

Energy Summary

The University of Toledo

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

2013



THE UNIVERSITY OF
TOLEDO
1872



ENERGY SUMMARY

FISCAL YEAR 2013

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

PREPARED BY

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FY2013 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 FY2013. The University's total electric use is 2.2% lower from FY2011 to FY2013 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.



FY2013 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)



FY2013 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, FY2013 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

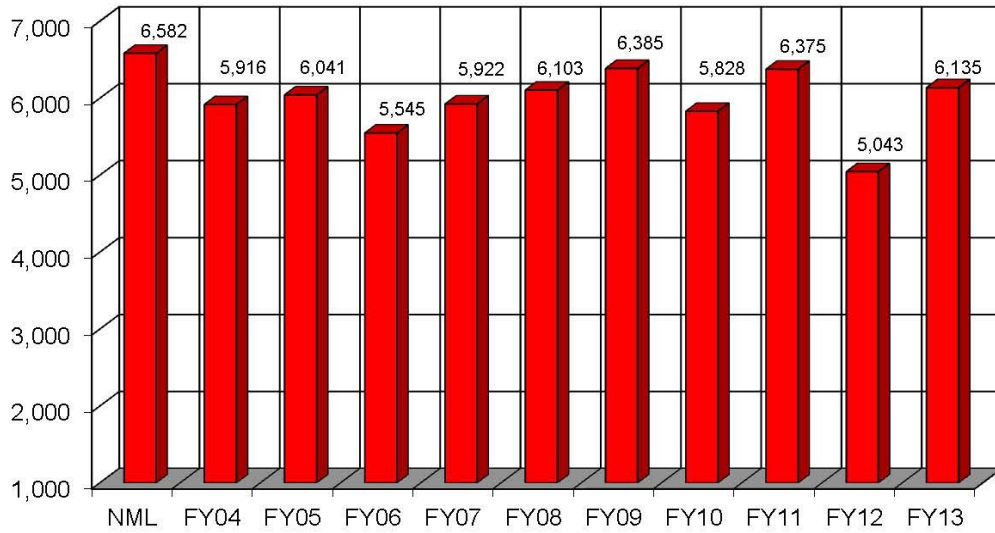
FY2013 ENERGY OUTLOOK

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.

