3,732
December	916	0	100%	20,000	22	\$0.054	414	0.45	\$12.10	0	\$4.50	\$0	\$6,087
1st half yr	2026	736		86,050	31	\$0.057	916.13	0.33	\$12.10	0	\$4.50	\$0	\$15,975
January	1070	0	100%	20,000	19	\$0.053	484	0.45	\$12.10	0	\$4.50	\$0	\$6,905
February	922	0	100%	10,100	11	\$0.053	417	0.45	\$12.10	0	\$4.50	\$0	\$5,578
March	445	19	100%	13,859	30	\$0.058	201	0.43	\$12.10	0	\$4.50	\$0	\$3,244
April	464	4	100%	23,821	51	\$0.055	210	0.45	\$12.10	0	\$4.50	\$0	\$3,838
May	90	97	100%	19,820	105	\$0.054	41	0.22	\$12.10	0	\$4.50	\$0	\$1,560
June	26	218	100%	19,470	80	\$0.050	12	0.05	\$12.10	0	\$4.50	\$0	\$1,119
2nd half yr	3017	338		106,870	32	\$0.054	1,364	0.41	\$12.10	0	\$4.50	\$0	\$22,244
TOTAL YEAR	5043	1074		192,920	32	\$0.055	2,280.37	0.37	\$12.10	0	\$4.50	\$0	\$39,219

Building Data:	1935	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	42,710	Electricity = KWH X 3413	658,436
Gross Volume (ft)3	341,680	Steam = M (lbs) X 1,000,000	2,280,366
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,938,802

Energy Utilization Index =

Total BTU Consumption/Yr 2,938,802,259  
Gross Area (ft) 2 42,710

Divided by 100,000 = 0.6881 THERMS

COST / SQ. FT. / YEAR \$0.89

WATER / SQ. FT. / YEAR \$0.11

BUILDING: Sculptural Studies  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY				NATURAL GAS			FUEL OIL		TOTAL ENERGY COST			
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL		Load-shed Hours	Cost per Gal	@20 Gall/Hr TOTAL
July	0	436	100%	8,000	18	\$0.058	\$462	7	0.02	\$10.60	\$74	0	\$4.50	\$0	\$536
August	1	218	100%	10,400	47	\$0.059	\$611	2	0.01	\$22.81	\$46	0	\$4.50	\$0	\$656
September	137	80	100%	7,600	35	\$0.060	\$458	10	0.05	\$7.92	\$79	0	\$4.50	\$0	\$537
October	385	2	100%	7,000	18	\$0.057	\$401	0	0.00	#DIV/0!	\$37	0	\$4.50	\$0	\$438
November	587	0	100%	9,300	16	\$0.054	\$506	20	0.03	\$6.32	\$126	0	\$4.50	\$0	\$632
December	916	0	100%	8,700	9	\$0.054	\$468	69	0.08	\$5.08	\$351	0	\$4.50	\$0	\$818
1st half yr	2026	736		51,000	18	\$0.057	\$2,905	108.00	0.04	\$6.60	\$713	0	\$4.50	\$0	\$3,618
January	1070	0	100%	7,600	7	\$0.053	\$399	232	0.22	\$4.63	\$1,075	0	\$4.50	\$0	\$1,474
February	922	0	100%	8,300	9	\$0.053	\$438	344	0.37	\$3.95	\$1,358	0	\$4.50	\$0	\$1,796
March	445	19	100%	8,300	18	\$0.058	\$485	356	0.77	\$4.47	\$1,591	0	\$4.50	\$0	\$2,076
April	464	4	100%	9,300	20	\$0.055	\$507	240	0.51	\$4.40	\$1,057	0	\$4.50	\$0	\$1,564
May	90	97	100%	9,300	50	\$0.054	\$506	118	0.63	\$5.74	\$677	0	\$4.50	\$0	\$1,183
June	26	218	100%	5,300	22	\$0.050	\$266	79	0.32	\$6.28	\$496	0	\$4.50	\$0	\$762
2nd half yr	3017	338		48,100	14	\$0.054	\$2,601	1,369	0.41	\$4.57	\$6,254	0	\$4.50	\$0	\$8,855
TOTAL/YEAR	5043	1074		99,100	16	\$0.138	\$13,640	1,477.00	0.24	\$4.72	\$6,967	0	\$4.50	\$0	\$20,607

Building Data:	1994	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	7,502	Electricity = KWH X 3413	338,228
Gross Volume (ft)3	60,016	Natural Gas = MCF X 102,500	151,393
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	489,621

Energy Utilization Index =

Total BTU Consumption/Yr	489,620,800
Gross Area (ft) 2	7,502
Divided by 100,000 =	0.6527
	THERMS

COST / SQ. FT. / YEAR \$2.75

WATER / SQ. FT. / YEAR \$0.93

BUILDING: Snyder Memorial  
FY YEAR: 2012

DATE: 10/22/12

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	@20 Gal/Hr TOTAL	
July	0	436	100%	43,869	101	\$0.058	\$2,535	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$2,535
August	1	218	100%	45,214	206	\$0.059	\$2,655	1	0.00	\$12.10	\$6	0	\$4.50	\$0	\$2,661
September	137	80	100%	44,450	205	\$0.060	\$2,676	70	0.32	\$12.10	\$841	0	\$4.50	\$0	\$3,518
October	385	2	100%	45,159	117	\$0.057	\$2,587	195	0.51	\$12.10	\$2,365	0	\$4.50	\$0	\$4,952
November	587	0	100%	41,216	70	\$0.054	\$2,242	298	0.51	\$12.10	\$3,606	0	\$4.50	\$0	\$5,848
December	916	0	100%	42,522	46	\$0.054	\$2,286	465	0.51	\$12.10	\$5,626	0	\$4.50	\$0	\$7,912
1st half yr	2026	736		262,430	95	\$0.057	\$14,981	1,028.46	0.37	\$12.10	\$12,444	0	\$4.50	\$0	\$27,425
January	1070	0	100%	39,370	37	\$0.053	\$2,069	543	0.51	\$12.10	\$6,572	0	\$4.50	\$0	\$8,641
February	922	0	100%	42,619	46	\$0.053	\$2,249	468	0.51	\$12.10	\$5,663	0	\$4.50	\$0	\$7,912
March	445	19	100%	46,327	100	\$0.058	\$2,705	226	0.49	\$12.10	\$2,733	0	\$4.50	\$0	\$5,439
April	464	4	100%	44,171	94	\$0.055	\$2,409	236	0.50	\$12.10	\$2,850	0	\$4.50	\$0	\$5,259
May	90	97	100%	44,000	235	\$0.054	\$2,394	46	0.24	\$12.10	\$553	0	\$4.50	\$0	\$2,947
June	26	218	100%	44,000	180	\$0.050	\$2,207	13	0.05	\$12.10	\$160	0	\$4.50	\$0	\$2,367
2nd half yr	3017	338		260,487	78	\$0.054	\$14,034	1,532	0.46	\$12.10	\$18,531	0	\$4.50	\$0	\$32,565
TOTAL YEAR	5043	1074		522,917	85	\$0.055	\$29,015	2,559.98	0.42	\$12.10	\$30,976	0	\$4.50	\$0	\$59,991

Building Data: 1959

Gross Area (ft)2 47,947

Gross Volume (ft)3 383,576

General Notes:

Energy Consumption to BTU Conversions  
Electricity = KWH X 3413  
Steam = M (lbs) X 1,000,000  
Fuel Oil = Gallons X 138,690  
Other Fuel

BTU's x 1,000  
1,784,717  
2,559,979  
0  
0  
TOTAL BTU's x 1,000  
4,344,696

Energy Utilization Index =  
Total BTU Consumption/Yr  
Gross Area (ft) 2  
47,947  
4,344,696,209  
0.9061  
THERMS

Divided by 100,000 =

COST / SQ. FT. / YEAR \$1.25

WATER / SQ. FT. / YEAR \$0.09

BUILDING: Stranahan Arboretum  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			NATURAL GAS			FUEL OIL		TOTAL ENERGY COST					
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD			Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	405	1	\$0.058	\$23	1	0.00	\$50.40	\$30	0	\$4.50	\$0	\$54	
August	1	218	100%	658	3	\$0.059	\$39	0	0.00	\$60.88	\$24	0	\$4.50	\$0	\$63	
September	137	80	100%	488	2	\$0.060	\$29	0	0.00	\$78.83	\$24	0	\$4.50	\$0	\$53	
October	385	2	100%	502	1	\$0.057	\$29	4	0.01	\$5.16	\$23	0	\$4.50	\$0	\$51	
November	587	0	100%	505	1	\$0.054	\$27	23	0.04	\$2.37	\$55	0	\$4.50	\$0	\$82	
December	916	0	100%	677	1	\$0.054	\$36	47	0.05	\$3.39	\$159	0	\$4.50	\$0	\$196	
1st half yr	2026	736		3,235	1	\$0.057	\$184	75.80	0.03	\$4.16	\$315	0	\$4.50	\$0	\$499	
January	1070	0	100%	814	1	\$0.053	\$43	40	0.04	\$0.86	\$34	0	\$4.50	\$0	\$77	
February	922	0	100%	1,092	1	\$0.053	\$58	67	0.07	\$3.46	\$233	0	\$4.50	\$0	\$290	
March	445	19	100%	1,451	3	\$0.058	\$85	78	0.17	\$4.00	\$311	0	\$4.50	\$0	\$396	
April	464	4	100%	167	0	\$0.055	\$9	52	0.11	\$5.80	\$301	0	\$4.50	\$0	\$310	
May	90	97	100%	390	2	\$0.054	\$21	51	0.27	\$5.90	\$299	0	\$4.50	\$0	\$320	
June	26	218	100%	363	1	\$0.050	\$18	27	0.11	\$7.51	\$201	0	\$4.50	\$0	\$219	
2nd half yr	3017	338		4,277	1	\$0.055	\$234	314	0.09	\$4.39	\$1,378	0	\$4.50	\$0	\$1,612	
TOTAL YEAR	5043	1074		7,512	1	\$1.991	\$14,960	389.60	0.06	\$4.35	\$1,694	0	\$4.50	\$0	\$16,654	

Building Data:	1932	est	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	7,386		Electricity = KWH X 3413	25,638	
Gross Volume (ft)3	59,088		Natural Gas = MCF X 102,500	39,934	Total BTU Consumption/Yr 65,572,456
General Notes:			Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2 7,386
			Other Fuel	0	Divided by 100,000 = 0.0888
			TOTAL BTU's x 1,000	65,572	THERMS

COST / SQ. FT. / YEAR \$2.25  
WATER / SQ. FT. / YEAR \$0.07

BUILDING: Stranahan Hall  
FY YEAR: 2012

DATE: 10/22/12

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	@20 Gal/Hr TOTAL	
July	0	436	100%	140,173	321	\$0.058	\$8,100	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$8,100
August	1	218	100%	135,808	620	\$0.059	\$7,974	1	0.01	\$12.10	\$16	0	\$4.50	\$0	\$7,989
September	137	80	100%	130,174	600	\$0.060	\$7,838	176	0.81	\$12.10	\$2,126	0	\$4.50	\$0	\$9,964
October	385	2	100%	114,249	295	\$0.057	\$6,544	494	1.28	\$12.10	\$5,975	0	\$4.50	\$0	\$12,519
November	587	0	100%	124,609	212	\$0.054	\$6,780	753	1.28	\$12.10	\$9,109	0	\$4.50	\$0	\$15,889
December	916	0	100%	119,108	130	\$0.054	\$6,403	1,175	1.28	\$12.10	\$14,215	0	\$4.50	\$0	\$20,618
1st half yr	2026	736		764,121	277	\$0.057	\$43,638	2,598.34	0.94	\$12.10	\$31,440	0	\$4.50	\$0	\$75,078
January	1070	0	100%	111,002	104	\$0.053	\$5,833	1,372	1.28	\$12.10	\$16,604	0	\$4.50	\$0	\$22,437
February	922	0	100%	120,503	131	\$0.053	\$6,360	1,182	1.28	\$12.10	\$14,308	0	\$4.50	\$0	\$20,667
March	445	19	100%	141,886	306	\$0.058	\$8,286	571	1.23	\$12.10	\$6,906	0	\$4.50	\$0	\$15,191
April	464	4	100%	126,324	270	\$0.055	\$6,889	595	1.27	\$12.10	\$7,200	0	\$4.50	\$0	\$14,090
May	90	97	100%	92,288	494	\$0.054	\$5,022	115	0.62	\$12.10	\$1,397	0	\$4.50	\$0	\$6,419
June	26	218	100%	125,207	513	\$0.050	\$6,281	33	0.14	\$12.10	\$403	0	\$4.50	\$0	\$6,685
2nd half yr	3017	338		717,211	214	\$0.054	\$38,671	3,869	1.15	\$12.10	\$46,818	0	\$4.50	\$0	\$85,489
TOTAL/YEAR	5043	1074		1,481,332	242	\$0.056	\$82,309	6,467.62	1.06	\$12.10	\$78,258	0	\$4.50	\$0	\$160,567

Building Data:	1984	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	121,135	Electricity = KWH X 3413	5,055,785
Gross Volume (ft)3	969,080	Steam = M (lbs) X 1,000,000	6,467,823
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	11,523,408

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft}^2\text{)}} = \frac{11,523,407,593}{121,135}$$

$$\text{Divided by } 100,000 = 0.9513 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$1.33

WATER / SQ. FT. / YEAR \$0.09

BUILDING: Student Medical Center  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	KWh	ELECTRICITY		TOTAL	M (LBS)	PURCHASED STEAM		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			KWh per DD	Cost per KWh			M (Lbs) per DD	Cost per M(Lbs)			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	28,866	66	\$0.058	\$1,656	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$1,656
August	1	218	100%	26,672	122	\$0.059	\$1,566	0	0.00	\$12.10	\$2	0	\$4.50	\$0	\$1,568
September	137	80	100%	19,779	91	\$0.060	\$1,191	18	0.08	\$12.10	\$221	0	\$4.50	\$0	\$1,412
October	385	2	100%	16,550	43	\$0.057	\$948	51	0.13	\$12.10	\$620	0	\$4.50	\$0	\$1,568
November	587	0	100%	14,926	25	\$0.054	\$812	78	0.13	\$12.10	\$946	0	\$4.50	\$0	\$1,758
December	916	0	100%	16,158	18	\$0.054	\$869	122	0.13	\$12.10	\$1,476	0	\$4.50	\$0	\$2,344
1st half yr	2026	736		122,750	44	\$0.057	\$7,042	269.71	0.10	\$12.10	\$3,264	0	\$4.50	\$0	\$10,306
January	1070	0	100%	14,756	14	\$0.053	\$775	142	0.13	\$12.10	\$1,724	0	\$4.50	\$0	\$2,499
February	922	0	100%	15,834	17	\$0.053	\$836	123	0.13	\$12.10	\$1,485	0	\$4.50	\$0	\$2,321
March	445	19	100%	18,044	39	\$0.058	\$1,054	59	0.13	\$12.10	\$717	0	\$4.50	\$0	\$1,771
April	484	4	100%	17,190	37	\$0.055	\$937	62	0.13	\$12.10	\$747	0	\$4.50	\$0	\$1,685
May	90	97	100%	24,743	132	\$0.054	\$1,346	12	0.06	\$12.10	\$145	0	\$4.50	\$0	\$1,491
June	26	218	100%	26,224	107	\$0.050	\$1,316	3	0.01	\$12.10	\$42	0	\$4.50	\$0	\$1,357
2nd half yr	3017	338		116,790	35	\$0.054	\$6,264	402	0.12	\$12.10	\$4,860	0	\$4.50	\$0	\$11,124
TOTAL/YEAR	5043	1074		239,540	39	\$0.056	\$13,306	671.35	0.11	\$12.10	\$8,123	0	\$4.50	\$0	\$21,430

Building Data:	1991	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	12,574	Electricity = KWH X 3413	817,549	
Gross Volume (ft)3	100,592	Steam = M (lbs) X 1,000,000	671,349	Total BTU Consumption/Yr 1,488,898,573
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2 12,574
		Other Fuel	0	Divided by 100,000 = 1.1841 THERMS
		TOTAL BTU's x 1,000	1,488,899	

COST / SQ. FT. / YEAR \$1.70

WATER / SQ. FT. / YEAR \$0.61

BUILDING: Student Rec Center  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)				ELECTRICITY				NATURAL GAS			FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	392,815	901	\$0.058	\$22,698	1,077	2.47	\$5.53	\$5,951	0	\$4.50	\$0	\$28,649
August	1	218	100%	358,644	1,638	\$0.059	\$21,057	941	4.30	\$6.70	\$6,305	0	\$4.50	\$0	\$27,362
September	137	80	100%	355,045	1,636	\$0.060	\$21,378	876	4.04	\$4.88	\$4,275	0	\$4.50	\$0	\$25,653
October	385	2	100%	284,885	736	\$0.057	\$16,318	1,052	2.72	\$4.04	\$4,246	0	\$4.50	\$0	\$20,564
November	587	0	100%	237,297	404	\$0.054	\$12,911	1,011	1.72	\$4.01	\$4,051	0	\$4.50	\$0	\$16,961
December	916	0	100%	229,954	251	\$0.054	\$12,362	1,246	1.36	\$3.84	\$4,783	0	\$4.50	\$0	\$17,145
1st half yr	2026	736		1,858,639	673	\$0.057	\$106,724	6,203.00	2.25	\$4.77	\$29,609	0	\$4.50	\$0	\$136,334
January	1070	0	100%	205,901	192	\$0.053	\$10,820	1,493	1.40	\$3.93	\$5,873	0	\$4.50	\$0	\$16,693
February	922	0	100%	210,338	228	\$0.053	\$11,101	1,774	1.92	\$3.76	\$6,668	0	\$4.50	\$0	\$17,769
March	445	19	100%	283,236	610	\$0.058	\$16,540	2,036	4.39	\$3.72	\$7,568	0	\$4.50	\$0	\$24,108
April	464	4	100%	256,526	548	\$0.055	\$13,990	1,214	2.59	\$3.81	\$4,627	0	\$4.50	\$0	\$18,617
May	90	97	100%	360,582	1,928	\$0.054	\$19,623	1,115	5.96	\$3.37	\$3,760	0	\$4.50	\$0	\$23,383
June	26	218	100%	374,008	1,533	\$0.050	\$18,762	1,153	4.73	\$2.85	\$3,283	0	\$4.50	\$0	\$22,045
2nd half yr	3017	338		1,690,590	504	\$0.054	\$90,835	8,785	2.62	\$3.62	\$31,779	0	\$4.50	\$0	\$122,614
TOTAL YEAR	5043	1074		3,549,229	580	\$0.056	\$197,560	14,988.00	2.45	\$4.10	\$61,388	0	\$4.50	\$0	\$258,948

Building Data:	1990	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	157,446	Electricity = KWH X 3413	12,113,520	
Gross Volume (ft)3	1,259,568	Natural Gas = MCF X 102,500	1,536,270	Total BTU Consumption/Yr 13,649,789,601
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2 157,446
		Other Fuel	0	Divided by 100,000 = 0.8670
		TOTAL BTU's x 1,000	13,649,790	THERMS

COST / SQ. FT. / YEAR \$1.64  
WATER / SQ. FT. / YEAR \$0.13

BUILDING: Student Union  
FY YEAR: 2012

DATE : 10/22/12

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	436	100%	167,667	385	\$0.058	\$9,688	0	0.00	\$12.10	\$0	60	\$5.57	\$334	\$10,023
August	1	218	100%	218,776	999	\$0.059	\$12,845	2	0.01	\$12.10	\$28	67	\$6.70	\$449	\$13,322
September	137	80	100%	244,192	1,125	\$0.060	\$14,703	321	1.48	\$12.10	\$3,883	55	\$4.88	\$268	\$18,854
October	385	2	100%	243,611	629	\$0.057	\$13,954	902	2.33	\$12.10	\$10,911	171	\$4.04	\$690	\$25,555
November	587	0	100%	219,778	374	\$0.054	\$11,957	1,375	2.34	\$12.10	\$16,836	277	\$4.01	\$1,110	\$29,703
December	916	0	100%	199,379	218	\$0.054	\$10,718	2,145	2.34	\$12.10	\$25,960	267	\$3.84	\$1,025	\$37,703
1st half yr	2026	736		1,293,402	468	\$0.057	\$73,867	4,745.26	1.72	\$12.10	\$57,418	897.00	\$4.32	\$3,876	\$135,161
January	1070	0	100%	204,609	191	\$0.053	\$10,752	2,506	2.34	\$12.10	\$30,324	178	\$3.93	\$700	\$41,776
February	922	0	100%	229,418	249	\$0.053	\$12,108	2,159	2.34	\$12.10	\$26,130	72	\$3.76	\$271	\$38,508
March	445	19	100%	227,899	491	\$0.058	\$13,308	1,042	2.25	\$12.10	\$12,611	295	\$3.72	\$1,097	\$27,016
April	464	4	100%	223,233	477	\$0.055	\$12,174	1,087	2.32	\$12.10	\$13,150	136	\$3.81	\$518	\$25,843
May	90	97	100%	186,080	995	\$0.054	\$10,126	211	1.13	\$12.10	\$2,551	201	\$3.37	\$678	\$13,355
June	26	218	100%	149,314	612	\$0.050	\$7,490	61	0.25	\$12.10	\$737	153	\$2.85	\$436	\$8,663
2nd half yr	3017	338		1,220,552	364	\$0.054	\$65,959	7,066	2.11	\$12.10	\$85,503	1,035	\$3.57	\$3,699	\$155,161
TOTAL/YEAR	5043	1074		2,513,954	411	\$0.056	\$139,826	11,811.61	1.93	\$12.10	\$142,921	1,932	\$3.92	\$7,576	\$290,322

Building Data: 1959 Energy Consumption to BTU Conversions

Gross Area (ft)2 221,225 BTU's x 1,000 8,580,126

Electricity = KWH X 3413

Gross Volume (ft)3 1,769,800 Steam = M (lbs) X 1,000,000 11,811,614

General Notes: Natural Gas = MCF X 102,500 198,030

Other Fuel

0

TOTAL BTU's x 1,000

20,589,770

Energy Utilization Index =

Total BTU Consumption/Yr 20,589,770.379  
Gross Area (ft) 2 221,225

Divided by 100,000 =

0.9307

THERMS

COST / SQ. FT. / YEAR \$1.31

WATER / SQ. FT. / YEAR \$0.51

BUILDING: Sullivan Hall  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY		M (LBS)	PURCHASED STEAM		FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)	Load-shed Hours	Cost per Gal @20 Gal/Hr TOTAL	
July	0	436	14	\$0.058	0	0.00	\$12.10	0	\$4.50	\$364
August	1	218	31	\$0.059	0	0.00	\$12.10	0	\$4.50	\$405
September	137	80	33	\$0.060	19	0.09	\$12.10	0	\$4.50	\$666
October	385	2	19	\$0.057	55	0.14	\$12.10	0	\$4.50	\$1,088
November	587	0	12	\$0.054	83	0.14	\$12.10	0	\$4.50	\$1,384
December	916	0	7	\$0.054	130	0.14	\$12.10	0	\$4.50	\$1,912
1st half yr	2026	736	15	\$0.057	287.45	0.10	\$12.10	0	\$4.50	\$5,819
January	1070	0	6	\$0.053	152	0.14	\$12.10	0	\$4.50	\$2,168
February	922	0	8	\$0.053	131	0.14	\$12.10	0	\$4.50	\$1,948
March	445	19	16	\$0.058	63	0.14	\$12.10	0	\$4.50	\$1,187
April	464	4	14	\$0.055	66	0.14	\$12.10	0	\$4.50	\$1,165
May	90	97	30	\$0.054	13	0.07	\$12.10	0	\$4.50	\$462
June	26	218	24	\$0.050	4	0.02	\$12.10	0	\$4.50	\$336
2nd half yr	3017	338	12	\$0.054	428	0.13	\$12.10	0	\$4.50	\$7,266
TOTAL YEAR	5043	1074	13	\$0.056	715.50	0.12	\$12.10	0	\$4.50	\$13,085

Building Data:	1994	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	13,401	Electricity = kWh X 3413	271,972
Gross Volume (ft)3	107,208	Steam = M (lbs) X 1,000,000	715,504
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	987,477

Energy Utilization Index =

Total BTU Consumption/Yr	987,476,716
Gross Area (ft) 2	13,401
Divided by 100,000 =	0.7369
	THERMS