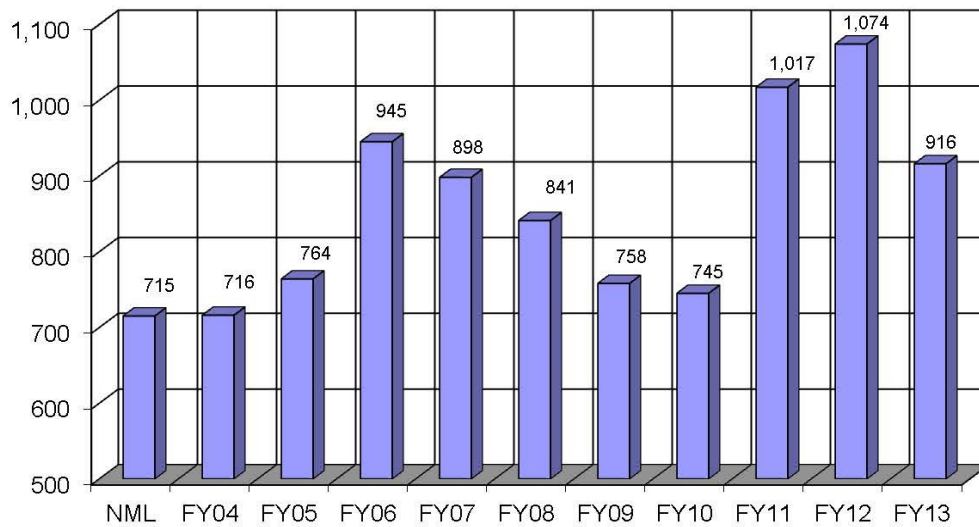


YEARLY DEGREE DAY SUMMARY

HEATING DEGREE DAYS

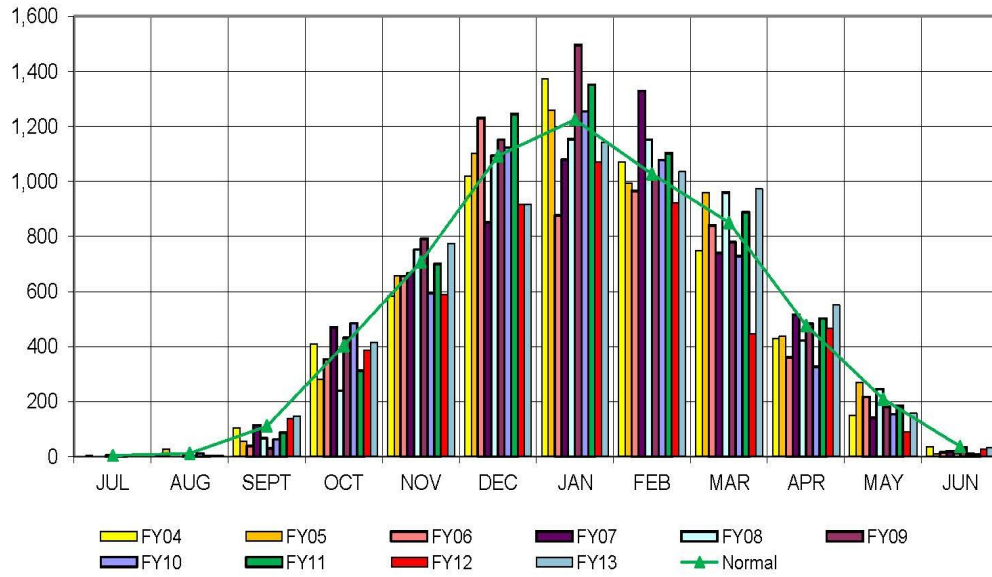


COOLING DEGREE DAYS

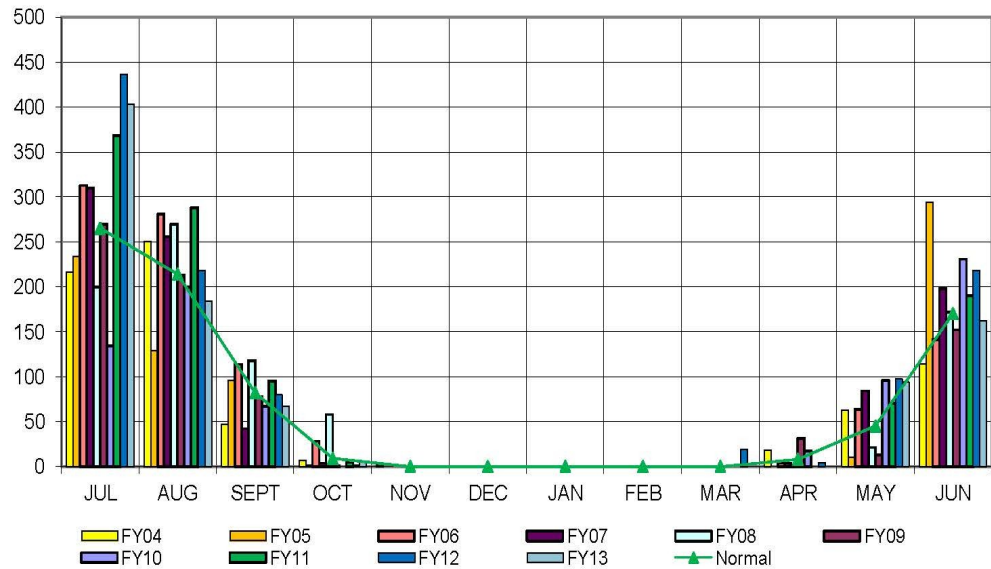


MONTHLY DEGREE DAY SUMMARY

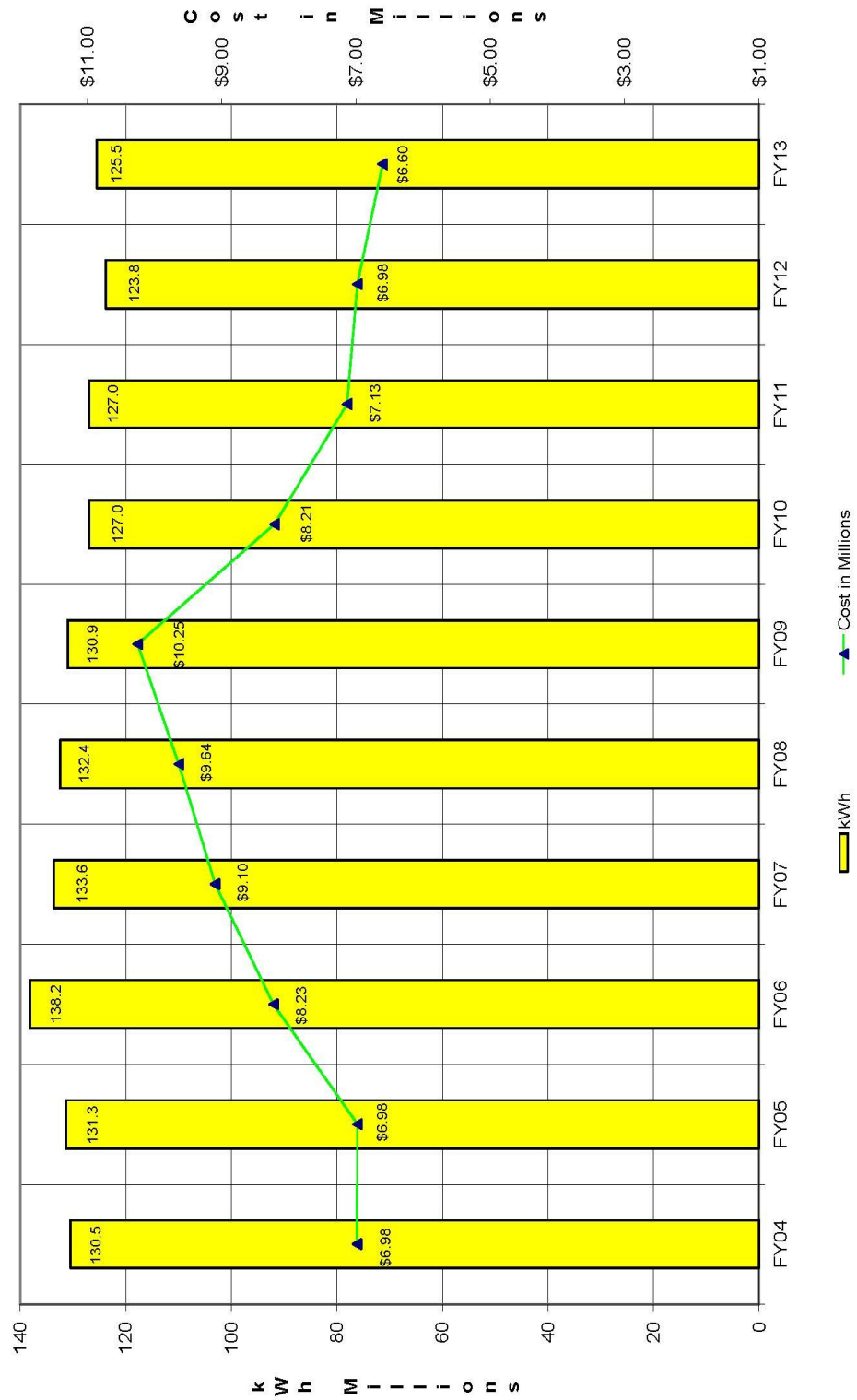
HEATING DEGREE DAYS



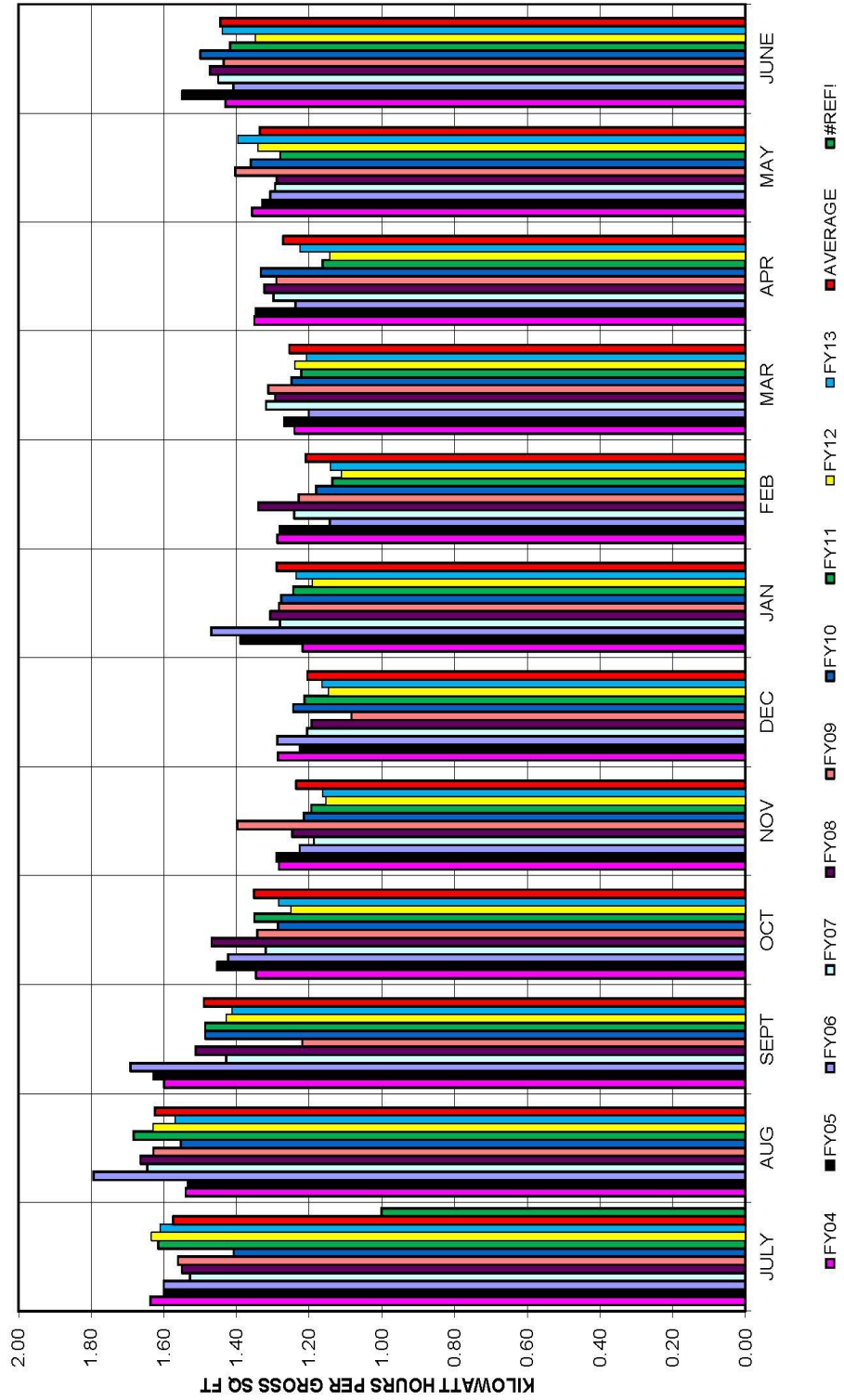
COOLING DEGREE DAYS



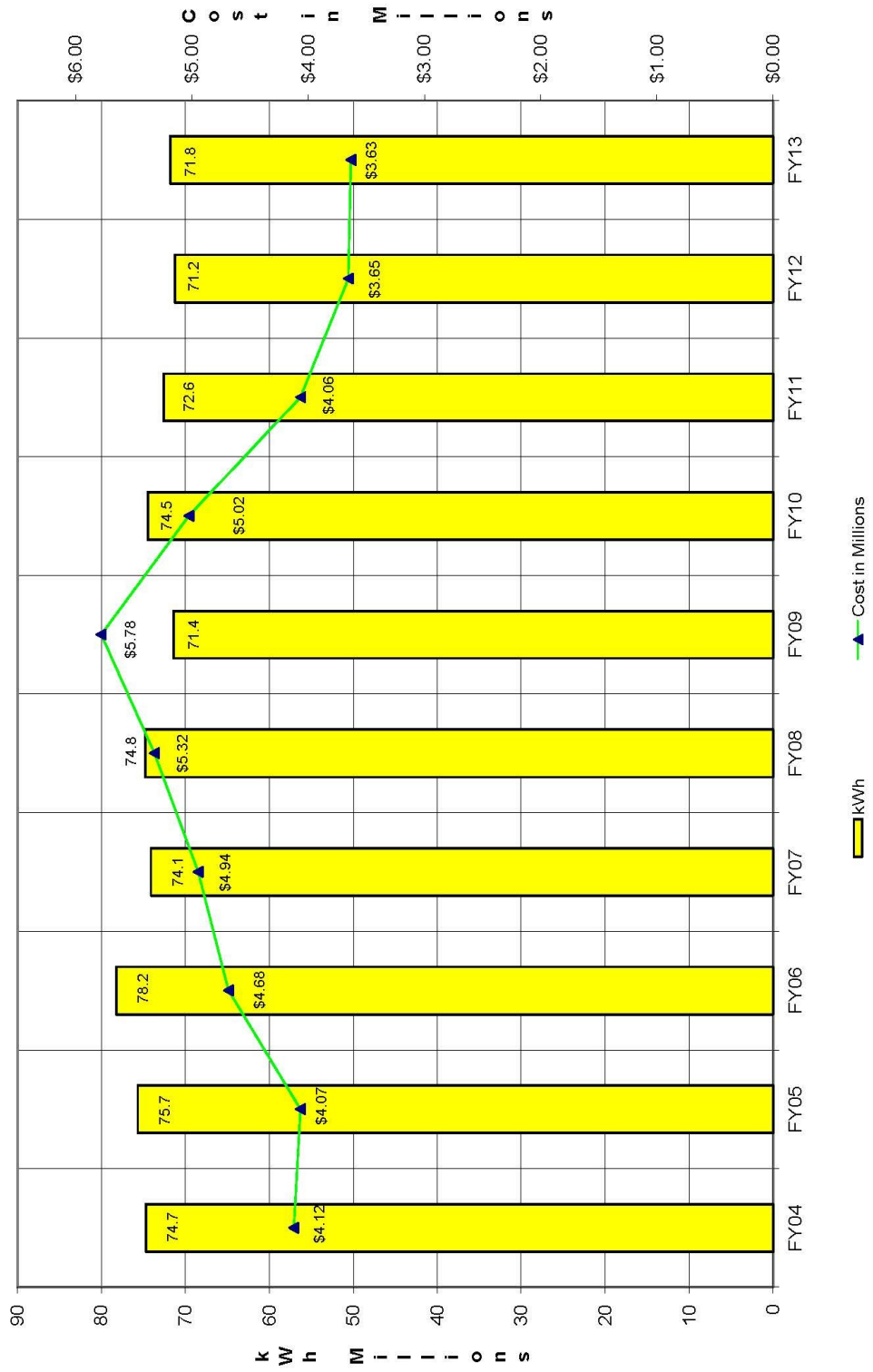
UT ALL CAMPUSES YEARLY SUBSTATION with COST