COST / SQ. FT. / YEAR \$0.98

WATER / SQ. FT. / YEAR \$0.20

BUILDING: Transportation Center  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			NATURAL GAS			FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	Load-shed Hours	Cost per Gal	
July	0	436	100%	42,046	96	\$0.058	5	0.01	\$5.57	0	\$4.50	\$2,457
August	1	218	100%	35,592	163	\$0.059	0	0.00	#DIV/0!	0	\$4.50	\$2,090
September	137	80	100%	27,201	125	\$0.060	1	0.00	\$4.88	0	\$4.50	\$1,643
October	385	2	100%	23,120	60	\$0.057	0	0.00	\$0.00	0	\$4.50	\$1,324
November	587	0	100%	20,732	35	\$0.054	2	0.00	\$4.01	0	\$4.50	\$1,136
December	916	0	100%	22,599	25	\$0.054	68	0.07	\$3.84	0	\$4.50	\$1,476
1st half yr	2026	736		171,290	62	\$0.057	76.00	0.03	\$3.97	0	\$4.50	\$10,126
January	1070	0	100%	20,807	19	\$0.053	114	0.11	\$3.93	0	\$4.50	\$1,542
February	922	0	100%	21,207	23	\$0.053	130	0.14	\$3.76	0	\$4.50	\$1,608
March	445	19	100%	22,340	48	\$0.058	203	0.44	\$3.72	0	\$4.50	\$2,059
April	464	4	100%	17,962	38	\$0.055	108	0.23	\$3.81	0	\$4.50	\$1,391
May	90	97	100%	25,261	135	\$0.054	48	0.26	\$3.37	0	\$4.50	\$1,537
June	26	218	100%	29,025	119	\$0.050	38	0.16	\$2.85	0	\$4.50	\$1,564
2nd half yr	3017	338		136,601	41	\$0.054	641	0.19	\$3.70	0	\$4.50	\$9,701
TOTAL YEAR	5043	1074		307,890	50	\$0.056	717.00	0.12	\$3.73	0	\$4.50	\$19,827

Building Data:	1959	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	19,826	Electricity = KWH X 3413	1,050,830	
Gross Volume (ft)3	158,608	Natural Gas = MCF X 102,500	73,493	Total BTU Consumption/Yr 1,124,322.435
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft)2 19,826
		Other Fuel	0	Divided by 100,000 = 0.5671 THERMS
		TOTAL BTU's x 1,000	1,124,322	

COST / SQ. FT. / YEAR \$1.00  
WATER / SQ. FT. / YEAR \$0.10

BUILDING: University Hall  
FY YEAR: 2012

DATE: 10/22/12

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	TOTAL	
July	0	436	100%	324,837	745	\$0.058	\$18,770	0	0.00	\$12.10	40	\$5.57	\$223	\$18,993
August	1	218	100%	325,010	1,484	\$0.059	\$19,083	3	0.01	\$12.10	25	\$6.70	\$168	\$19,288
September	137	80	100%	300,764	1,386	\$0.060	\$18,109	424	1.96	\$12.10	38	\$4.88	\$185	\$23,431
October	385	2	100%	309,752	800	\$0.057	\$17,743	1,193	3.08	\$12.10	26	\$4.04	\$105	\$32,281
November	587	0	100%	307,840	524	\$0.054	\$16,749	1,819	3.10	\$12.10	39	\$4.01	\$156	\$38,910
December	916	0	100%	338,165	369	\$0.054	\$18,179	2,838	3.10	\$12.10	46	\$3.84	\$177	\$52,695
1st half yr	2026	736		1,906,369	690	\$0.057	\$108,633	6,276.95	2.27	\$12.10	214.00	\$4.74	\$1,014	\$185,598
January	1070	0	100%	302,931	283	\$0.053	\$15,918	3,315	3.10	\$12.10	52	\$3.93	\$205	\$56,235
February	922	0	100%	317,545	344	\$0.053	\$16,759	2,857	3.10	\$12.10	32	\$3.76	\$120	\$51,443
March	445	19	100%	337,974	728	\$0.058	\$19,736	1,379	2.97	\$12.10	56	\$3.72	\$208	\$36,627
April	464	4	100%	301,715	645	\$0.055	\$16,454	1,438	3.07	\$12.10	26	\$3.81	\$99	\$33,948
May	90	97	100%	318,933	1,706	\$0.054	\$17,356	279	1.49	\$12.10	37	\$3.37	\$125	\$20,855
June	26	218	100%	325,035	1,332	\$0.050	\$16,306	81	0.33	\$12.10	33	\$2.85	\$94	\$17,374
2nd half yr	3017	338		1,904,134	568	\$0.054	\$102,530	9,347	2.79	\$12.10	236	\$3.61	\$851	\$216,482
TOTAL YEAR	5043	1074		3,810,503	623	\$0.055	\$211,163	15,624.22	2.55	\$12.10	450	\$4.14	\$1,864	\$402,080

Building Data:	1931	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	292,633	Electricity = KWH X 3413	13,005,246
Gross Volume (ft)3	2,341,064	Steam = M (lbs) X 1,000,000	15,624,220
General Notes:		Natural Gas = MCF X 102,500	46,125
		Other Fuel	0
		TOTAL BTU's x 1,000	28,675,591

Energy Utilization Index =  
 Total BTU Consumption/Yr 28,675,590,937  
 Gross Area (ft) 2 292,633  
 Divided by 100,000 = 0.9799 THERMS

COST / SQ. FT. / YEAR \$1.37  
 WATER / SQ. FT. / YEAR \$0.09

BUILDING: Westwood Research Annex  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf		Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	61	\$0.058	19	0.04	\$5.57	0	\$4.50	\$0	\$1,647
August	1	218	100%	118	\$0.059	0	0.00	\$0.00	0	\$4.50	\$0	\$1,517
September	137	80	100%	103	\$0.060	0	0.00	\$0.00	0	\$4.50	\$0	\$1,351
October	385	2	100%	62	\$0.057	0	0.00	\$0.00	0	\$4.50	\$0	\$1,385
November	587	0	100%	47	\$0.054	12	0.02	\$4.01	0	\$4.50	\$0	\$1,553
December	916	0	100%	37	\$0.054	110	0.12	\$3.84	0	\$4.50	\$0	\$2,242
1st half yr	2026	736		58	\$0.057	141.00	0.05	\$4.09	0	\$4.50	\$0	\$9,695
January	1070	0	100%	28	\$0.053	195	0.18	\$3.93	0	\$4.50	\$0	\$2,335
February	922	0	100%	33	\$0.053	305	0.33	\$3.76	0	\$4.50	\$0	\$2,754
March	445	19	100%	58	\$0.058	212	0.46	\$3.72	0	\$4.50	\$0	\$2,373
April	484	4	100%	46	\$0.055	358	0.76	\$3.81	0	\$4.50	\$0	\$2,540
May	90	97	100%	106	\$0.054	89	0.48	\$3.37	0	\$4.50	\$0	\$1,383
June	26	218	100%	92	\$0.050	4	0.02	\$2.85	0	\$4.50	\$0	\$1,135
2nd half yr	3017	338		45	\$0.054	1,163	0.35	\$3.76	0	\$4.50	\$0	\$12,519
TOTAL/YEAR	5043	1074		51	\$0.055	1,304.00	0.21	\$3.80	0	\$4.50	\$0	\$22,215

Building Data:	1950	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	40,922	Electricity = KWH X 3413	1,064,574
Gross Volume (ft)3	327,376	Natural Gas = MCF X 102,500	1,336,800
General Notes:		Fuel Oil = Gallons X 138,700	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,401,174
		Energy Utilization Index =	
		Total BTU Consumption/Yr	2,401,174,428
		Gross Area (ft)2	40,922
		Divided by 100,000 =	0.5868
		THERMS	

COST / SQ. FT. / YEAR \$0.54  
WATER / SQ. FT. / YEAR \$0.29

BUILDING: Westwood Building  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)				ELECTRICITY			NATURAL GAS			FUEL OIL			TOTAL ENERGY COST	
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal		@20 Gal/Hr TOTAL
July	0	436	100%	35,540	82	\$0.058	\$2,054	104	0.24	\$6.34	\$660	0	\$4.50	\$0	\$2,713
August	1	218	100%	34,940	160	\$0.059	\$2,051	15	0.07	\$10.87	\$163	0	\$4.50	\$0	\$2,215
September	137	80	100%	33,740	155	\$0.060	\$2,032	5	0.02	\$17.69	\$88	0	\$4.50	\$0	\$2,120
October	385	2	100%	37,300	96	\$0.057	\$2,137	6	0.02	\$15.19	\$91	0	\$4.50	\$0	\$2,228
November	587	0	100%	28,100	48	\$0.054	\$1,529	58	0.10	\$5.64	\$327	0	\$4.50	\$0	\$1,856
December	916	0	100%	31,060	34	\$0.054	\$1,670	267	0.29	\$4.66	\$1,244	0	\$4.50	\$0	\$2,914
1st half yr	2026	736		200,680	73	\$0.057	\$11,472	455.00	0.16	\$5.66	\$2,574	0	\$4.50	\$0	\$14,045
January	1070	0	100%	37,480	35	\$0.053	\$1,969	654	0.61	\$4.53	\$2,965	0	\$4.50	\$0	\$4,934
February	922	0	100%	45,520	49	\$0.053	\$2,402	1,201	1.30	\$3.92	\$4,705	0	\$4.50	\$0	\$7,107
March	445	19	100%	48,840	105	\$0.058	\$2,852	1,055	2.27	\$4.40	\$4,639	0	\$4.50	\$0	\$7,491
April	464	4	100%	39,080	84	\$0.055	\$2,131	969	2.07	\$4.24	\$4,105	0	\$4.50	\$0	\$6,236
May	90	97	100%	41,320	221	\$0.054	\$2,249	291	1.56	\$5.61	\$1,631	0	\$4.50	\$0	\$3,880
June	26	218	100%	46,100	189	\$0.050	\$2,313	220	0.90	\$5.73	\$1,261	0	\$4.50	\$0	\$3,574
2nd half yr	3017	338		258,340	77	\$0.054	\$13,916	4,390	1.31	\$4.40	\$19,307	0	\$4.50	\$0	\$33,223
TOTAL/YEAR	5043	1074		459,020	75	\$0.087	\$39,891	4,845.00	0.79	\$4.52	\$21,880	0	\$4.50	\$0	\$61,771

Building Data:	1946	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	271,332	Electricity = KWH X 3413	1,566,635
Gross Volume (ft)3	2,170,656	Natural Gas = MCF X 102,500	496,613
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,063,248
		Energy Utilization Index =	
		Total BTU Consumption/Yr	2,063,247,760
		Gross Area (ft) 2	271,332
		Divided by 100,000 =	0.0760
		THERMS	

COST / SQ. FT. / YEAR \$0.23  
 WATER / SQ. FT. / YEAR \$0.03

BUILDING: Wolfe Hall  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			PURCHASED STEAM			NATURAL GAS			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	1000 cubic feet (Mcf)	Cost per Mcf	TOTAL	
July	0	436	100%	518,257	1,189	\$0.058	0	0.00	\$12.10	1	\$43.05	\$26	\$29,973
August	1	218	100%	632,214	2,887	\$0.059	2	0.01	\$12.10	1	\$26.79	\$29	\$37,174
September	137	80	100%	426,970	1,968	\$0.060	273	1.26	\$12.10	1	\$25.15	\$30	\$29,047
October	385	2	100%	410,712	1,061	\$0.057	768	1.99	\$12.10	1	\$30.94	\$22	\$32,845
November	587	0	100%	402,898	686	\$0.054	1,171	2.00	\$12.10	1	\$18.75	\$26	\$36,122
December	916	0	100%	437,798	478	\$0.054	1,828	2.00	\$12.10	1	\$18.96	\$27	\$45,682
1st half yr	2026	736		2,828,849	1,024	\$0.057	4,043.33	1.46	\$12.10	6.40	\$24.99	\$160	\$210,841
January	1070	0	100%	373,572	349	\$0.053	2,135	2.00	\$12.10	1	\$36.12	\$22	\$45,491
February	922	0	100%	421,298	457	\$0.053	1,840	2.00	\$12.10	1	\$20.45	\$27	\$44,526
March	445	19	100%	377,054	813	\$0.058	888	1.91	\$12.10	1	\$21.59	\$26	\$32,790
April	464	4	100%	348,800	745	\$0.055	926	1.98	\$12.10	1	\$23.55	\$26	\$30,253
May	90	97	100%	389,690	1,977	\$0.054	180	0.96	\$12.10	1	\$24.80	\$27	\$22,319
June	26	218	100%	341,600	1,400	\$0.050	52	0.21	\$12.10	2	\$16.67	\$30	\$17,794
2nd half yr	3017	338		2,232,014	665	\$0.054	6,021	1.79	\$12.10	7	\$22.16	\$157	\$193,173
TOTAL/YEAR	5043	1074		5,060,864	827	\$0.056	10,064.42	1.65	\$12.10	14	\$23.50	\$317	\$404,014