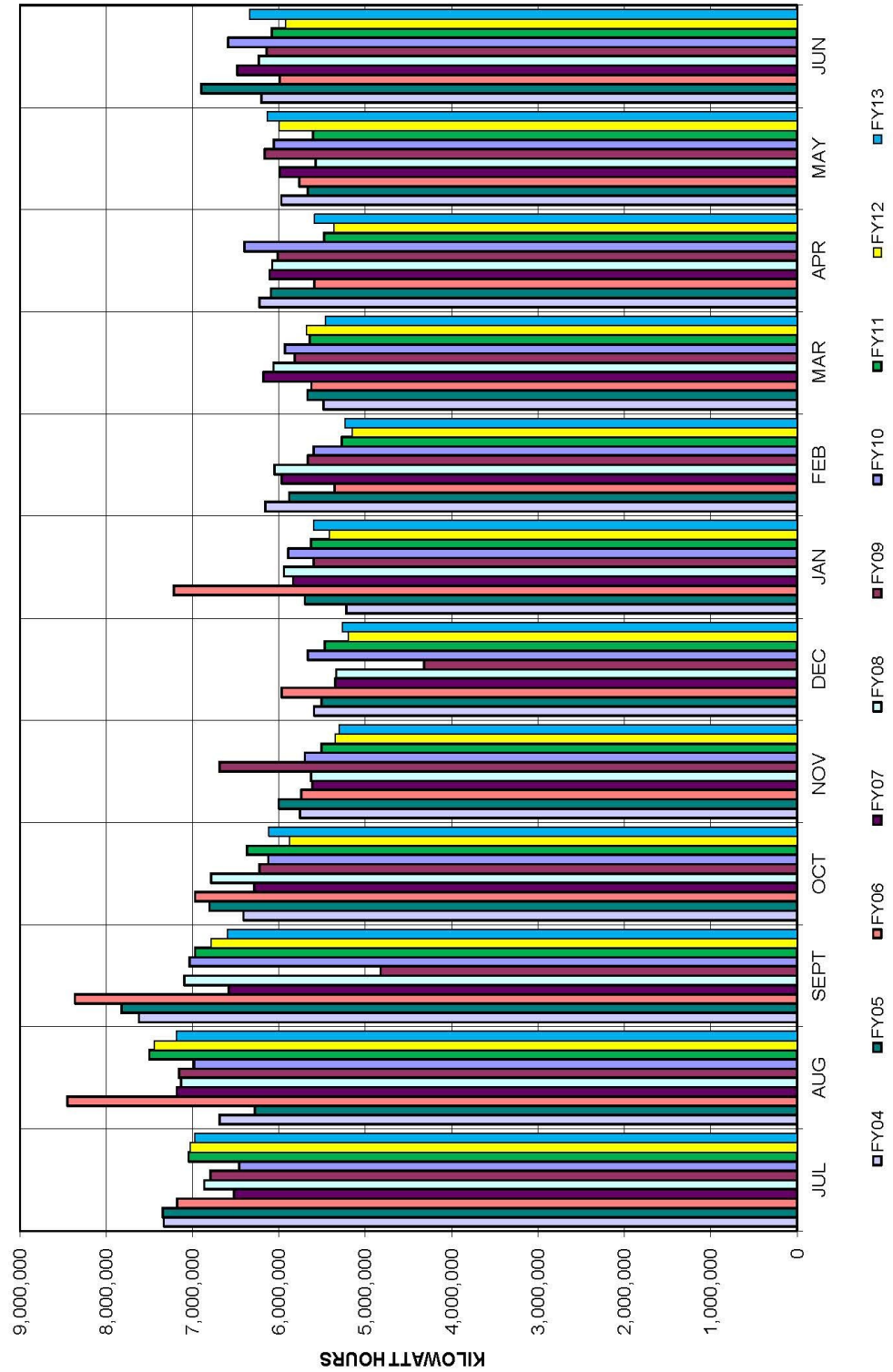
UT ALL CAMPUSES MONTHLY SUBSTATION



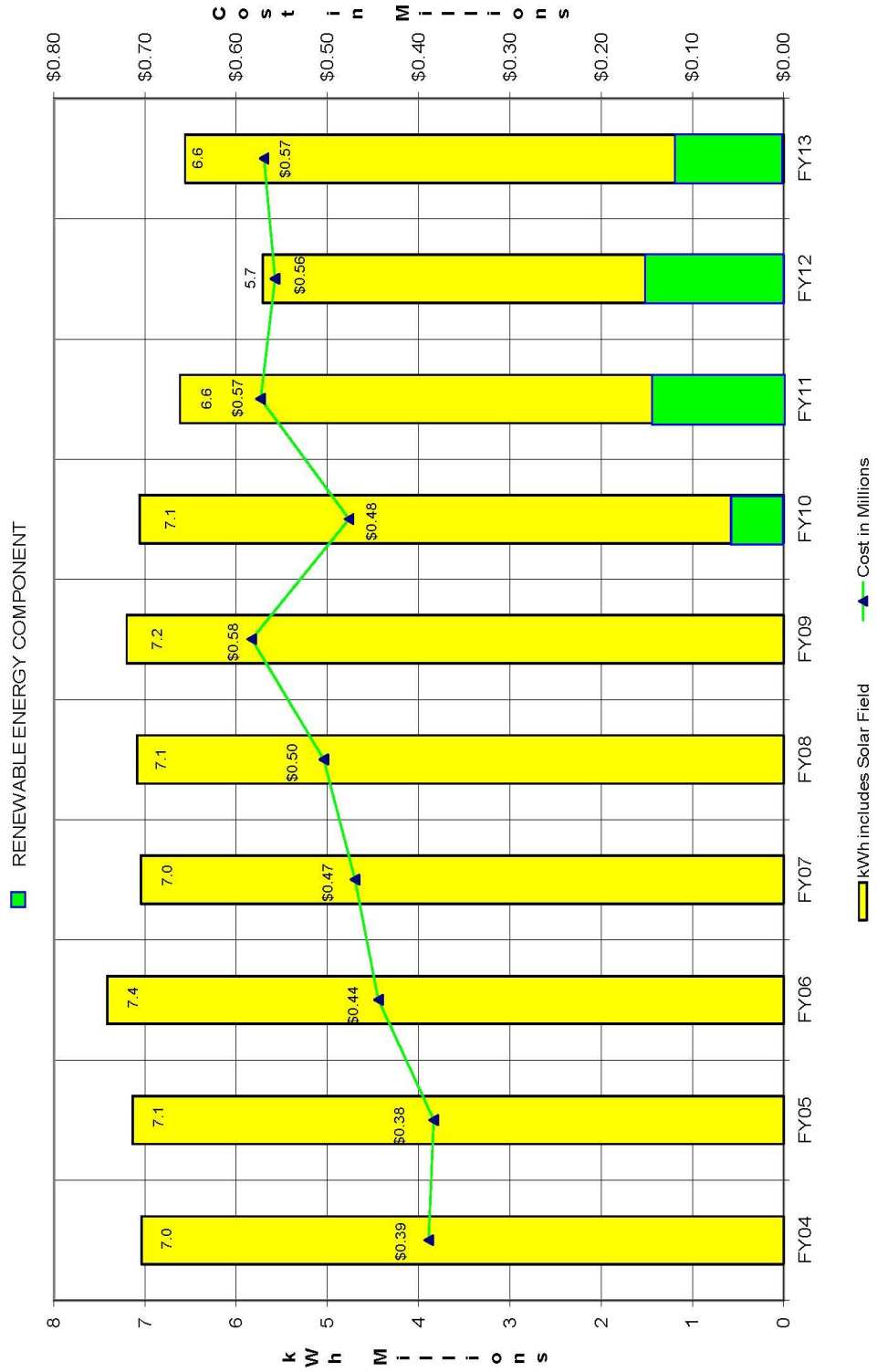
MAIN CAMPUS YEARLY SUBSTATION with COST



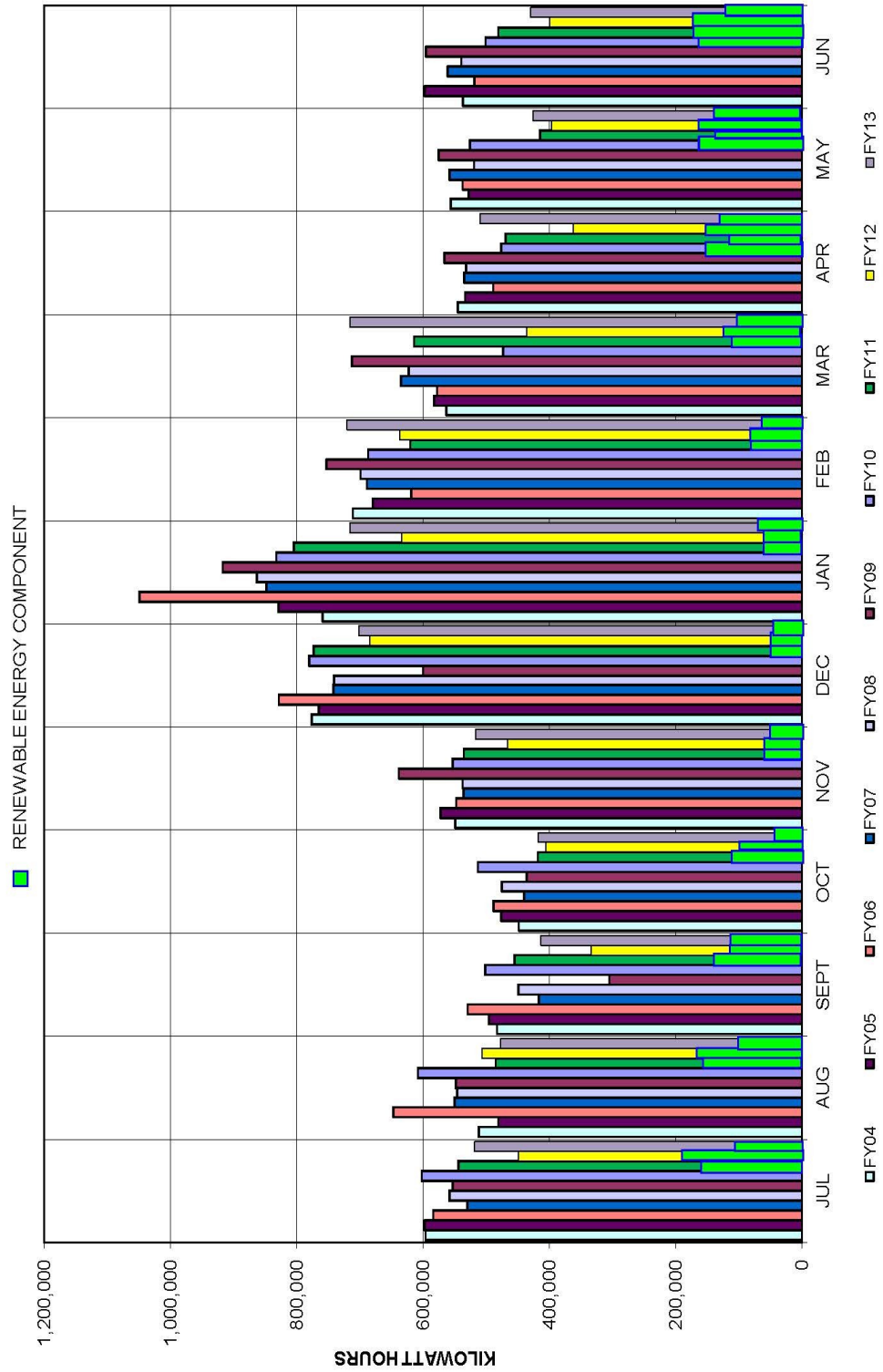
MAIN CAMPUS MONTHLY SUBSTATION



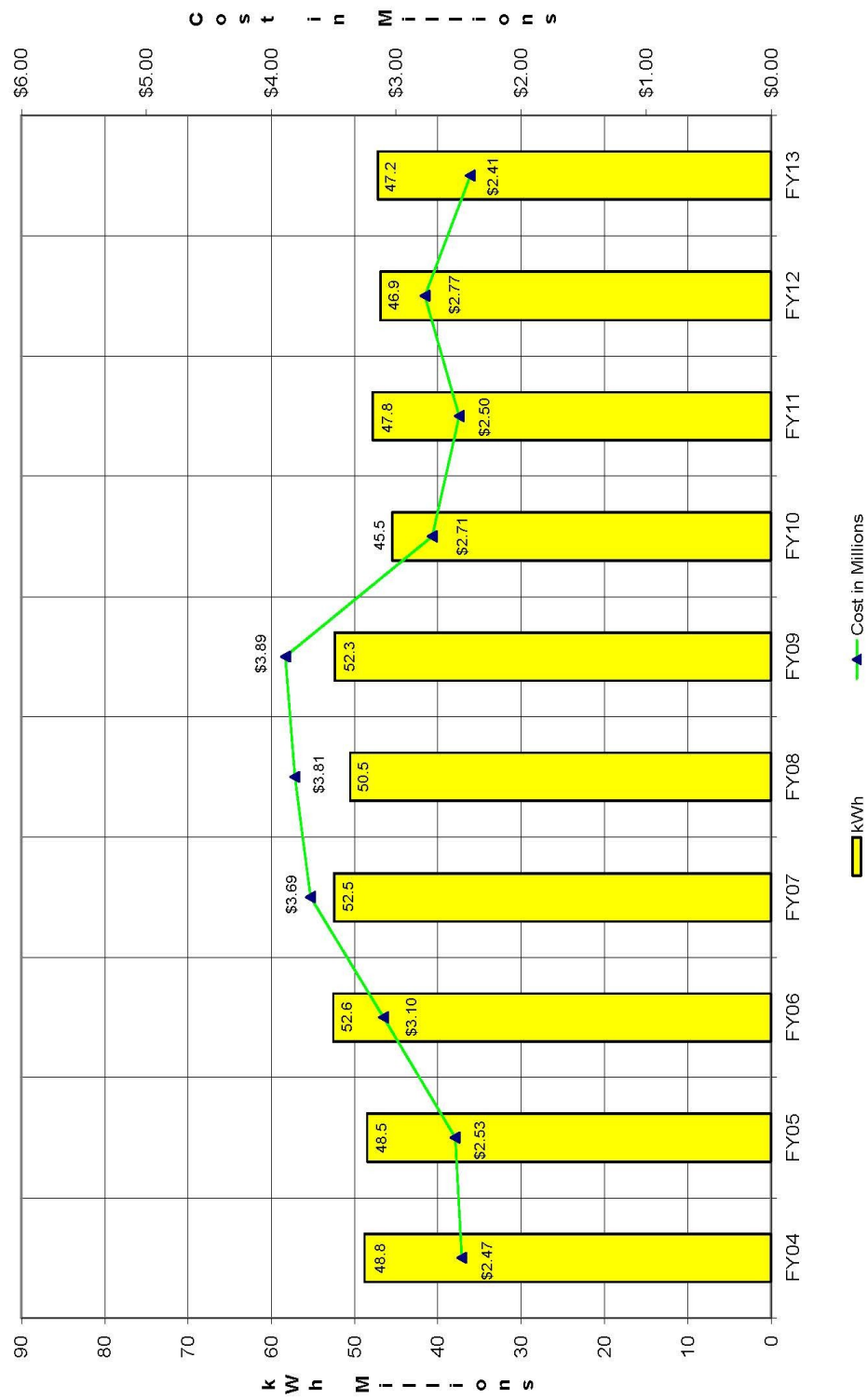
SCOTT PARK CAMPUS YEARLY SUBSTATION with COST