Building Data:	1997	Energy Consumption to BTU Conversions	BTU's x 1,000	17,272.728	Energy Utilization Index =
Gross Area (ft)2	188,501	Electricity = KWH X 3413			
Gross Volume (ft)3	1,508,008	Steam = M (lbs) X 1,000,000	10,064.419	Total BTU Consumption/Yr	27,338,530.716
General Notes:		Natural Gas = MCF X 102,500	1,384	Gross Area (ft) 2	188,501
		Other Fuel	0	Divided by 100,000 =	1.4503
		TOTAL BTU's x 1,000	27,338,531		THERMS

COST / SQ. FT. / YEAR \$2.14  
 WATER / SQ. FT. / YEAR \$0.23

BUILDING: Center for Creative Education  
FY YEAR: 2012

DATE : 10/22/12

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 @20 Gal/Hr TOTAL	
														Gal	
July	0	436	100%	48,375	111	\$0.055	\$2,675	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$2,675
August	1	218	100%	47,129	215	\$0.057	\$2,668	1	0.00	\$12.10	\$10	0	\$4.50	\$0	\$2,678
September	137	80	100%	42,096	194	\$0.061	\$2,553	112	0.52	\$12.10	\$1,353	0	\$4.50	\$0	\$3,906
October	385	2	100%	44,599	115	\$0.056	\$2,507	314	0.81	\$12.10	\$3,801	0	\$4.50	\$0	\$6,308
November	587	0	100%	46,660	79	\$0.056	\$2,604	479	0.82	\$12.10	\$5,795	0	\$4.50	\$0	\$8,399
December	916	0	100%	47,619	52	\$0.053	\$2,547	747	0.82	\$12.10	\$9,043	0	\$4.50	\$0	\$11,590
1st half yr	2026	736		276,478	100	\$0.056	\$15,554	1,653.04	0.60	\$12.10	\$20,002	0	\$4.50	\$0	\$35,556
January	1070	0	100%	49,170	46	\$0.055	\$2,709	873	0.82	\$12.10	\$10,564	0	\$4.50	\$0	\$13,273
February	922	0	100%	47,210	51	\$0.055	\$2,598	752	0.82	\$12.10	\$9,102	0	\$4.50	\$0	\$11,700
March	445	19	100%	60,252	130	\$0.057	\$3,440	363	0.78	\$12.10	\$4,393	0	\$4.50	\$0	\$7,833
April	464	4	100%	48,440	104	\$0.057	\$2,741	379	0.81	\$12.10	\$4,581	0	\$4.50	\$0	\$7,322
May	90	97	100%	42,861	229	\$0.054	\$2,305	73	0.39	\$12.10	\$889	0	\$4.50	\$0	\$3,194
June	26	218	100%	45,249	185	\$0.055	\$2,492	21	0.09	\$12.10	\$257	0	\$4.50	\$0	\$2,749
2nd half yr	3017	338		293,182	87	\$0.055	\$16,286	2,462	0.73	\$12.10	\$29,785	0	\$4.50	\$0	\$46,072
TOTAL/YEAR	5043	1074		569,660	93	\$0.056	\$31,840	4,114.65	0.67	\$12.10	\$49,787	0	\$4.50	\$0	\$81,628

Building Data:	2003	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	48,810	Electricity = KWH X 3413	1,944,250	
Gross Volume (ft)3	390,480	Steam = M (lbs) X 1,000,000	4,114,851	Total BTU Consumption/Yr 6,058,900.564
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2 48,810
		Other Fuel	0	Divided by 100,000 = 1.2413 THERMS
		TOTAL BTU's x 1,000	6,058,901	

COST / SQ. FT. / YEAR \$1.67

WATER / SQ. FT. / YEAR \$0.05

BUILDING: Collier Allied Health Building  
 FY YEAR: 2012  
 DATE: 10/22/12

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	@20 Gal/Hr TOTAL	
July	0	436	100%	78,564	180	\$0.055	\$4,344	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$4,344
August	1	218	100%	75,663	345	\$0.057	\$4,283	2	0.01	\$12.10	\$23	0	\$4.50	\$0	\$4,306
September	137	80	100%	83,482	385	\$0.061	\$5,062	255	1.18	\$12.10	\$3,086	0	\$4.50	\$0	\$8,148
October	385	2	100%	88,997	230	\$0.056	\$5,003	717	1.85	\$12.10	\$8,672	0	\$4.50	\$0	\$13,675
November	587	0	100%	89,611	153	\$0.056	\$5,001	1,093	1.86	\$12.10	\$13,222	0	\$4.50	\$0	\$18,223
December	916	0	100%	87,257	95	\$0.053	\$4,667	1,705	1.86	\$12.10	\$20,633	0	\$4.50	\$0	\$25,300
1st half yr	2026	736		503,554	182	\$0.056	\$28,361	3,771.51	1.37	\$12.10	\$45,635	0	\$4.50	\$0	\$73,996
January	1070	0	100%	89,926	84	\$0.055	\$4,955	1,992	1.86	\$12.10	\$24,102	0	\$4.50	\$0	\$29,056
February	922	0	100%	87,098	94	\$0.055	\$4,793	1,716	1.86	\$12.10	\$20,768	0	\$4.50	\$0	\$25,561
March	445	19	100%	86,483	186	\$0.057	\$4,937	828	1.79	\$12.10	\$10,024	0	\$4.50	\$0	\$14,961
April	464	4	100%	87,791	188	\$0.057	\$4,969	864	1.85	\$12.10	\$10,452	0	\$4.50	\$0	\$15,420
May	90	97	100%	79,580	426	\$0.054	\$4,281	168	0.90	\$12.10	\$2,027	0	\$4.50	\$0	\$6,308
June	26	218	100%	79,947	328	\$0.055	\$4,403	48	0.20	\$12.10	\$586	0	\$4.50	\$0	\$4,989
2nd half yr	3017	338		510,825	152	\$0.055	\$28,337	5,616	1.67	\$12.10	\$67,957	0	\$4.50	\$0	\$96,295
TOTAL/YEAR	5043	1074		1,014,379	166	\$0.056	\$56,698	9,387.83	1.53	\$12.10	\$113,593	0	\$4.50	\$0	\$170,291

Building Data:	1996	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	111,363	Electricity = KWH X 3413	3,462,076	
Gross Volume (ft)3	890,904	Steam = M (lbs) X 1,000,000	9,387,828	Total BTU Consumption/Yr 12,849,903.381
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2 111,363
		Other Fuel	0	Divided by 100,000 = 1.1539 THERMS
		TOTAL BTU's x 1,000	12,849,903	

COST / SQ. FT. / YEAR \$1.53

WATER / SQ. FT. / YEAR \$0.07

BUILDING: Dana Center  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM		FUEL OIL			TOTAL ENERGY COST		
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	Load-shed Hours		Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	44,960	103	\$0.055	0	0.00	\$12.10	0	\$4.50	\$0	\$2,486
August	1	218	100%	41,440	189	\$0.057	1	0.00	\$12.10	0	\$4.50	\$0	\$2,355
September	137	80	100%	37,920	175	\$0.061	101	0.46	\$12.10	0	\$4.50	\$0	\$3,519
October	385	2	100%	28,480	74	\$0.056	283	0.73	\$12.10	0	\$4.50	\$0	\$5,026
November	587	0	100%	28,000	48	\$0.056	431	0.74	\$12.10	0	\$4.50	\$0	\$6,784
December	916	0	100%	29,920	33	\$0.053	673	0.74	\$12.10	0	\$4.50	\$0	\$9,748
1st half yr	2026	736		210,720	76	\$0.056	1,489.29	0.54	\$12.10	0	\$4.50	\$0	\$29,916
January	1070	0	100%	21,760	20	\$0.055	787	0.74	\$12.10	0	\$4.50	\$0	\$10,716
February	922	0	100%	13,760	15	\$0.055	678	0.74	\$12.10	0	\$4.50	\$0	\$8,958
March	445	19	100%	18,720	40	\$0.057	327	0.70	\$12.10	0	\$4.50	\$0	\$5,027
April	464	4	100%	6,237	13	\$0.057	341	0.73	\$12.10	0	\$4.50	\$0	\$4,480
May	90	97	100%	6,125	33	\$0.054	66	0.35	\$12.10	0	\$4.50	\$0	\$1,130
June	26	218	100%	10,193	42	\$0.055	19	0.08	\$12.10	0	\$4.50	\$0	\$793
2nd half yr	3017	338		76,795	23	\$0.055	2,218	0.66	\$12.10	0	\$4.50	\$0	\$31,104
TOTAL/YEAR	5043	1074		287,515	47	\$0.056	3,707.06	0.61	\$12.10	0	\$4.50	\$0	\$61,020

Building Data:	1981	Energy Consumption to BTU Conversions	BTU's x 1,000	981,289	Energy Utilization Index =
Gross Area (ft)2	43,975	Electricity = KWH X 3413			
Gross Volume (ft)3	351,800	Steam = M (lbs) X 1,000,000	3,707,064	Total BTU Consumption/Yr	4,688,352.351
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2	43,975
		Other Fuel	0	Divided by 100,000 =	1.0661
		TOTAL BTU's x 1,000	4,688,352		THERMS

COST / SQ. FT. / YEAR \$1.39

WATER / SQ. FT. / YEAR \$0.07

BUILDING: Dowling Hall and Morse Center  
 FY YEAR: 2012  
 DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	KWh	ELECTRICITY		M (LBS)	PURCHASED STEAM		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	636,000	1,459	\$0.055	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$35,164
August	1	218	100%	579,000	2,644	\$0.057	4	0.02	\$12.10	\$50	0	\$4.50	\$0	\$32,827
September	137	80	100%	524,000	2,415	\$0.061	567	2.61	\$12.10	\$6,862	0	\$4.50	\$0	\$38,643
October	385	2	100%	442,000	1,142	\$0.056	1,594	4.12	\$12.10	\$19,282	0	\$4.50	\$0	\$44,132
November	587	0	100%	420,000	716	\$0.056	2,430	4.14	\$12.10	\$29,399	0	\$4.50	\$0	\$52,838
December	916	0	100%	376,000	410	\$0.053	3,791	4.14	\$12.10	\$45,877	0	\$4.50	\$0	\$65,990
1st half yr	2026	736		2,977,000	1,078	\$0.056	8,385.97	3.04	\$12.10	\$101,470	0	\$4.50	\$0	\$269,594
January	1070	0	100%	412,000	385	\$0.055	4,429	4.14	\$12.10	\$53,590	0	\$4.50	\$0	\$76,291
February	922	0	100%	389,000	422	\$0.055	3,816	4.14	\$12.10	\$46,177	0	\$4.50	\$0	\$67,583
March	445	19	100%	424,000	914	\$0.057	1,842	3.97	\$12.10	\$22,287	0	\$4.50	\$0	\$46,493
April	464	4	100%	547,631	1,170	\$0.057	1,921	4.10	\$12.10	\$23,239	0	\$4.50	\$0	\$54,232
May	90	97	100%	508,450	2,719	\$0.054	373	1.99	\$12.10	\$4,508	0	\$4.50	\$0	\$31,857
June	26	218	100%	582,844	2,389	\$0.055	108	0.44	\$12.10	\$1,302	0	\$4.50	\$0	\$33,404
2nd half yr	3017	338		2,863,925	854	\$0.055	12,488	3.72	\$12.10	\$151,104	0	\$4.50	\$0	\$309,861
TOTAL/YEAR	5043	1074		5,840,925	955	\$0.056	20,873.87	3.41	\$12.10	\$252,574	0	\$4.50	\$0	\$579,454

Building Data:	1977	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	247,616	Electricity = KWH X 3413	19,935,077
Gross Volume (ft)3	1,980,928	Steam = M (lbs) X 1,000,000	20,873,866
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	40,808,943

Energy Utilization Index =

Total BTU Consumption/Yr	40,808,943,407
Gross Area (ft) 2	247,616
Divided by 100,000 =	1.6481
	THERMS