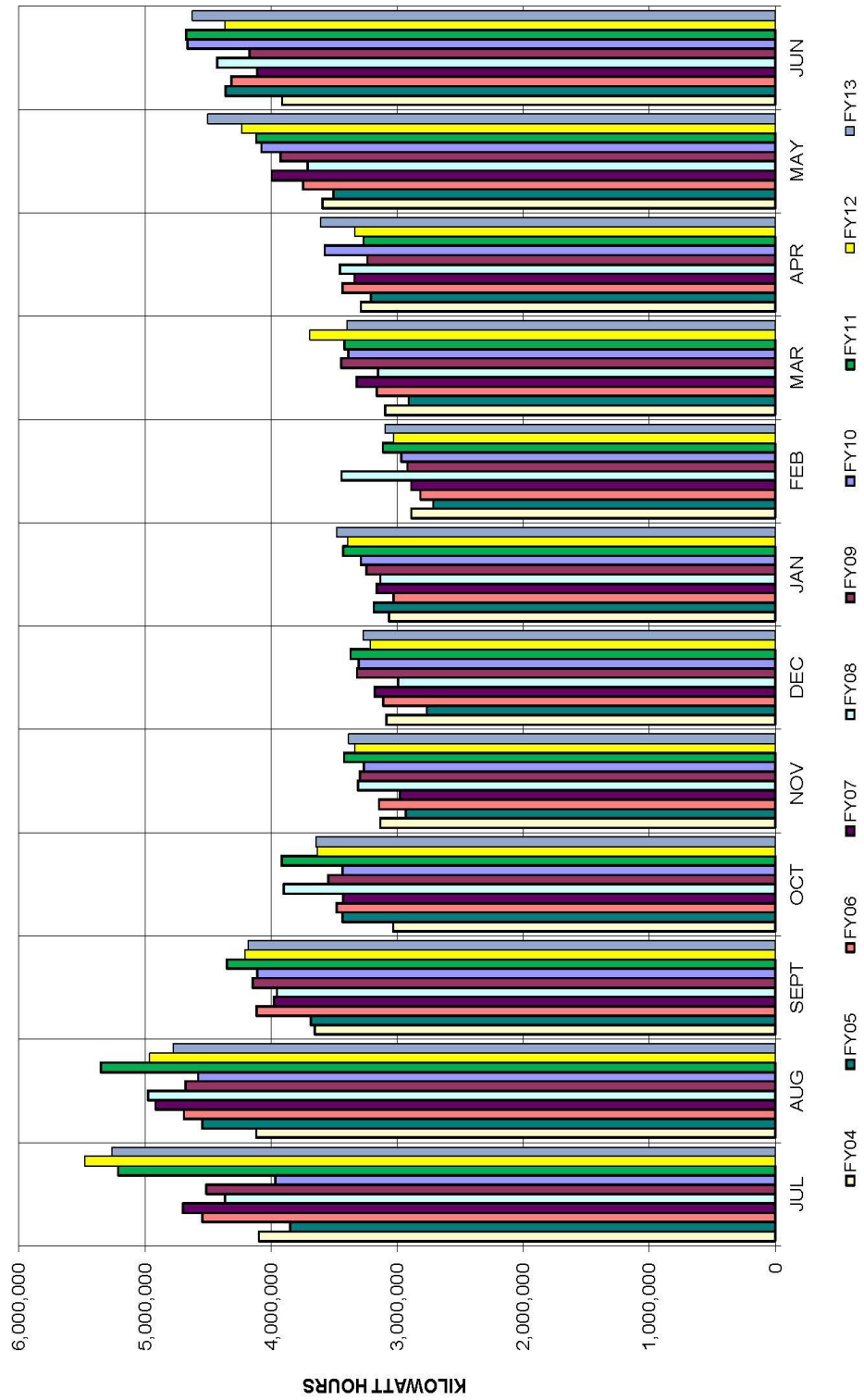
SCOTT PARK CAMPUS MONTHLY SUBSTATION



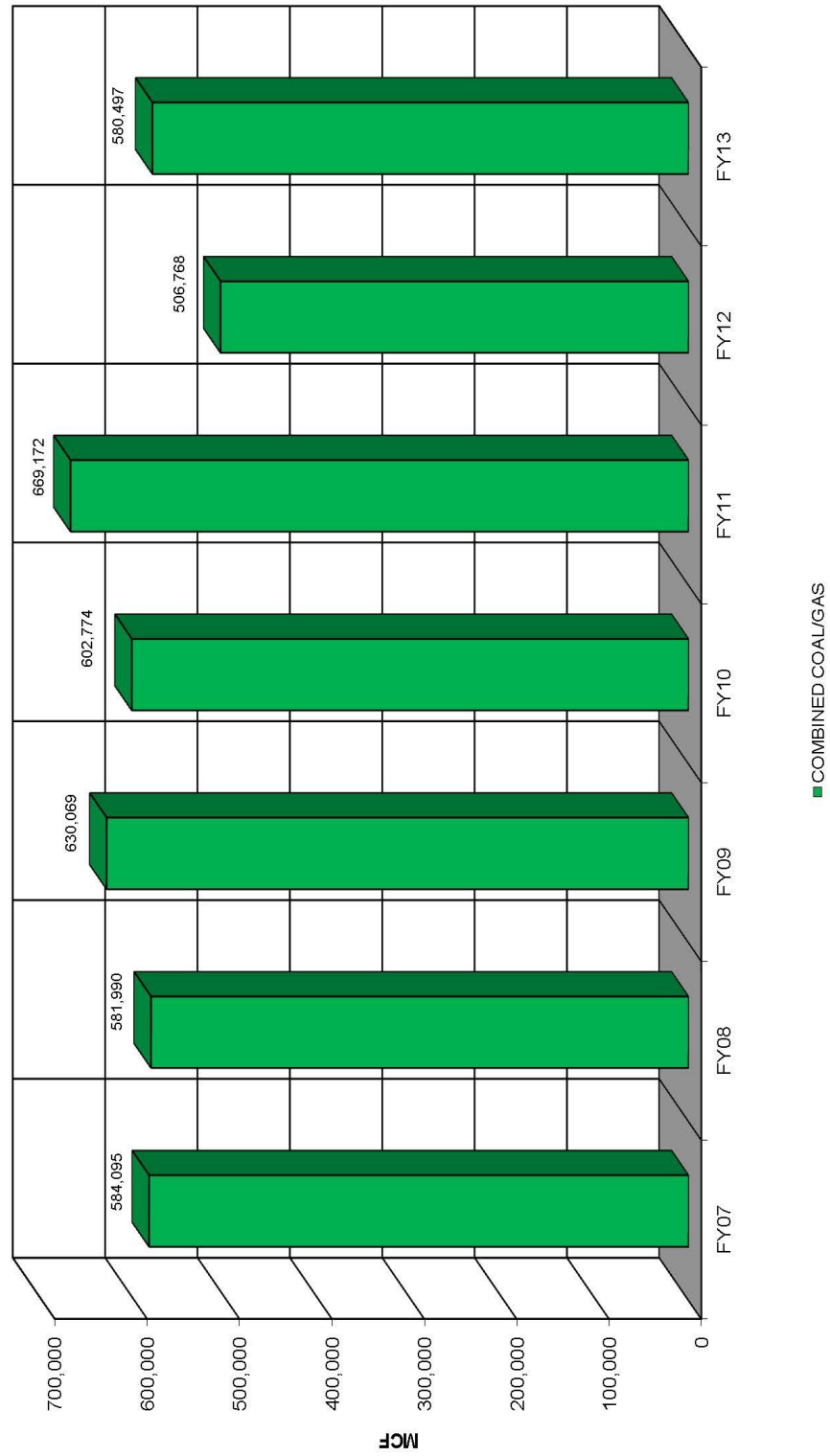
HEALTH SCIENCE CAMPUS YEARLY SUBSTATION with COST



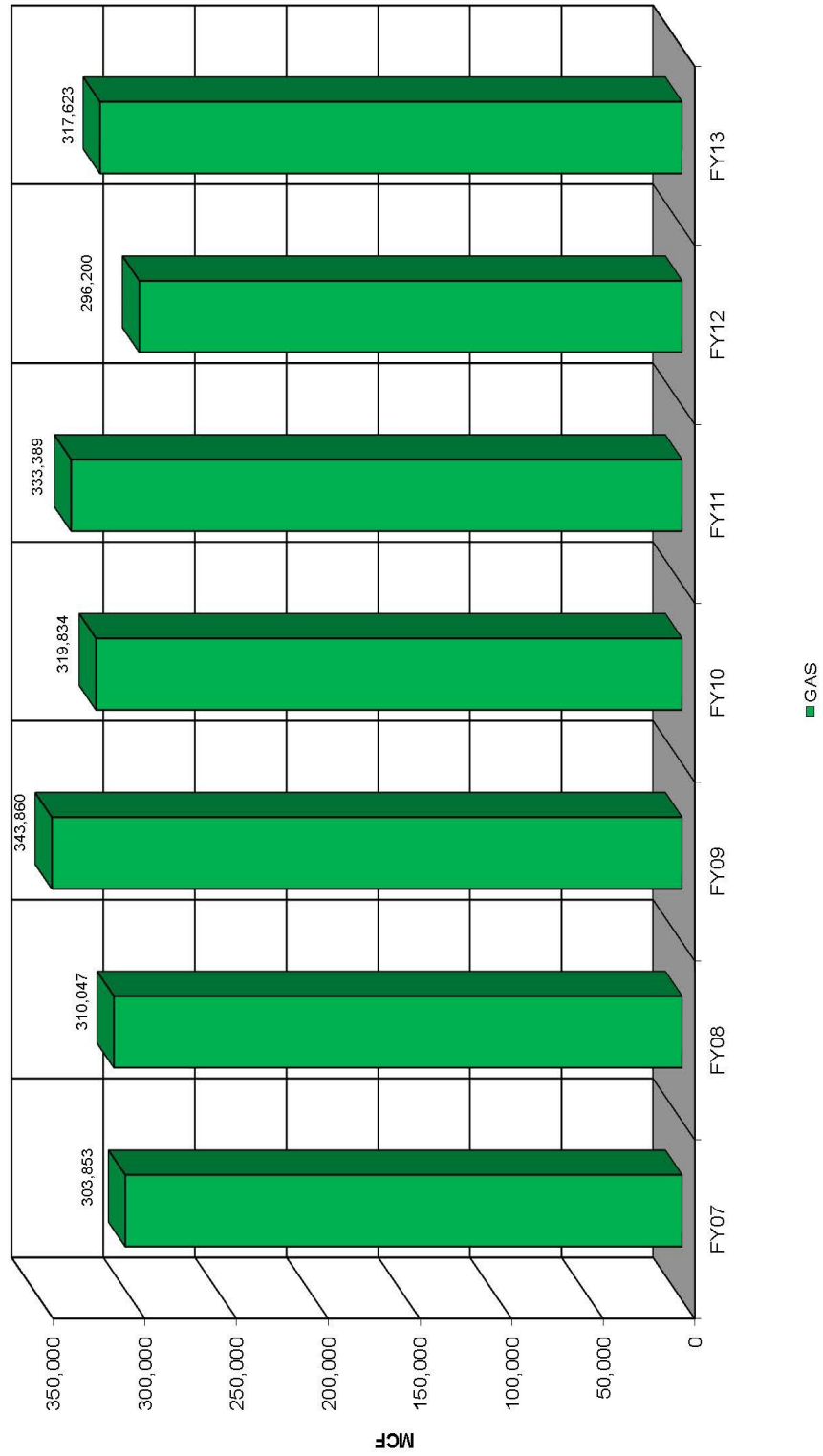
HEALTH SCIENCE CAMPUS MONTHLY SUBSTATION



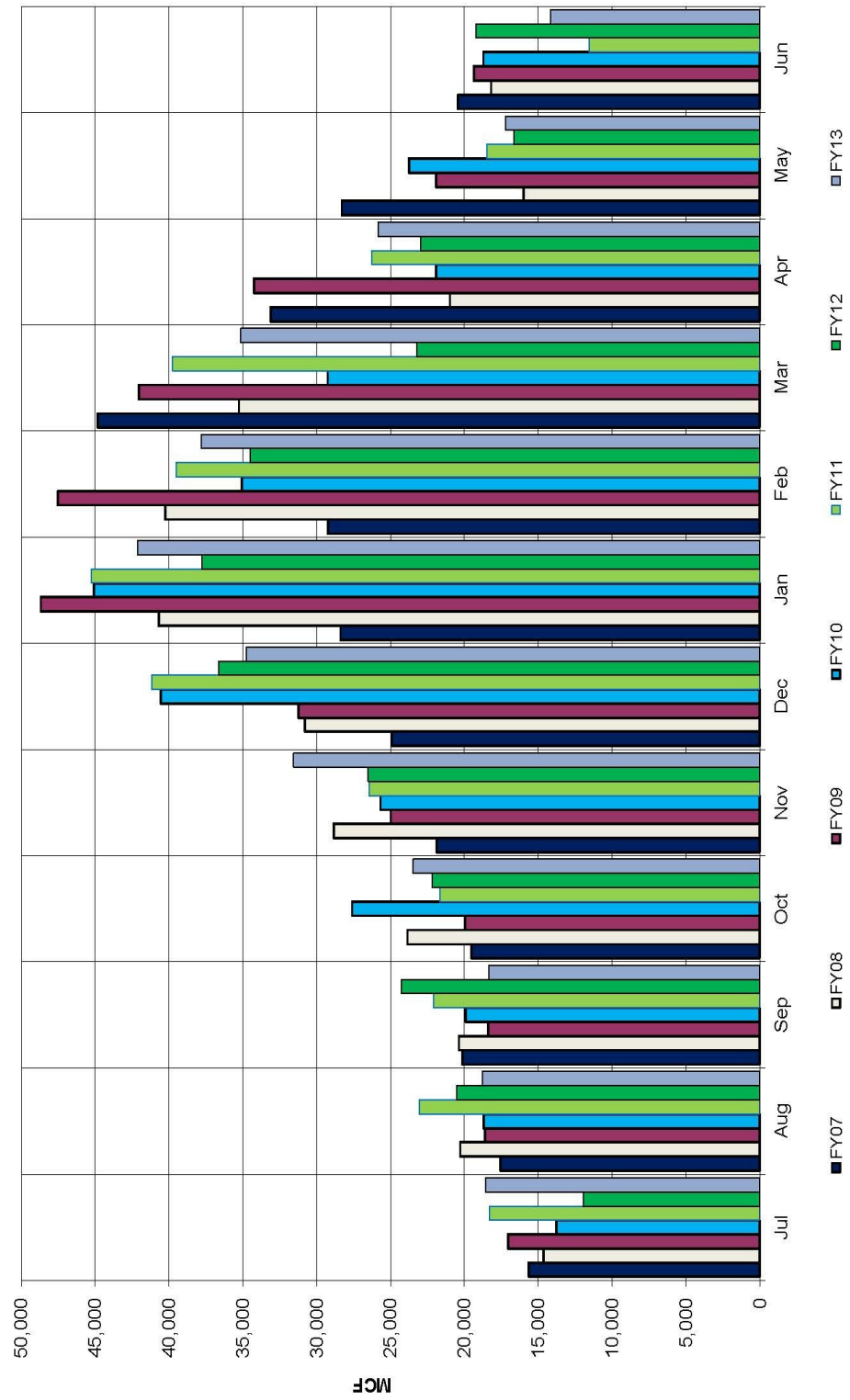
UT ALL CAMPUSES YEARLY STEAM PLANT COMBINED COAL/GAS