COST / SQ. FT. / YEAR \$2.34

WATER / SQ. FT. / YEAR \$0.25

BUILDING: Facilities Support  
FY YEAR: 2012

DATE : 10/22/12

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	@20 Gal/Hr TOTAL
July	0	436	100%	32,880	75	\$0.055	\$1,818	0	0.00	\$12.10	0	\$4.50	\$0	\$1,818
August	1	218	100%	28,080	128	\$0.057	\$1,590	0	0.00	\$12.10	0	\$4.50	\$0	\$1,595
September	137	80	100%	19,440	90	\$0.061	\$1,179	62	0.28	\$12.10	0	\$4.50	\$0	\$1,925
October	385	2	100%	14,280	37	\$0.056	\$803	173	0.45	\$12.10	0	\$4.50	\$0	\$2,900
November	587	0	100%	12,240	21	\$0.056	\$683	264	0.45	\$12.10	0	\$4.50	\$0	\$3,881
December	916	0	100%	12,960	14	\$0.053	\$693	412	0.45	\$12.10	0	\$4.50	\$0	\$5,683
1st half yr	2026	736		119,880	43	\$0.056	\$6,766	912.10	0.33	\$12.10	0	\$4.50	\$0	\$17,802
January	1070	0	100%	13,440	13	\$0.055	\$741	482	0.45	\$12.10	0	\$4.50	\$0	\$6,569
February	922	0	100%	12,960	14	\$0.055	\$713	415	0.45	\$12.10	0	\$4.50	\$0	\$5,736
March	445	19	100%	13,920	30	\$0.057	\$795	200	0.43	\$12.10	0	\$4.50	\$0	\$3,219
April	464	4	100%	14,059	30	\$0.057	\$796	209	0.45	\$12.10	0	\$4.50	\$0	\$3,323
May	90	97	100%	18,736	100	\$0.054	\$1,008	41	0.22	\$12.10	0	\$4.50	\$0	\$1,498
June	26	218	100%	23,198	95	\$0.055	\$1,278	12	0.05	\$12.10	0	\$4.50	\$0	\$1,419
2nd half yr	3017	338		96,313	29	\$0.055	\$5,330	1,358	0.40	\$12.10	0	\$4.50	\$0	\$21,764
TOTAL/YEAR	5043	1074		216,193	35	\$0.056	\$12,095	2,270.35	0.37	\$12.10	0	\$4.50	\$0	\$39,567

Building Data:	1983	Energy Consumption to BTU Conversions		BTU's x 1,000		Energy Utilization Index =	
Gross Area (ft)2	26,932	Electricity = KWH X 34.13		737,867			
Gross Volume (ft)3	215,456	Steam = M (lbs) X 1,000,000		2,270,350		Total BTU Consumption/Yr 3,008,216,644	
General Notes:		Fuel Oil = Gallons X 138,690		0		Gross Area (ft) 2 26,932	
		Other Fuel		0		Divided by 100,000 = 1,1170	
		TOTAL BTU's x 1,000		3,008,217		THERMS	

COST / SQ. FT. / YEAR \$1.47

WATER / SQ. FT. / YEAR \$0.04

BUILDING: Glendale Medical Center  
 FY YEAR: 2012  
 DATE: 10/22/12

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
September	0	436	100%	40,000	92	\$0.055	\$2,212	45	0.10	\$6.09	\$274	0	\$4.50	\$0
	1	218	100%	40,000	183	\$0.057	\$2,264	32	0.15	\$7.09	\$227	0	\$4.50	\$0
	137	80	100%	40,000	184	\$0.061	\$2,426	20	0.09	\$6.31	\$126	0	\$4.50	\$0
October	385	2	100%	40,000	103	\$0.056	\$2,249	19	0.05	\$6.02	\$114	0	\$4.50	\$0
	587	0	100%	40,000	68	\$0.056	\$2,232	20	0.03	\$6.33	\$127	0	\$4.50	\$0
	916	0	100%	40,000	44	\$0.053	\$2,140	20	0.02	\$6.44	\$129	0	\$4.50	\$0
1st half yr	2026	736		240,000	87	\$0.056	\$13,523	156.00	0.06	\$6.39	\$997	0	\$4.50	\$0
January	1070	0	100%	40,000	37	\$0.055	\$2,204	55	0.05	\$5.96	\$328	0	\$4.50	\$0
	922	0	100%	40,000	43	\$0.055	\$2,201	100	0.11	\$5.97	\$597	0	\$4.50	\$0
	445	19	100%	40,000	86	\$0.057	\$2,284	97	0.21	\$5.41	\$525	0	\$4.50	\$0
April	464	4	100%	40,000	85	\$0.057	\$2,264	94	0.20	\$5.26	\$495	0	\$4.50	\$0
	90	97	100%	40,000	214	\$0.054	\$2,152	50	0.27	\$5.62	\$281	0	\$4.50	\$0
	26	218	100%	40,000	164	\$0.055	\$2,203	39	0.16	\$6.27	\$245	0	\$4.50	\$0
2nd half yr	3017	338		240,000	72	\$0.055	\$13,307	435	0.13	\$5.68	\$2,470	0	\$4.50	\$0
TOTAL YEAR	5043	1074		480,000	78	\$0.056	\$26,830	591.00	0.10	\$5.87	\$3,467	0	\$4.50	\$0

Building Data:	1989	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	40,516	Electricity = KWH X 3413	1,638,240
Gross Volume (ft)3	324,127	Natural Gas = MCF X 102,500	60,578
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,698,818

Energy Utilization Index =

Total BTU Consumption/Yr	1,698,817,500
Gross Area (ft) 2	40,516
Divided by 100,000 =	0.4193
	THERMS

COST / SQ. FT. / YEAR \$0.75

WATER / SQ. FT. / YEAR \$0.07

BUILDING: Health Education Building  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)			ELECTRICITY			PURCHASED STEAM			FUEL OIL			TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	736,800	1,690	\$0.055		0.00	\$12.10	0	\$4.50	\$0	\$40,737
August	1	218	100%	802,200	3,663	\$0.057	4	0.02	\$12.10	0	\$4.50	\$0	\$45,464
September	137	80	100%	844,600	3,892	\$0.061	584	2.69	\$12.10	0	\$4.50	\$0	\$58,290
October	385	2	100%	943,000	2,437	\$0.056	1,640	4.24	\$12.10	0	\$4.50	\$0	\$72,863
November	587	0	100%	1,004,600	1,711	\$0.056	2,501	4.26	\$12.10	0	\$4.50	\$0	\$86,324
December	916	0	100%	975,000	1,064	\$0.053	3,903	4.26	\$12.10	0	\$4.50	\$0	\$99,376
1st half yr	2026	736		5,306,200	1,921	\$0.056	8,631.81	3.13	\$12.10	0	\$4.50	\$0	\$403,054
January	1070	0	100%	1,014,650	948	\$0.055	4,559	4.26	\$12.10	0	\$4.50	\$0	\$111,068
February	922	0	100%	1,039,735	1,128	\$0.055	3,928	4.26	\$12.10	0	\$4.50	\$0	\$104,745
March	445	19	100%	999,700	2,155	\$0.057	1,896	4.09	\$12.10	0	\$4.50	\$0	\$80,013
April	464	4	100%	816,369	1,744	\$0.057	1,977	4.22	\$12.10	0	\$4.50	\$0	\$70,123
May	90	97	100%	860,550	4,602	\$0.054	383	2.05	\$12.10	0	\$4.50	\$0	\$50,928
June	26	218	100%	802,756	3,290	\$0.055	111	0.45	\$12.10	0	\$4.50	\$0	\$45,554
2nd half yr	3017	338		5,533,760	1,649	\$0.055	12,854	3.83	\$12.10	0	\$4.50	\$0	\$482,432
TOTAL/YEAR	5043	1074		10,839,960	1,772	\$0.056	21,485.80	3.51	\$12.10	0	\$4.50	\$0	\$865,486

Building Data:	1973	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	254,875	Electricity = KWH X 3413	36,996,783
Gross Volume (ft)3	2,039,000	Steam = M (lbs) X 1,000,000	21,485,795
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	58,482,579

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) 2}} = \frac{58,482,578,801}{254,875}$$

$$\text{Divided by } 100,000 = \frac{229.46}{100,000} = 2.2946 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$3.40

WATER / SQ. FT. / YEAR \$0.00

BUILDING: Heatherdowns Educare Center  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf		Load-shed Hours	Cost per Gal	
July	0	436	100%	47	\$0.118	260	0.60	\$5.45	\$1,418	0	\$4.50	\$3,821
August	1	218	100%	91	\$0.118	550	2.51	\$5.88	\$3,235	0	\$4.50	\$5,579
September	137	80	100%	85	\$0.118	524	2.41	\$4.02	\$2,107	0	\$4.50	\$4,274
October	385	2	100%	40	\$0.118	536	1.39	\$3.70	\$1,982	0	\$4.50	\$3,796
November	587	0	100%	25	\$0.118	242	0.41	\$4.22	\$1,021	0	\$4.50	\$2,718
December	916	0	100%	16	\$0.118	166	0.18	\$4.57	\$759	0	\$4.50	\$2,514
1st half yr	2026	736		37	\$0.118	2,278.00	0.82	\$4.62	\$10,522	0	\$4.50	\$22,702
January	1070	0	100%	14	\$0.118	236	0.22	\$4.63	\$1,092	0	\$4.50	\$2,847
February	922	0	100%	16	\$0.118	331	0.36	\$5.01	\$1,659	0	\$4.50	\$3,390
March	445	19	100%	38	\$0.118	324	0.70	\$4.49	\$1,455	0	\$4.50	\$3,529
April	464	4	100%	30	\$0.118	367	0.78	\$4.29	\$1,574	0	\$4.50	\$3,235
May	90	97	100%	82	\$0.118	244	1.30	\$4.47	\$1,090	0	\$4.50	\$2,892
June	26	218	100%	79	\$0.118	213	0.87	\$4.03	\$858	0	\$4.50	\$3,120
2nd half yr	3017	338		29	\$0.118	1,715	0.51	\$4.51	\$7,728	0	\$4.50	\$19,013
TOTAL/YEAR	5043	1074		33	\$0.118	3,993.00	0.65	\$4.57	\$18,250	0	\$4.50	\$41,715

Building Data:	1965	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	36,400	Electricity = kWh X 3413	679,870
Gross Volume (ft)3	291,200	Natural Gas = MCF X 102,500	409,283
General Notes:		Fuel Oil = Gallons X 138,700	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,089,152
		Energy Utilization Index =	
		Total BTU Consumption/Yr	1,089,152,100
		Gross Area (ft)2	36,400
		Divided by 100,000 =	0.2992
		THERMS	

COST / SQ. FT. / YEAR \$1.15

WATER / SQ. FT. / YEAR \$0.17

BUILDING: Hospital  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY		PURCHASED STEAM		FUEL OIL		TOTAL ENERGY COST				
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	M (LBS)	M (Lbs) per DD		Cost per M(Lbs)	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	1,812,000	4,156	\$0.055	\$100,183	0	0.00	\$12.10	\$0	\$0	\$100,183
August	1	218	100%	1,668,000	7,616	\$0.057	\$94,425	6	0.03	\$12.10	\$76	\$0	\$94,502
September	137	80	100%	1,488,000	6,857	\$0.061	\$80,251	866	3.99	\$12.10	\$10,478	\$0	\$100,729
October	385	2	100%	1,248,000	3,225	\$0.056	\$70,163	2,433	6.29	\$12.10	\$29,445	\$0	\$99,608
November	587	0	100%	1,260,000	2,147	\$0.056	\$70,316	3,710	6.32	\$12.10	\$44,894	\$0	\$115,211
December	916	0	100%	2,136,000	2,332	\$0.053	\$114,257	5,790	6.32	\$12.10	\$70,057	\$0	\$184,314
1st half yr	2026	736		9,612,000	3,480	\$0.056	\$539,595	12,805.83	4.64	\$12.10	\$154,951	\$0	\$694,546
January	1070	0	100%	1,272,000	1,189	\$0.055	\$70,087	6,763	6.32	\$12.10	\$81,835	\$0	\$151,922
February	922	0	100%	876,000	950	\$0.055	\$48,204	5,828	6.32	\$12.10	\$70,516	\$0	\$118,719
March	445	19	100%	1,447,479	3,120	\$0.057	\$82,636	2,813	6.06	\$12.10	\$34,034	\$0	\$116,670
April	464	4	100%	1,145,600	2,448	\$0.057	\$64,835	2,933	6.27	\$12.10	\$35,487	\$0	\$100,322
May	90	97	100%	1,307,702	6,993	\$0.054	\$70,341	569	3.04	\$12.10	\$6,883	\$0	\$77,224
June	26	218	100%	1,450,111	5,943	\$0.055	\$79,869	164	0.67	\$12.10	\$1,989	\$0	\$81,858
2nd half yr	3017	338		7,498,892	2,235	\$0.055	\$415,972	19,070	5.68	\$12.10	\$230,743	\$0	\$646,716
TOTAL YEAR	5043	1074		17,110,892	2,797	\$0.056	\$955,568	31,875.52	5.21	\$12.10	\$385,694	\$0	\$1,341,262