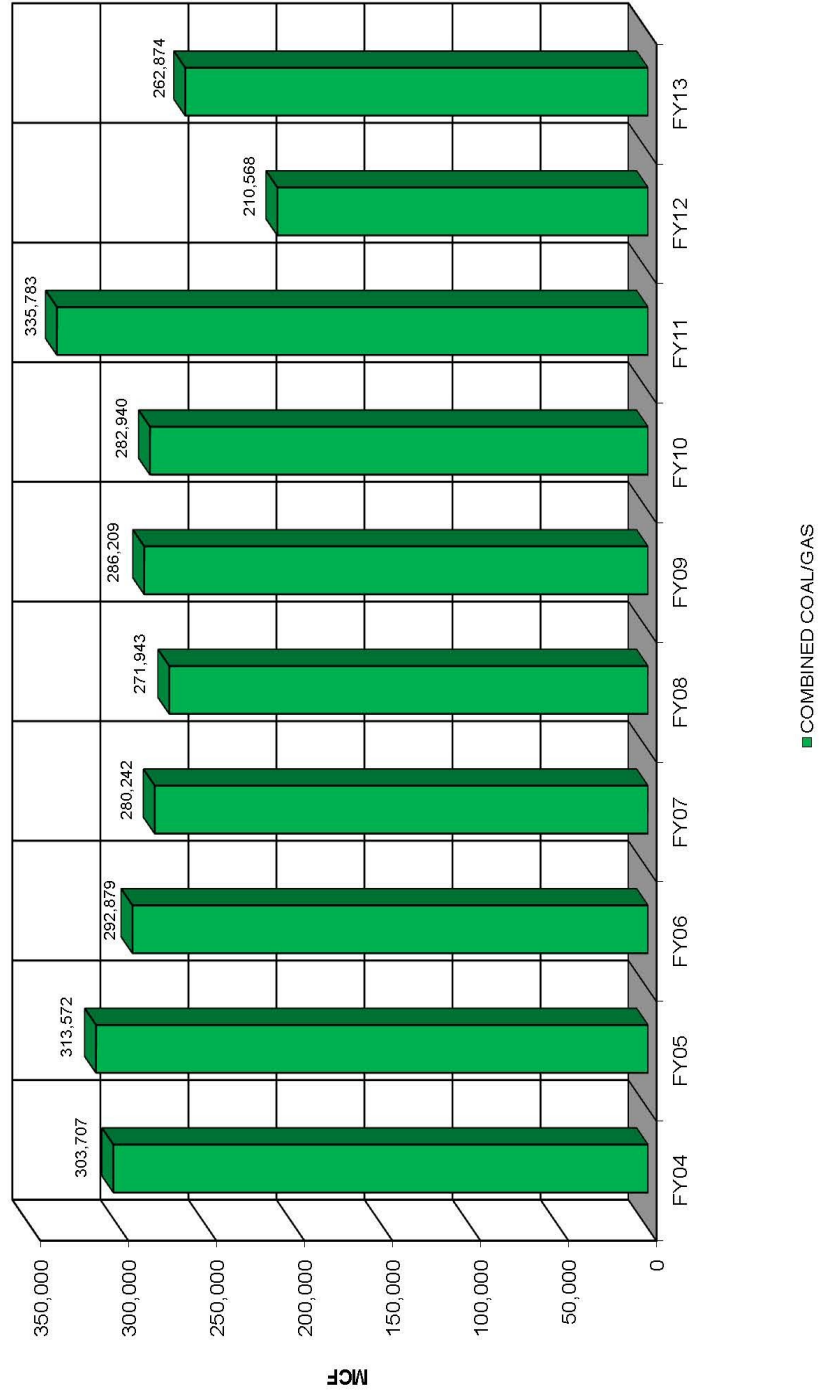
MAIN CAMPUS YEARLY STEAM PLANT GAS



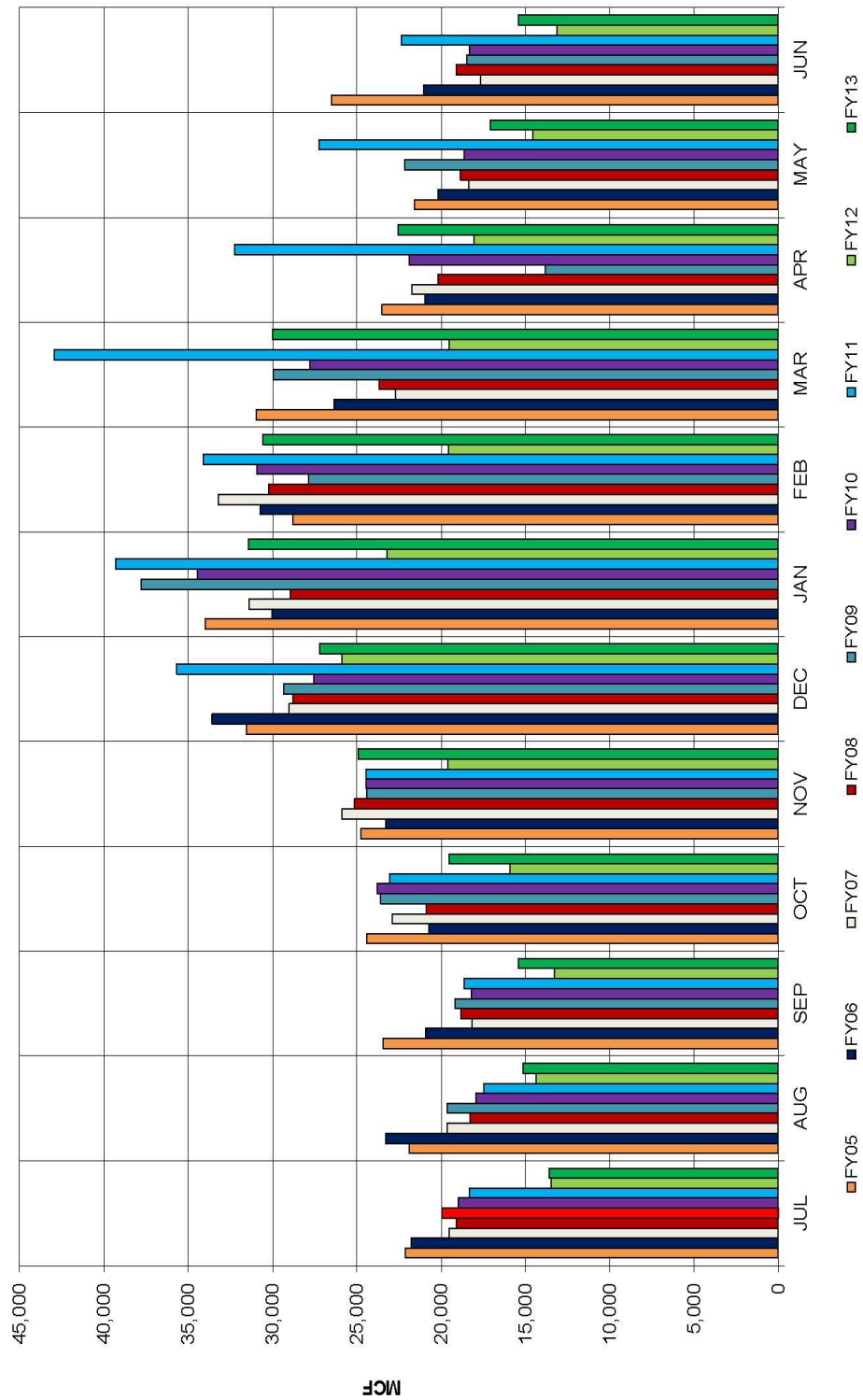
MAIN CAMPUS MONTHLY STEAM PLANT GAS



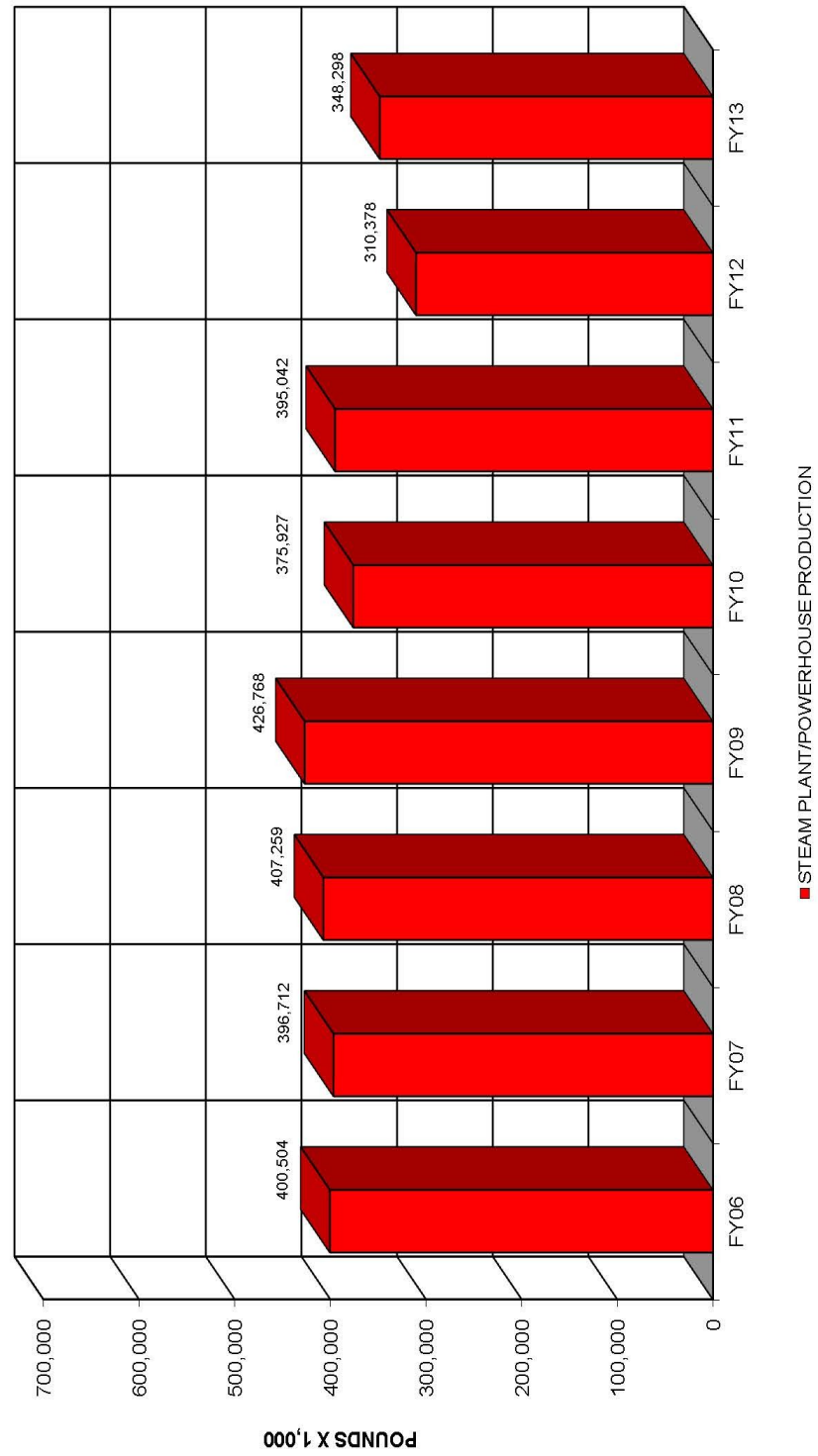
HEALTH SCIENCE CAMPUS YEARLY POWERHOUSE COAL/GAS



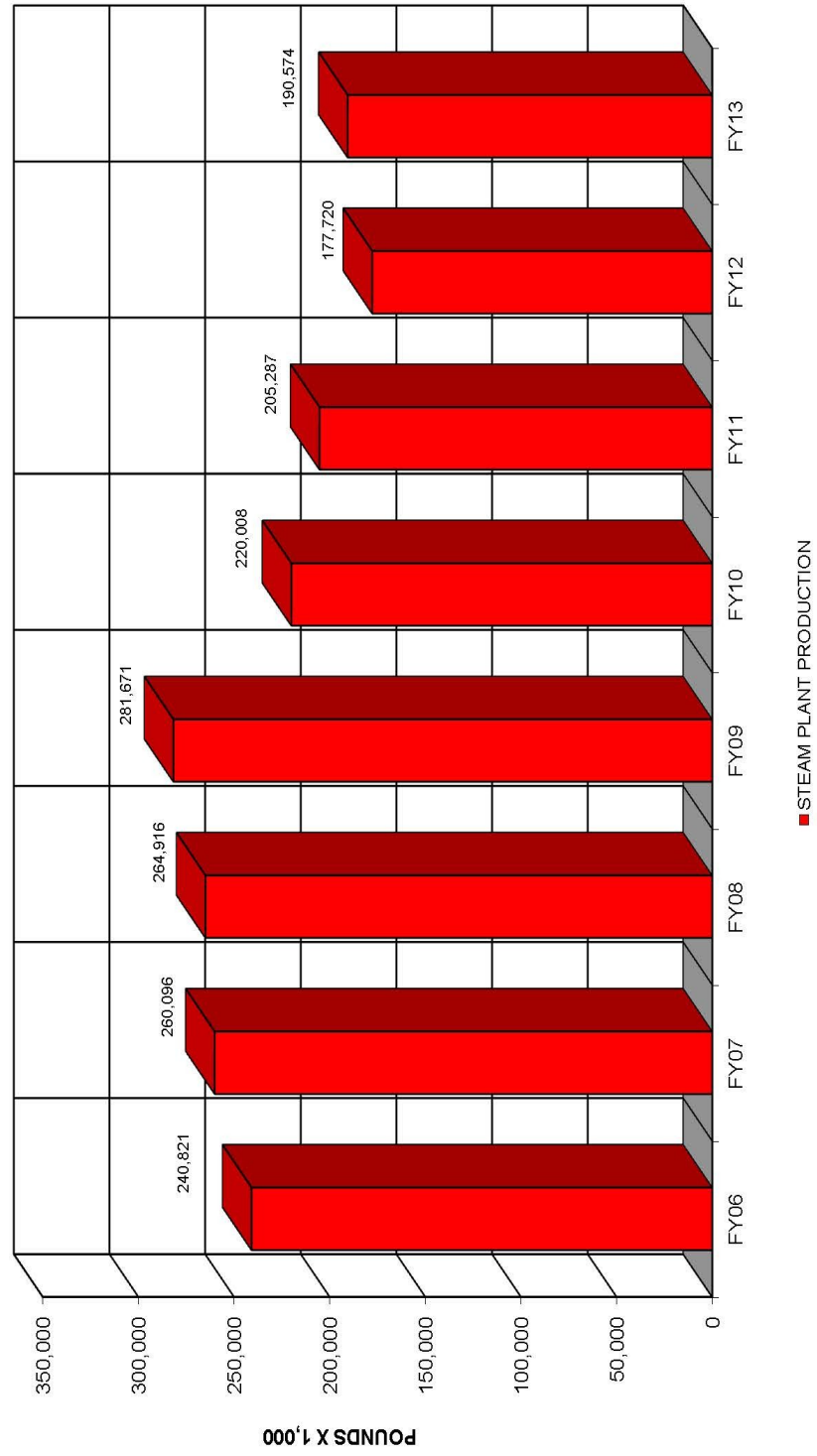
HEALTH SCIENCE CAMPUS MONTHLY POWERHOUSE COAL/GAS