Building Data:	1976	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	378,123	Electricity = KWH X 3413	58,399,474
Gross Volume (ft)3	3,024,984	Steam = M (lbs) X 1,000,000	31,875,521
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	90,274,995

Energy Utilization Index =

Total BTU Consumption/Yr 90,274,995.275  
Gross Area (ft) 2 378,123

Divided by 100,000 = 2.3875 THERMS

COST / SQ. FT. / YEAR \$3.55

WATER / SQ. FT. / YEAR \$0.68

BUILDING: Kobacker Hall  
FY YEAR: 2012

DATE: 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY			PURCHASED STEAM		FUEL OIL			TOTAL ENERGY COST				
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)		TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	59,760	137	\$0.055	\$3,304	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$3,304
August	1	218	100%	51,360	235	\$0.057	\$2,907	1	0.00	\$12.10	\$8	0	\$4.50	\$0	\$2,916
September	137	80	100%	46,800	216	\$0.061	\$2,839	94	0.43	\$12.10	\$1,140	0	\$4.50	\$0	\$3,979
October	385	2	100%	40,080	104	\$0.056	\$2,253	265	0.68	\$12.10	\$3,204	0	\$4.50	\$0	\$5,457
November	587	0	100%	31,920	54	\$0.056	\$1,781	404	0.69	\$12.10	\$4,885	0	\$4.50	\$0	\$6,666
December	916	0	100%	29,040	32	\$0.053	\$1,553	630	0.69	\$12.10	\$7,622	0	\$4.50	\$0	\$9,176
1st half yr	2026	736		258,960	94	\$0.056	\$14,638	1,393.28	0.50	\$12.10	\$16,859	0	\$4.50	\$0	\$31,497
January	1070	0	100%	31,200	29	\$0.055	\$1,719	736	0.69	\$12.10	\$8,904	0	\$4.50	\$0	\$10,623
February	922	0	100%	31,200	34	\$0.055	\$1,717	634	0.69	\$12.10	\$7,672	0	\$4.50	\$0	\$9,389
March	445	19	100%	61,440	132	\$0.057	\$3,508	306	0.66	\$12.10	\$3,703	0	\$4.50	\$0	\$7,211
April	464	4	100%	31,200	67	\$0.057	\$1,766	319	0.68	\$12.10	\$3,861	0	\$4.50	\$0	\$5,627
May	90	97	100%	44,400	237	\$0.054	\$2,388	62	0.33	\$12.10	\$749	0	\$4.50	\$0	\$3,137
June	26	218	100%	48,960	201	\$0.055	\$2,697	18	0.07	\$12.10	\$216	0	\$4.50	\$0	\$2,913
2nd half yr	3017	338		248,400	74	\$0.055	\$13,794	2,075	0.62	\$12.10	\$25,105	0	\$4.50	\$0	\$38,899
TOTAL/YEAR	5043	1074		507,360	83	\$0.056	\$28,432	3,468.08	0.57	\$12.10	\$41,964	0	\$4.50	\$0	\$70,396

Building Data:	1982	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	41,140	Electricity = KWH X 3413	1,731,620
Gross Volume (ft)3	329,120	Steam = M (lbs) X 1,000,000	3,468,075
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	5,199,695

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{5,199,694,695}{41,140}$$

$$\text{Divided by } 100,000 = 1.2639 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$1.71

WATER / SQ. FT. / YEAR \$0.13

BUILDING: Lab Incubator  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY				NATURAL GAS				FUEL OIL			TOTAL ENERGY COST	
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal		
													@20 Gal/Hr		TOTAL
July	0	436	100%	4,613	11	\$0.055	\$255	22	0.05	\$8.74	\$192	0	\$4.50	\$0	\$447
August	1	218	100%	3,394	15	\$0.057	\$192	20	0.09	\$10.21	\$204	0	\$4.50	\$0	\$396
September	137	80	100%	2,918	13	\$0.061	\$177	19	0.09	\$8.97	\$170	0	\$4.50	\$0	\$347
October	385	2	100%	3,149	8	\$0.056	\$177	17	0.04	\$27.94	\$475	0	\$4.50	\$0	\$652
November	587	0	100%	3,078	5	\$0.056	\$172	17	0.03	\$27.94	\$475	0	\$4.50	\$0	\$647
December	916	0	100%	3,685	4	\$0.053	\$197	15	0.02	\$59.32	\$890	0	\$4.50	\$0	\$1,087
1st half yr	2026	736		20,837	8	\$0.056	\$1,170	110.00	0.04	\$21.88	\$2,407	0	\$4.50	\$0	\$3,577
January	1070	0	100%	3,620	3	\$0.055	\$199	21	0.02	\$3.72	\$78	0	\$4.50	\$0	\$278
February	922	0	100%	3,641	4	\$0.055	\$200	21	0.02	\$2.60	\$55	0	\$4.50	\$0	\$255
March	445	19	100%	3,641	8	\$0.057	\$208	19	0.04	\$3.62	\$69	0	\$4.50	\$0	\$277
April	464	4	100%	2,618	6	\$0.057	\$148	20	0.04	\$5.03	\$101	0	\$4.50	\$0	\$249
May	90	97	100%	3,204	17	\$0.054	\$172	20	0.11	\$5.65	\$113	0	\$4.50	\$0	\$285
June	26	218	100%	3,545	15	\$0.055	\$195	24	0.10	\$2.34	\$56	0	\$4.50	\$0	\$251
2nd half yr	3017	338		20,269	6	\$0.055	\$1,123	125	0.04	\$3.77	\$471	0	\$4.50	\$0	\$1,595
TOTAL/YEAR	5043	1074		41,106	7	\$0.056	\$2,294	235.00	0.04	\$12.25	\$2,878	0	\$4.50	\$0	\$5,171

Building Data:	1955	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	20,533	Electricity = KWH X 3413	140,295
Gross Volume (ft)3	164,264	Natural Gas = MCF X 102,500	24,088
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	164,382
		Energy Utilization Index =	
		Total BTU Consumption/Yr	164,382,278
		Gross Area (ft) 2	20,533
		Divided by 100,000 =	0.0801
		THERMS	

COST / SQ. FT. / YEAR \$0.25

WATER / SQ. FT. / YEAR \$0.04

BUILDING: Mulford Library  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY				PURCHASED STEAM		FUEL OIL			TOTAL ENERGY COST			
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL		Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	164,000	376	\$0.055	\$9,067	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$9,067
August	1	218	100%	155,600	711	\$0.057	\$8,808	2	0.01	\$12.10	\$28	0	\$4.50	\$0	\$8,836
September	137	80	100%	168,200	775	\$0.061	\$10,202	316	1.46	\$12.10	\$3,822	0	\$4.50	\$0	\$14,024
October	385	2	100%	151,800	392	\$0.056	\$8,534	888	2.29	\$12.10	\$10,741	0	\$4.50	\$0	\$19,275
November	587	0	100%	112,200	191	\$0.056	\$6,261	1,353	2.31	\$12.10	\$16,376	0	\$4.50	\$0	\$22,638
December	916	0	100%	185,800	203	\$0.053	\$9,939	2,112	2.31	\$12.10	\$25,555	0	\$4.50	\$0	\$35,494
1st half yr	2026	736		937,600	339	\$0.056	\$52,812	4,671.25	1.69	\$12.10	\$56,522	0	\$4.50	\$0	\$109,334
January	1070	0	100%	110,150	103	\$0.055	\$6,069	2,467	2.31	\$12.10	\$29,851	0	\$4.50	\$0	\$35,921
February	922	0	100%	108,065	117	\$0.055	\$5,947	2,126	2.31	\$12.10	\$25,722	0	\$4.50	\$0	\$31,669
March	445	19	100%	113,100	244	\$0.057	\$6,457	1,026	2.21	\$12.10	\$12,415	0	\$4.50	\$0	\$18,872
April	464	4	100%	172,800	369	\$0.057	\$9,780	1,070	2.29	\$12.10	\$12,945	0	\$4.50	\$0	\$22,724
May	90	97	100%	167,800	897	\$0.054	\$9,026	208	1.11	\$12.10	\$2,511	0	\$4.50	\$0	\$11,537
June	26	218	100%	151,200	620	\$0.055	\$8,328	60	0.25	\$12.10	\$725	0	\$4.50	\$0	\$9,053
2nd half yr	3017	338		823,115	245	\$0.055	\$45,606	6,956	2.07	\$12.10	\$84,169	0	\$4.50	\$0	\$129,775
TOTAL/YEAR	5043	1074		1,760,715	288	\$0.056	\$98,418	11,627.41	1.90	\$12.10	\$140,692	0	\$4.50	\$0	\$239,110

Building Data:	1973	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	137,930	Electricity = KWH X 3413	6,009,320
Gross Volume (ft)3	1,103,440	Steam = M (lbs) X 1,000,000	11,627,409
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	17,636,729
		Total BTU Consumption/Yr	17,636,728.823
		Gross Area (ft) 2	137,930
		Divided by 100,000 =	1.2787
			THERMS

COST / SQ. FT. / YEAR \$1.73

WATER / SQ. FT. / YEAR \$0.00

BUILDING: Northwest Ohio Medical Technology Center  
FY YEAR: 2012

DATE: 10/22/12

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		Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	99,603	228	\$0.055	\$5,507	163	0.37	\$8.74	0	\$4.50	\$0	\$6,931
August	1	218	100%	73,821	337	\$0.057	\$4,179	145	0.66	\$10.21	0	\$4.50	\$0	\$5,659
September	137	80	100%	106,578	491	\$0.061	\$6,464	128	0.59	\$8.97	0	\$4.50	\$0	\$7,612
October	385	2	100%	89,466	231	\$0.056	\$5,030	146	0.38	\$5.85	0	\$4.50	\$0	\$5,983
November	587	0	100%	123,908	211	\$0.056	\$6,915	210	0.36	\$11.17	0	\$4.50	\$0	\$9,260
December	916	0	100%	24,915	27	\$0.053	\$1,333	172	0.19	\$8.48	0	\$4.50	\$0	\$2,791
1st half yr	2026	736		518,291	188	\$0.056	\$29,428	964.00	0.35	\$9.03	0	\$4.50	\$0	\$38,136
January	1070	0	100%	119,576	112	\$0.055	\$6,589	177	0.16	\$2.60	0	\$4.50	\$0	\$7,048
February	922	0	100%	19,547	21	\$0.055	\$1,076	177	0.19	\$2.60	0	\$4.50	\$0	\$1,535
March	445	19	100%	29,189	63	\$0.057	\$1,666	315	0.68	\$3.62	0	\$4.50	\$0	\$2,805
April	464	4	100%	36,783	79	\$0.057	\$2,082	341	0.73	\$5.03	0	\$4.50	\$0	\$3,798
May	90	97	100%	69,149	370	\$0.054	\$3,720	214	1.14	\$5.65	0	\$4.50	\$0	\$4,929
June	26	218	100%	85,391	350	\$0.055	\$4,703	291	1.19	\$2.34	0	\$4.50	\$0	\$5,383
2nd half yr	3017	338		359,635	107	\$0.055	\$19,835	1,514	0.45	\$3.74	0	\$4.50	\$0	\$25,498
TOTAL/YEAR	5043	1074		877,926	144	\$0.056	\$49,263	2,478.00	0.41	\$5.80	0	\$4.50	\$0	\$63,635

Building Data:	1998	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	38,614	Electricity = KWH X 3413	2,996,361
Gross Volume (ft)3	308,912	Natural Gas = MCF X 102,500	253,995
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,250,356
		Energy Utilization Index =	
		Total BTU Consumption/Yr	3,250,355.755
		Gross Area (ft) 2	38,614
		Divided by 100,000 =	0.8418
		THERMS	