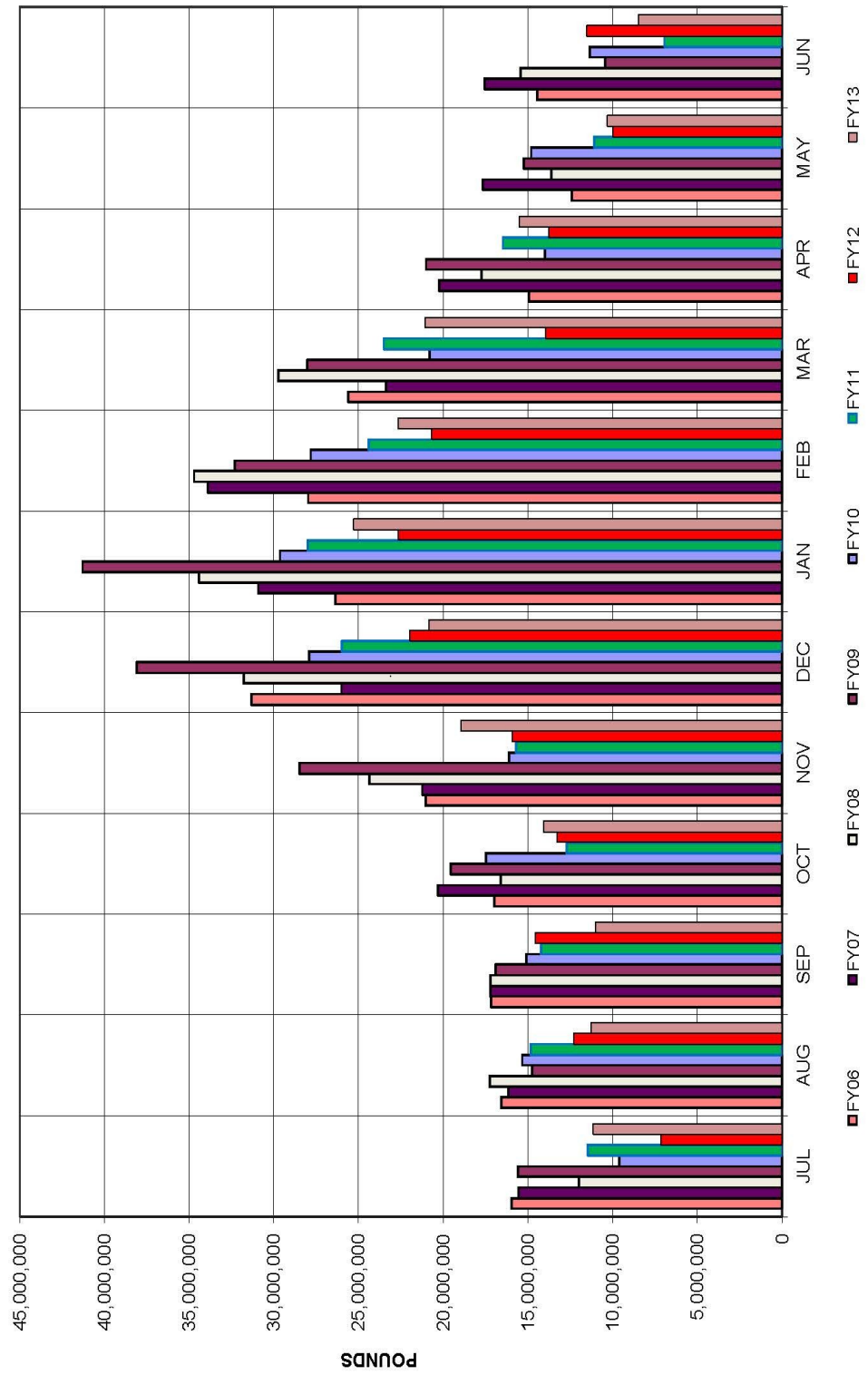
UT ALL CAMPUSES YEARLY STEAM PRODUCTION



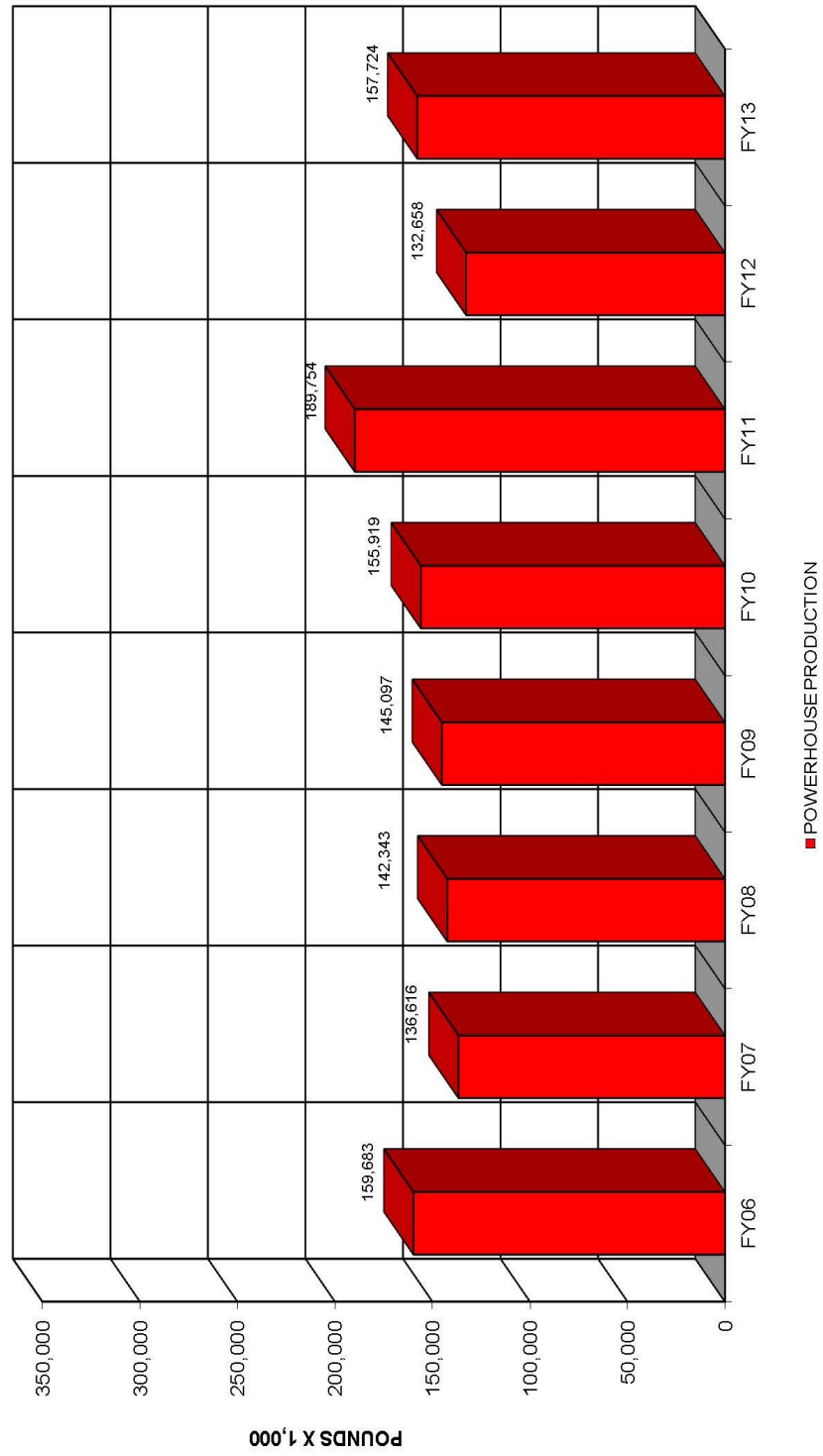
MAIN CAMPUS YEARLY STEAM PRODUCTION



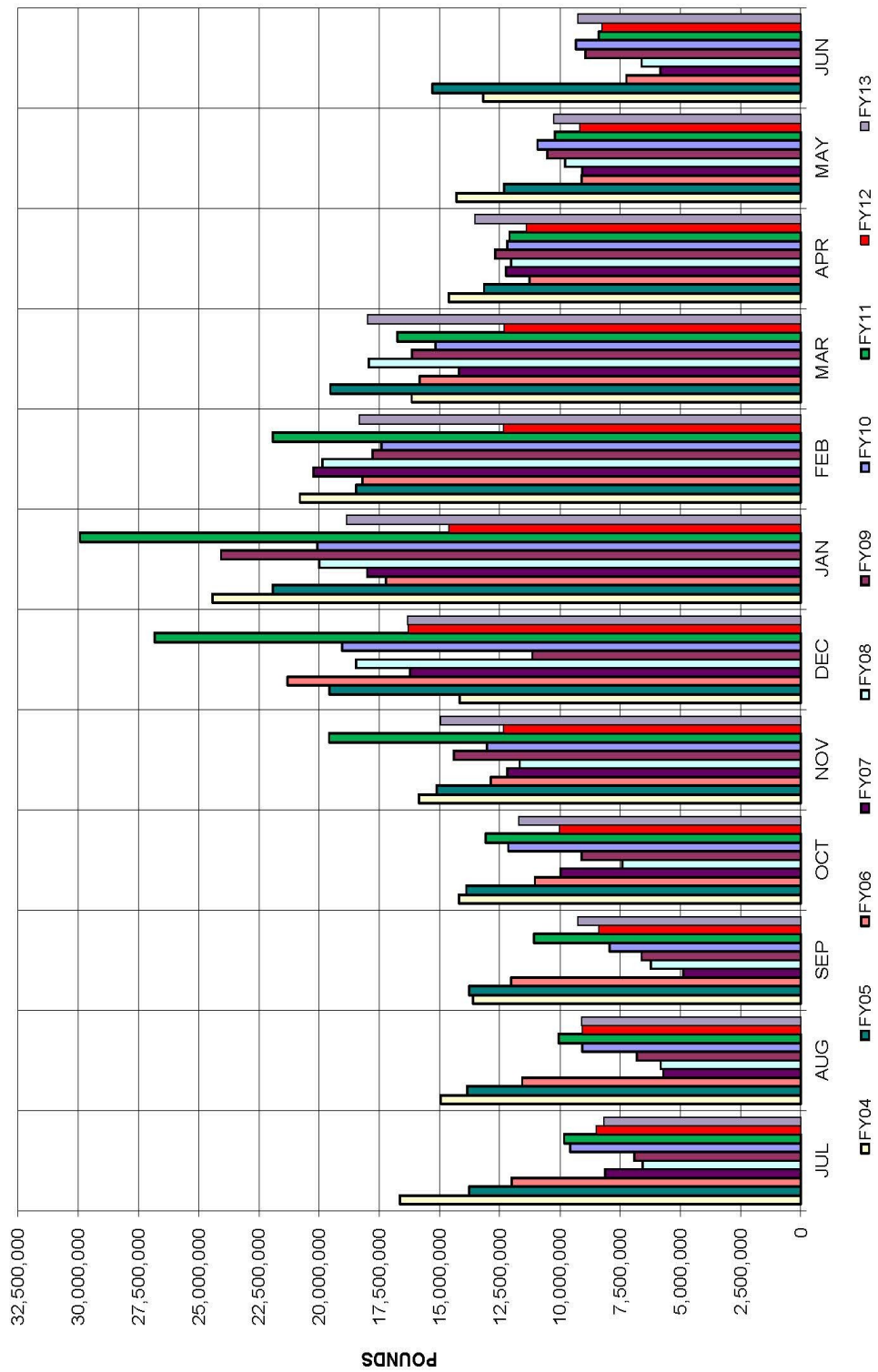
MAIN CAMPUS MONTHLY STEAM PRODUCTION



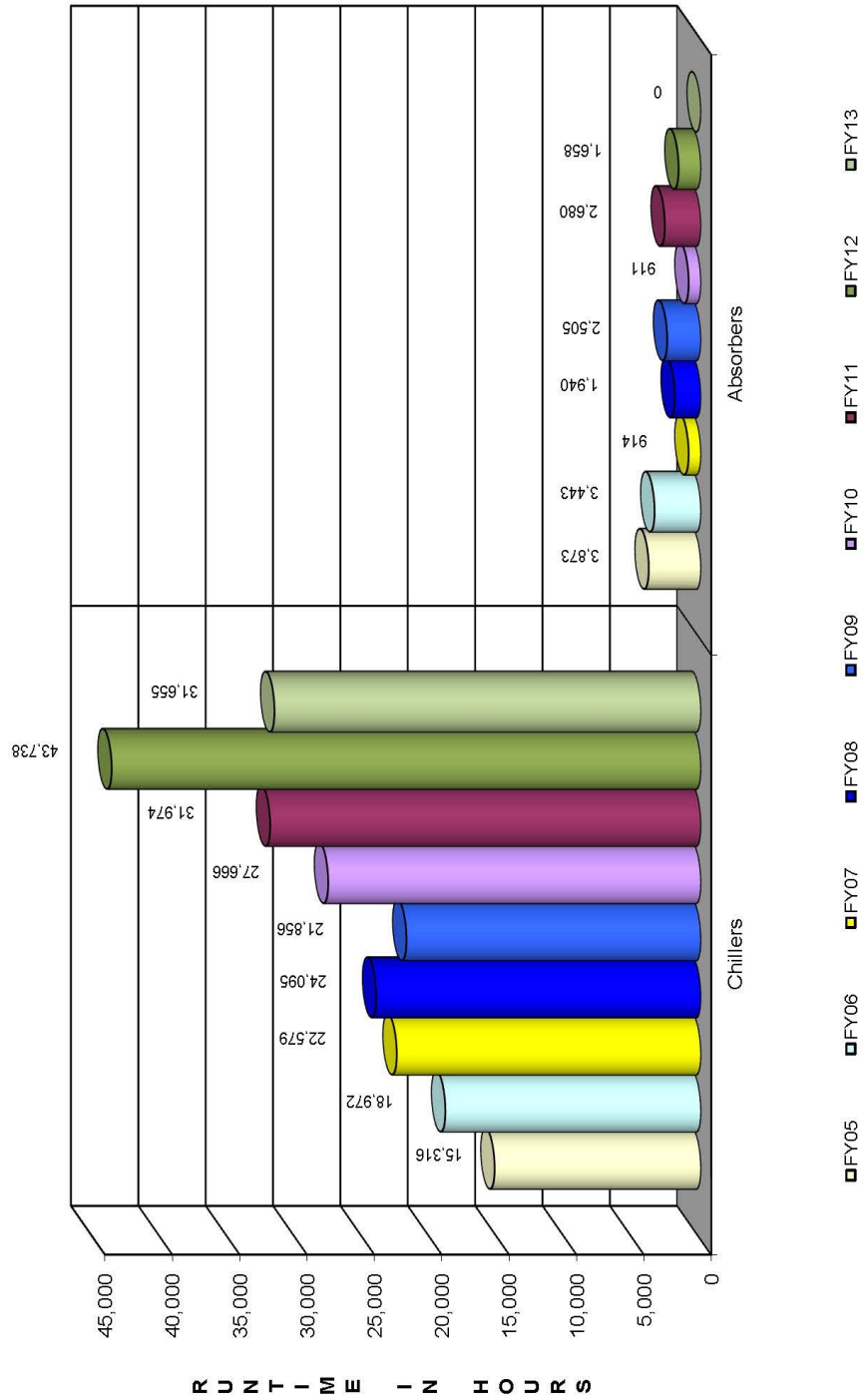
HEALTH SCIENCE CAMPUS YEARLY STEAM PRODUCTION