COST / SQ. FT. / YEAR \$1.65  
WATER / SQ. FT. / YEAR \$0.11

BUILDING: Paul Block Jr. Health Science Building  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	ELECTRICITY		M (LBS)	PURCHASED STEAM		Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)		Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	456,000	1,046	\$0.055	0	0.00	\$12.10	0	\$4.50	\$0	\$25,212
August	1	218	100%	807,000	3,685	\$0.057	3	0.01	\$12.10	0	\$4.50	\$0	\$45,718
September	137	80	100%	477,000	2,198	\$0.061	386	1.78	\$12.10	0	\$4.50	\$0	\$33,608
October	385	2	100%	287,400	743	\$0.056	1,086	2.81	\$12.10	0	\$4.50	\$0	\$29,300
November	587	0	100%	276,000	470	\$0.056	1,656	2.82	\$12.10	0	\$4.50	\$0	\$35,440
December	916	0	100%	288,600	315	\$0.053	2,584	2.82	\$12.10	0	\$4.50	\$0	\$46,705
1st half yr	2026	736		2,592,000	938	\$0.056	5,715.50	2.07	\$12.10	0	\$4.50	\$0	\$215,983
January	1070	0	100%	356,400	333	\$0.055	3,019	2.82	\$12.10	0	\$4.50	\$0	\$56,162
February	922	0	100%	247,200	268	\$0.055	2,601	2.82	\$12.10	0	\$4.50	\$0	\$45,075
March	445	19	100%	616,465	1,329	\$0.057	1,255	2.71	\$12.10	0	\$4.50	\$0	\$50,384
April	464	4	100%	353,291	755	\$0.057	1,309	2.80	\$12.10	0	\$4.50	\$0	\$35,833
May	90	97	100%	363,864	1,946	\$0.054	254	1.36	\$12.10	0	\$4.50	\$0	\$22,644
June	26	218	100%	446,978	1,832	\$0.055	73	0.30	\$12.10	0	\$4.50	\$0	\$25,506
2nd half yr	3017	338		2,384,198	711	\$0.055	8,511	2.54	\$12.10	0	\$4.50	\$0	\$235,605
TOTAL/YEAR	5043	1074		4,976,198	814	\$0.056	14,226.69	2.33	\$12.10	0	\$4.50	\$0	\$451,587

Building Data: 1970 Energy Consumption to BTU Conversions

Gross Area (ft)2 168,764 BTU's x 1,000 16,983,764

Energy Utilization Index =

Gross Volume (ft)3 1,350,112  
Total BTU Consumption/Yr 31,210,458,277

General Notes: Divided by 100,000 = 1.8494 THERMS

COST / SQ. FT. / YEAR \$2.68

WATER / SQ. FT. / YEAR \$0.94

BUILDING: Records Retention  
FY YEAR: 2012

DATE : 10/22/12

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	436	100%	26,852	62	\$0.055	\$1,485	7	0.02	\$8.74	\$61	0	\$4.50	\$0
August	1	218	100%	23,479	107	\$0.057	\$1,329	7	0.03	\$8.74	\$61	0	\$4.50	\$0
September	137	80	100%	19,036	88	\$0.061	\$1,155	7	0.03	\$8.74	\$61	0	\$4.50	\$0
October	385	2	100%	20,106	52	\$0.056	\$1,130	7	0.02	\$8.74	\$61	0	\$4.50	\$0
November	587	0	100%	17,040	29	\$0.056	\$951	27	0.05	\$30.11	\$813	0	\$4.50	\$0
December	916	0	100%	19,125	21	\$0.053	\$1,023	16	0.02	\$53.75	\$860	0	\$4.50	\$0
1st half yr	2026	736		125,638	45	\$0.056	\$7,073	71.00	0.03	\$27.01	\$1,918	0	\$4.50	\$0
January	1070	0	100%	16,554	15	\$0.055	\$912	98	0.09	\$3.72	\$365	0	\$4.50	\$0
February	922	0	100%	17,412	19	\$0.055	\$958	170	0.18	\$2.60	\$442	0	\$4.50	\$0
March	445	19	100%	17,412	38	\$0.057	\$994	196	0.42	\$3.62	\$709	0	\$4.50	\$0
April	464	4	100%	17,248	37	\$0.057	\$976	165	0.35	\$5.03	\$830	0	\$4.50	\$0
May	90	97	100%	21,123	113	\$0.054	\$1,136	58	0.31	\$5.65	\$328	0	\$4.50	\$0
June	26	218	100%	20,886	86	\$0.055	\$1,150	48	0.20	\$2.34	\$112	0	\$4.50	\$0
2nd half yr	3017	338		110,635	33	\$0.055	\$6,127	735	0.22	\$3.79	\$2,786	0	\$4.50	\$0
TOTAL/YEAR	5043	1074		236,273	39	\$0.056	\$13,200	806.00	0.13	\$5.84	\$4,704	0	\$4.50	\$0

Building Data:	1956	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	32,086	Electricity = KWH X 34.13	806,400
Gross Volume (ft)3	256,688	Natural Gas = MCF X 102,500	82,615
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	889,015
		Total BTU Consumption/Yr	889,014,749
		Gross Area (ft) 2	32,086
		Divided by 100,000 =	0.2771
		THERMS	

COST / SQ. FT. / YEAR \$0.56  
WATER / SQ. FT. / YEAR \$0.22

BUILDING: Ruppert Health Center  
FY YEAR: 2012

DATE: 10/22/12

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	@20 Gal/Hr TOTAL
July August September	0	436	100%	158,256	363	\$0.055	\$8,750	0	0.00	\$12.10	0	\$4.50	\$0	\$8,750
	1	218	100%	105,008	479	\$0.057	\$5,944	2	0.01	\$12.10	0	\$4.50	\$0	\$5,968
	137	80	100%	133,312	614	\$0.061	\$8,086	261	1.20	\$12.10	0	\$4.50	\$0	\$11,248
October November December	385	2	100%	122,992	318	\$0.056	\$6,915	734	1.90	\$12.10	0	\$4.50	\$0	\$15,802
	587	0	100%	112,768	192	\$0.056	\$6,293	1,120	1.91	\$12.10	0	\$4.50	\$0	\$19,843
	916	0	100%	121,072	132	\$0.053	\$6,476	1,747	1.91	\$12.10	0	\$4.50	\$0	\$27,621
1st half yr	2026	736		753,408	273	\$0.056	\$42,464	3,865.09	1.40	\$12.10	0	\$4.50	\$0	\$89,232
January February March	1070	0	100%	137,872	129	\$0.055	\$7,597	2,041	1.91	\$12.10	0	\$4.50	\$0	\$32,296
	922	0	100%	144,016	156	\$0.055	\$7,925	1,759	1.91	\$12.10	0	\$4.50	\$0	\$29,208
	445	19	100%	156,480	337	\$0.057	\$8,933	849	1.83	\$12.10	0	\$4.50	\$0	\$19,206
April May June	464	4	100%	133,080	284	\$0.057	\$7,532	885	1.89	\$12.10	0	\$4.50	\$0	\$18,242
	90	97	100%	159,088	851	\$0.054	\$8,557	172	0.92	\$12.10	0	\$4.50	\$0	\$10,635
	26	218	100%	172,590	707	\$0.055	\$9,506	50	0.20	\$12.10	0	\$4.50	\$0	\$10,106
2nd half yr	3017	338		903,126	269	\$0.055	\$50,050	5,756	1.72	\$12.10	0	\$4.50	\$0	\$119,693
TOTAL/YEAR	5043	1074		1,856,534	271	\$0.056	\$92,514	9,620.75	1.57	\$12.10	0	\$4.50	\$0	\$208,925

Building Data:	1985	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	114,126	Electricity = KWH X 3413	5,653,751
Gross Volume (ft)3	913,008	Steam = M (lbs) X 1,000,000	9,620,747
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	15,274,497
COST / SQ. FT. / YEAR	\$1.83		
WATER / SQ. FT. / YEAR	\$0.35		

Energy Utilization Index =

Total BTU Consumption/Yr 15,274,497.484  
Gross Area (ft) 2 114,126

Divided by 100,000 = 1.3384 THERMS

BUILDING: Veterans Administration Bldg. DATE: 10/22/12  
 FY YEAR: 2012

MONTH	DEGREE DAYS (DD)			ELECTRICITY			NATURAL GAS			FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	Load-shed Hours	Cost per Gal	
July	0	436	100%	71,442	164	\$0.055	22	0.05	\$6.09	0	\$4.50	\$4,084
August	1	218	100%	66,080	302	\$0.057	14	0.06	\$7.09	0	\$4.50	\$3,840
September	137	80	100%	50,667	233	\$0.061	15	0.07	\$6.31	0	\$4.50	\$3,168
October	385	2	100%	47,222	122	\$0.056	15	0.04	\$6.02	0	\$4.50	\$2,745
November	587	0	100%	42,630	73	\$0.056	15	0.03	\$6.33	0	\$4.50	\$2,474
December	916	0	100%	45,327	49	\$0.053	18	0.02	\$6.44	0	\$4.50	\$2,541
1st half yr	2026	736		323,368	117	\$0.056	99.00	0.04	\$6.36	0	\$4.50	\$18,851
January	1070	0	100%	49,471	46	\$0.055	38	0.04	\$5.96	0	\$4.50	\$2,952
February	922	0	100%	43,195	47	\$0.055	120	0.13	\$5.97	0	\$4.50	\$3,084
March	445	19	100%	53,660	116	\$0.057	149	0.32	\$5.41	0	\$4.50	\$3,870
April	484	4	100%	46,806	100	\$0.057	132	0.28	\$5.26	0	\$4.50	\$3,344
May	90	97	100%	53,261	285	\$0.054	48	0.26	\$5.62	0	\$4.50	\$3,135
June	26	218	100%	64,441	264	\$0.055	22	0.09	\$6.27	0	\$4.50	\$3,687
2nd half yr	3017	338		310,835	93	\$0.055	509	0.15	\$5.60	0	\$4.50	\$20,081
TOTAL/YEAR	5043	1074		634,203	104	\$0.056	608.00	0.10	\$5.73	0	\$4.50	\$38,933

Building Data:	1978	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	40,447	Electricity = KWH X 3413	2,164,533
Gross Volume (ft)3	323,576	Natural Gas = MCF X 102,500	62,320
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,226,853
		Energy Utilization Index =	
		Total BTU Consumption/Yr	2,226,853,133
		Gross Area (ft) 2	40,447
		Divided by 100,000 =	0.5506
		THERMS	

COST / SQ. FT. / YEAR \$0.96  
 WATER / SQ. FT. / YEAR \$0.10

BUILDING: Basic Science Lab-Classroom Ctr-Allied Health  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		TOTAL	1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh per DD	Cost per kWh			Mcf per DD	Cost per Mcf		Load-shed Hours	Cost per Gal	
July	0	436	100%	194	\$0.122	\$10,345	0	0.00	\$0.00	\$0	0	\$4.50	\$10,345
August	1	218	100%	420	\$0.120	\$11,007	0	0.00	\$0.00	\$0	0	\$4.50	\$11,007
September	137	80	100%	366	\$0.116	\$9,213	0	0.00	\$0.00	\$0	0	\$4.50	\$9,213
October	385	2	100%	218	\$0.104	\$8,738	0	0.00	\$0.00	\$0	0	\$4.50	\$8,738
November	587	0	100%	174	\$0.094	\$9,614	0	0.00	\$0.00	\$0	0	\$4.50	\$9,614
December	916	0	100%	172	\$0.084	\$13,195	0	0.00	\$0.00	\$0	0	\$4.50	\$13,195
1st half yr	2026	736		217	\$0.107	\$62,111	0.00	0.00	\$0.00	\$0	0	\$4.50	\$62,111
January	1070	0	100%	132	\$0.082	\$11,563	0	0.00	\$0.00	\$0	0	\$4.50	\$11,563
February	922	0	100%	140	\$0.088	\$11,367	0	0.00	\$0.00	\$0	0	\$4.50	\$11,367
March	445	19	100%	187	\$0.111	\$9,585	0	0.00	\$0.00	\$0	0	\$4.50	\$9,585
April	464	4	100%	118	\$0.126	\$6,994	0	0.00	\$0.00	\$0	0	\$4.50	\$6,994
May	90	97	100%	390	\$0.124	\$9,054	0	0.00	\$0.00	\$0	0	\$4.50	\$9,054
June	26	218	100%	369	\$0.117	\$10,542	0	0.00	\$0.00	\$0	0	\$4.50	\$10,542
2nd half yr	3017	338		171	\$0.108	\$59,104	0	0.00	\$0.00	\$0	0	\$4.50	\$59,104
TOTAL/YEAR	5043	1074		192	\$0.107	\$121,215	0.00	0.00	\$0.00	\$0	0	\$4.50	\$121,215

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	77,096	Electricity = KWH X 3413	4,011,406
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's x 1,000	4,011,406
		Total BTU Consumption/Yr	4,011,406.068
		Gross Area (ft) 2	77,096
		Divided by 100,000 =	0.5203
		THERMS	

COST / SQ. FT. / YEAR \$1.57

WATER / SQ. FT. / YEAR \$0.13

BUILDING: Engineering Tech Lab Center  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		ELECTRICITY				NATURAL GAS			FUEL OIL			TOTAL ENERGY COST		
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours		Cost per Gal	@20 Gal/Hr TOTAL
July	0	436	100%	11,657	27	\$0.122	\$1,424	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,424
August	1	218	100%	12,339	56	\$0.120	\$1,475	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,475
September	137	80	100%	11,883	55	\$0.116	\$1,377	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,377
October	385	2	100%	18,983	49	\$0.104	\$1,966	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,966
November	587	0	100%	34,285	58	\$0.084	\$3,221	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,221
December	916	0	100%	56,176	61	\$0.084	\$4,717	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,717
1st half yr	2026	736		145,323	53	\$0.107	\$14,181	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$14,181
January	1070	0	100%	52,271	49	\$0.082	\$4,268	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,268
February	922	0	100%	50,970	55	\$0.088	\$4,503	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,503
March	445	19	100%	32,843	71	\$0.111	\$3,635	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,635
April	464	4	100%	31,804	68	\$0.126	\$4,021	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,021
May	90	97	100%	33,811	181	\$0.124	\$4,192	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,192
June	26	218	100%	31,927	131	\$0.117	\$3,738	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,738
2nd half yr	3017	338		233,626	70	\$0.108	\$24,357	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$24,357
TOTAL/YEAR	5043	1074		378,949	62	\$0.107	\$38,538	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$38,538

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000	1,293,352	Energy Utilization Index =
Gross Area (ft)2	24,812	Electricity = KWH X 3413			
Gross Volume (ft)3	198,496	Natural Gas = MCF X 102,500	0		Total BTU Consumption/Yr 1,293,352,254
General Notes:		Fuel Oil = Gallons X 138,690	0		Gross Area (ft) 2 24,812
		Other Fuel	0		Divided by 100,000 = 0.5213 THERMS
		TOTAL BTU's x 1,000	1,293,352		

COST / SQ. FT. / YEAR \$1.55

WATER / SQ. FT. / YEAR \$0.13

BUILDING: Faculty Annex  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	KWh	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf		Load-shed Hours	Cost per Gal @20 Gal/Hr TOTAL	
July	0	436	100%	10,322	24	\$0.122	0	0.00	\$0.00	\$0	0	\$4.50	\$1,261
August	1	218	100%	11,460	52	\$0.120	0	0.00	\$0.00	\$0	0	\$4.50	\$1,370
September	137	80	100%	11,323	52	\$0.116	0	0.00	\$0.00	\$0	0	\$4.50	\$1,312
October	385	2	100%	11,885	31	\$0.104	0	0.00	\$0.00	\$0	0	\$4.50	\$1,231
November	587	0	100%	12,950	22	\$0.094	0	0.00	\$0.00	\$0	0	\$4.50	\$1,217
December	916	0	100%	19,561	21	\$0.084	0	0.00	\$0.00	\$0	0	\$4.50	\$1,643
1st half yr	2026	736		77,501	28	\$0.107	0.00	0.00	\$0.00	\$0	0	\$4.50	\$8,033
January	1070	0	100%	17,928	17	\$0.082	0	0.00	\$0.00	\$0	0	\$4.50	\$1,464
February	922	0	100%	15,901	17	\$0.088	0	0.00	\$0.00	\$0	0	\$4.50	\$1,405
March	445	19	100%	13,534	29	\$0.111	0	0.00	\$0.00	\$0	0	\$4.50	\$1,498
April	464	4	100%	8,182	17	\$0.126	0	0.00	\$0.00	\$0	0	\$4.50	\$1,034
May	90	97	100%	17,137	92	\$0.124	0	0.00	\$0.00	\$0	0	\$4.50	\$2,125
June	26	218	100%	19,239	79	\$0.117	0	0.00	\$0.00	\$0	0	\$4.50	\$2,253
2nd half yr	3017	338		91,922	27	\$0.108	0	0.00	\$0.00	\$0	0	\$4.50	\$9,778
TOTAL/YEAR	5043	1074		189,423	28	\$0.107	0.00	0.00	\$0.00	\$0	0	\$4.50	\$17,812

Building Data:	1993	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	8,895	Electricity = KWH X 3413	578,241
Gross Volume (ft)3	71,160	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	578,241
COST / SQ. FT. / YEAR		\$2.00	
WATER / SQ. FT. / YEAR		\$0.13	

Energy Utilization Index =

Total BTU Consumption/Yr	578,241,040
Gross Area (ft) 2	8,895
Divided by 100,000 =	0.6501
	THERMS

BUILDING: Findlay Athletic Complex  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		TOTAL	1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh	kWh per DD			Mcf per DD	Cost per Mcf			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	9,955	23	\$0.122	8	0.02	\$12.89	\$108	0	\$4.50	\$0	\$1,324
August	1	218	100%	11,039	50	\$0.120	8	0.04	\$13.03	\$106	0	\$4.50	\$0	\$1,425
September	137	80	100%	6,098	28	\$0.116	13	0.06	\$11.52	\$150	0	\$4.50	\$0	\$856
October	385	2	100%	7,307	19	\$0.104	27	0.07	\$3.23	\$86	0	\$4.50	\$0	\$843
November	587	0	100%	7,307	12	\$0.084	105	0.18	\$3.22	\$339	0	\$4.50	\$0	\$1,026
December	916	0	100%	3,709	4	\$0.084	265	0.29	\$3.21	\$852	0	\$4.50	\$0	\$1,163
1st half yr	2026	736		45,414	16	\$0.107	426.50	0.15	\$3.85	\$1,640	0	\$4.50	\$0	\$6,637
January	1070	0	100%	5,565	5	\$0.082	245	0.23	\$1.58	\$388	0	\$4.50	\$0	\$843
February	922	0	100%	6,413	7	\$0.088	409	0.44	\$4.09	\$1,870	0	\$4.50	\$0	\$2,236
March	445	19	100%	6,053	13	\$0.111	466	1.00	\$4.47	\$2,083	0	\$4.50	\$0	\$2,752
April	464	4	100%	11,121	24	\$0.126	287	0.61	\$6.00	\$1,720	0	\$4.50	\$0	\$3,126
May	90	97	100%	7,930	42	\$0.124	272	1.46	\$6.24	\$1,700	0	\$4.50	\$0	\$2,683
June	26	218	100%	8,350	34	\$0.117	131	0.54	\$6.77	\$889	0	\$4.50	\$0	\$1,867
2nd half yr	3017	338		45,432	14	\$0.108	1,810	0.54	\$4.67	\$8,450	0	\$4.50	\$0	\$13,508
TOTAL/YEAR	5043	1074		90,846	15	\$0.107	2,236.30	0.37	\$4.51	\$10,090	0	\$4.50	\$0	\$20,145

Building Data:	2000	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	6,593	Electricity = KWH X 3413	310,057
Gross Volume (ft)3	52,744	Natural Gas = MCF X 102,500	229,221
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	539,278
		Energy Utilization Index =	
		Total BTU Consumption/Yr	539,278,148
		Gross Area (ft) 2	6,593
		Divided by 100,000 =	0.8180
			THERMS

COST / SQ. FT. / YEAR \$3.06

WATER / SQ. FT. / YEAR \$0.13

BUILDING: LRC ASC and Concourse  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	ELECTRICITY		1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh		Mcf per DD	Cost per Mcf			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	127,714	293	\$0.122	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$15,602
August	1	218	100%	121,999	557	\$0.120	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$14,584
September	137	80	100%	112,494	518	\$0.116	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$13,036
October	385	2	100%	172,948	447	\$0.104	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$17,916
November	587	0	100%	187,788	320	\$0.094	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$17,641
December	916	0	100%	276,917	302	\$0.084	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$23,255
1st half yr	2026	736		999,860	362	\$0.107	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$102,034
January	1070	0	100%	269,194	252	\$0.082	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$21,981
February	922	0	100%	272,355	295	\$0.088	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$24,059
March	445	19	100%	193,133	416	\$0.111	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$21,375
April	464	4	100%	156,604	335	\$0.126	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$19,798
May	90	97	100%	119,502	639	\$0.124	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$14,817
June	26	218	100%	111,057	455	\$0.117	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$13,004
2nd half yr	3017	338		1,121,844	334	\$0.108	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$115,034
TOTAL YEAR	5043	1074		2,121,704	347	\$0.107	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$217,067

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	127,430	Electricity = KWH X 3413	7,241,375
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	7,241,375
		Energy Utilization Index =	
		Total BTU Consumption/Yr	7,241,374,728
		Gross Area (ft)2	127,430
		Divided by 100,000 =	0.5683
		THERMS	

COST / SQ. FT. / YEAR \$1.70

WATER / SQ. FT. / YEAR \$0.13

BUILDING: Non-Academic Services Center  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	ELECTRICITY		NATURAL GAS		FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	Load-shed Hours	Cost per @20 Gal/Hr TOTAL
July	0	436	100%	158,050	363	\$0.122	0	0.00	\$0.00	0	\$0
August	1	218	100%	173,240	791	\$0.120	0	0.00	\$0.00	0	\$0
September	137	80	100%	51,050	235	\$0.116	0	0.00	\$0.00	0	\$0
October	385	2	100%	39,500	102	\$0.104	0	0.00	\$0.00	0	\$0
November	587	0	100%	27,020	46	\$0.094	0	0.00	\$0.00	0	\$0
December	916	0	100%	45,460	50	\$0.084	0	0.00	\$0.00	0	\$0
1st half yr	2026	736		494,320	179	\$0.107	0.00	0.00	\$0.00	0	\$0
January	1070	0	100%	44,260	41	\$0.082	0	0.00	\$0.00	0	\$0
February	922	0	100%	41,740	45	\$0.088	0	0.00	\$0.00	0	\$0
March	445	19	100%	26,840	58	\$0.111	0	0.00	\$0.00	0	\$0
April	484	4	100%	18,176	39	\$0.126	0	0.00	\$0.00	0	\$0
May	90	97	100%	107,106	573	\$0.124	0	0.00	\$0.00	0	\$0
June	26	218	100%	134,169	550	\$0.117	0	0.00	\$0.00	0	\$0
2nd half yr	3017	338		372,291	111	\$0.108	0	0.00	\$0.00	0	\$0
TOTAL YEAR	5043	1074		866,611	142	\$0.107	0.00	0.00	\$0.00	0	\$0

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	14,881	Electricity = KWH X 3413	2,957,744
Gross Volume (ft)3	119,048	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	2,957,744
		Energy Utilization Index =	
		Total BTU Consumption/Yr	2,957,744.367
		Gross Area (ft) 2	14,881
		Divided by 100,000 =	1.9876
		THERMS	

COST / SQ. FT. / YEAR \$6.58

WATER / SQ. FT. / YEAR \$0.13

BUILDING: Scott Park Student Center  
FY YEAR: 2012

DATE : 10/22/12

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	ELECTRICITY		TOTAL	1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling			kWh per DD	Cost per kWh			Mcf per DD	Cost per Mcf			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	436	100%	37,605	86	\$0.122	\$4,594	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,594
August	1	218	100%	34,001	155	\$0.120	\$4,064	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,064
September	137	80	100%	39,908	184	\$0.116	\$4,625	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,625
October	385	2	100%	51,819	134	\$0.104	\$5,368	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,368
November	587	0	100%	58,386	99	\$0.094	\$5,485	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,485
December	916	0	100%	79,912	87	\$0.084	\$6,711	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,711
1st half yr	2026	736		301,632	109	\$0.107	\$30,847	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$30,847
January	1070	0	100%	81,852	76	\$0.082	\$6,684	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,684
February	922	0	100%	86,554	94	\$0.088	\$7,646	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$7,646
March	445	19	100%	48,467	104	\$0.111	\$5,364	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,364
April	464	4	100%	39,107	84	\$0.126	\$4,944	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,944
May	90	97	100%	50,581	270	\$0.124	\$6,272	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,272
June	26	218	100%	44,806	184	\$0.117	\$5,246	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,246
2nd half yr	3017	338		351,367	105	\$0.108	\$36,155	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$36,155
TOTAL/YEAR	5043	1074		652,998	107	\$0.107	\$67,002	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$67,002

Building Data:	1974	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	30,601	Electricity = KWH X 3413	2,228,682
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	2,228,682

Energy Utilization Index =

Total BTU Consumption/Yr	2,228,682,174
Gross Area (ft) 2	30,601

Divided by 100,000 = 0.7283 THERMS

COST / SQ. FT. / YEAR \$2.19

WATER / SQ. FT. / YEAR \$0.13