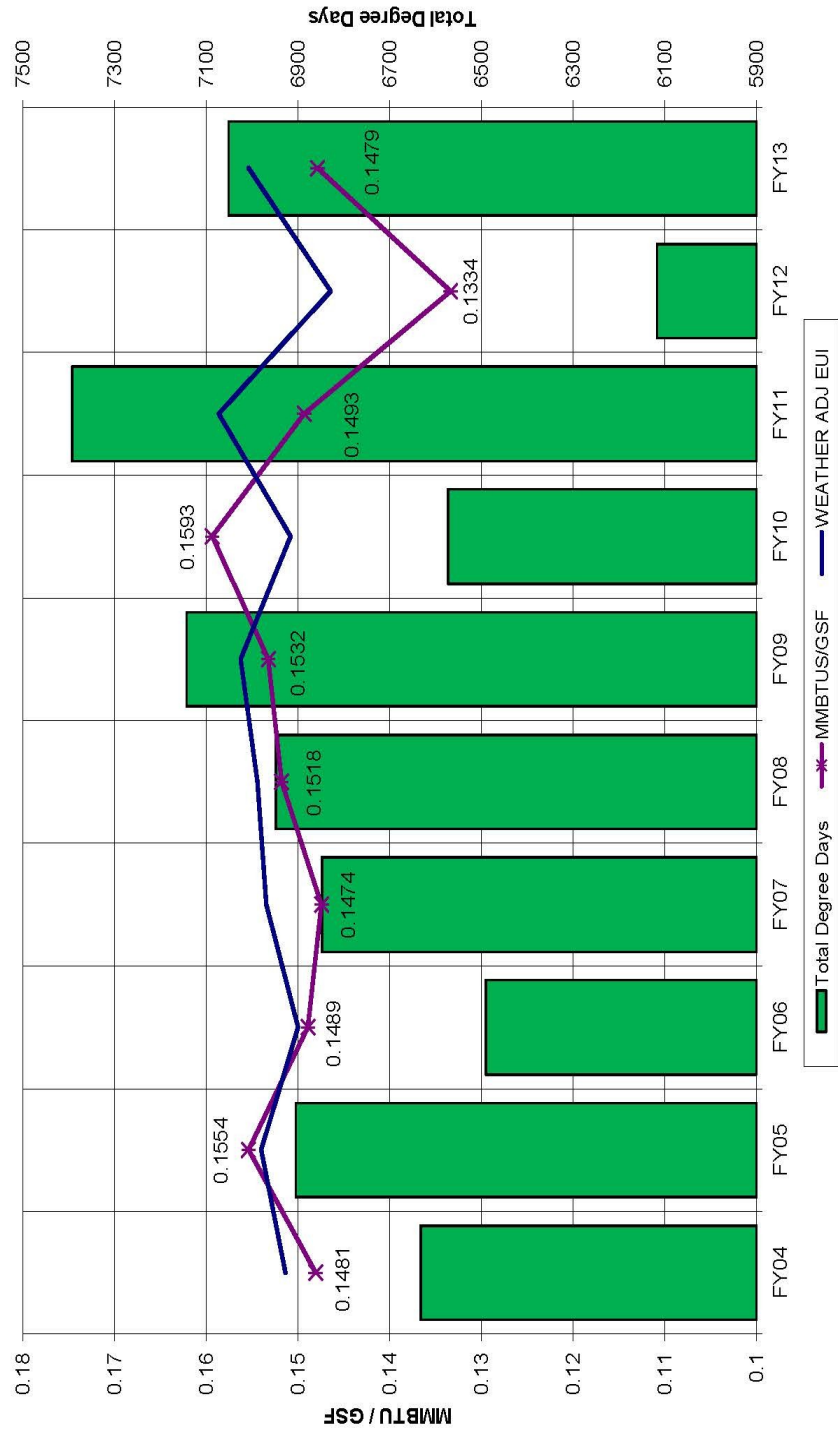
HEALTH SCIENCE CAMPUS MONTHLY STEAM PRODUCTION



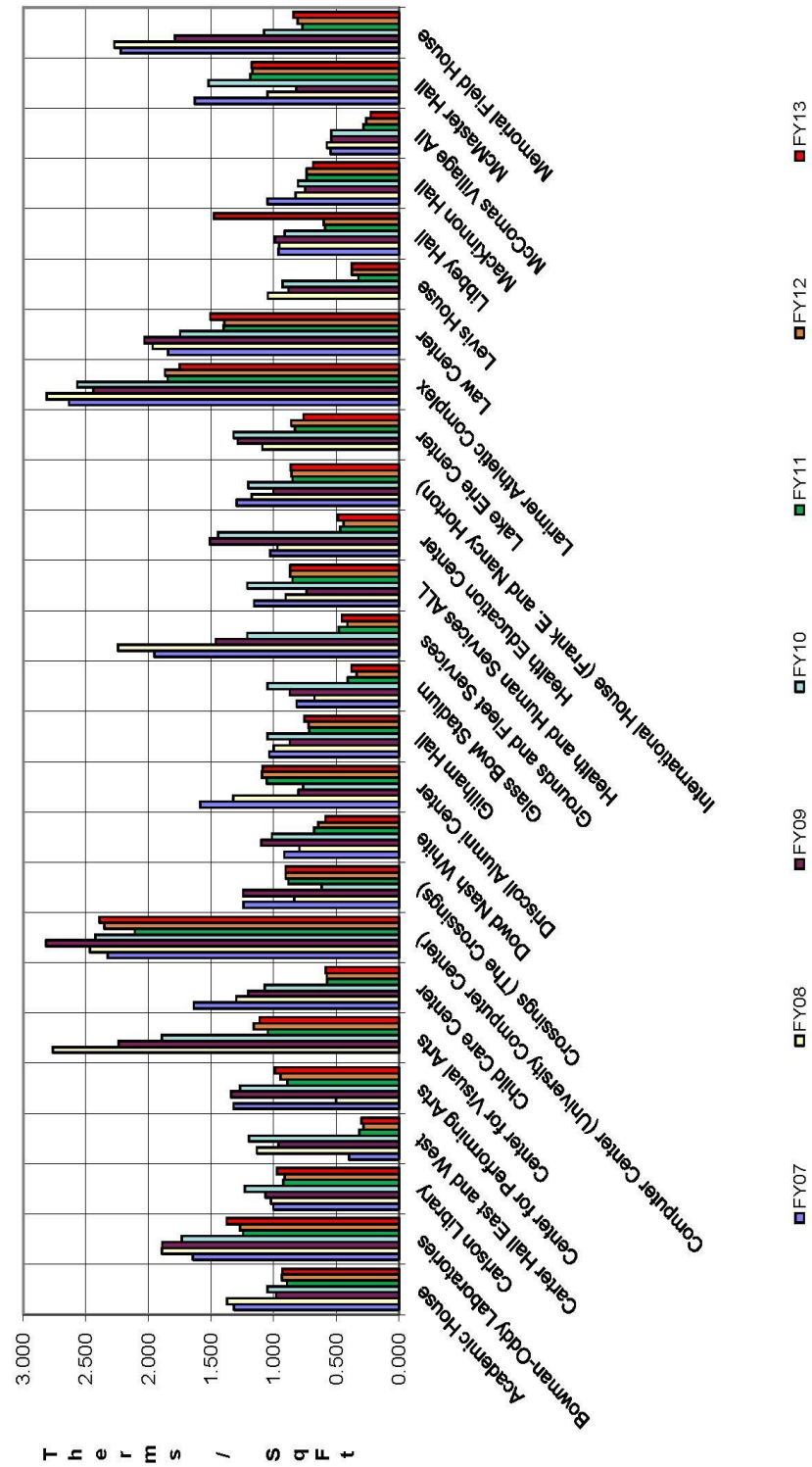
HEALTH SCIENCE CAMPUS MECHANICAL COOLING



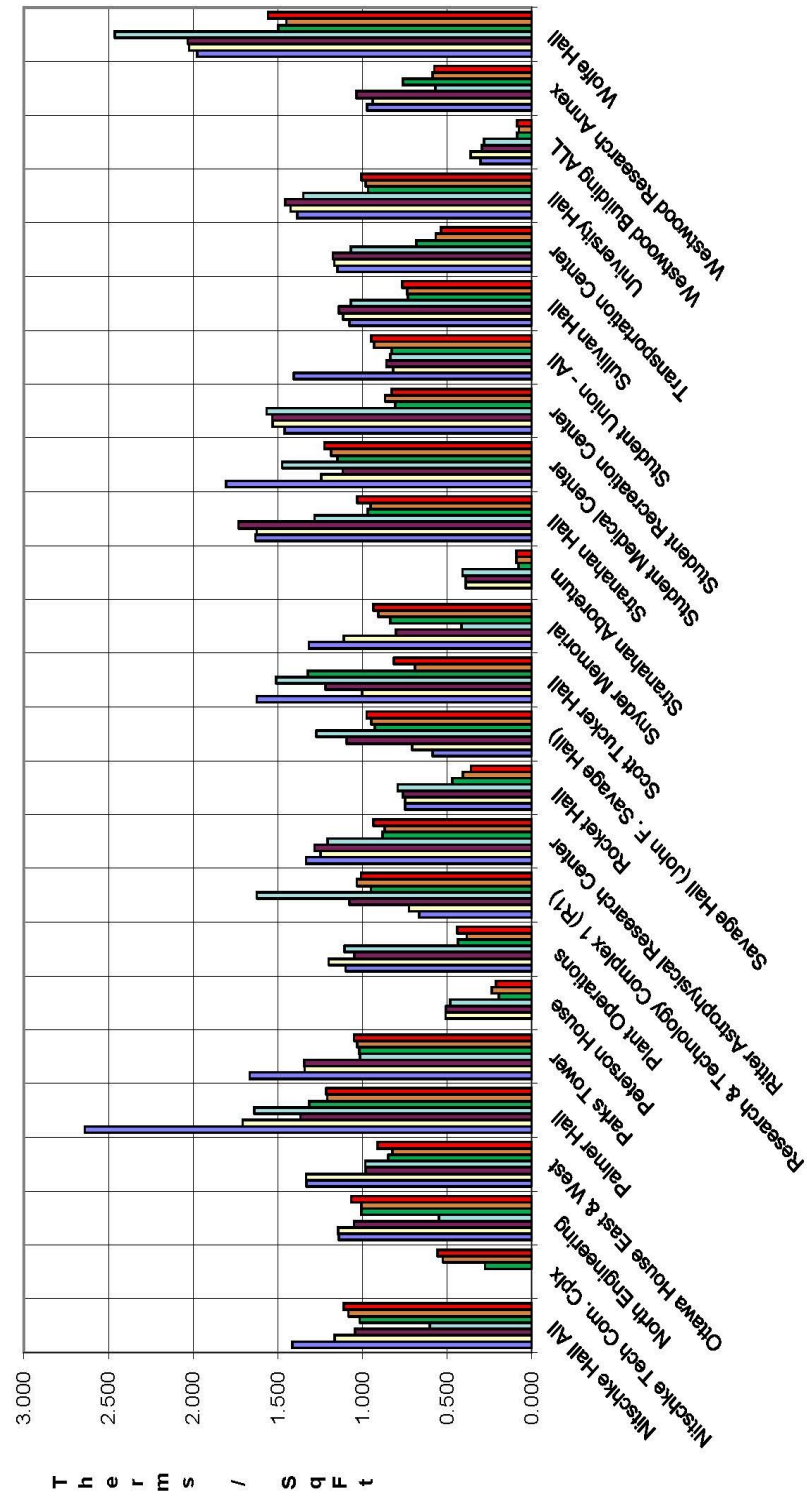
UT CAMPUS WEATHER ADJUSTED ENERGY UTILIZATION INDEX



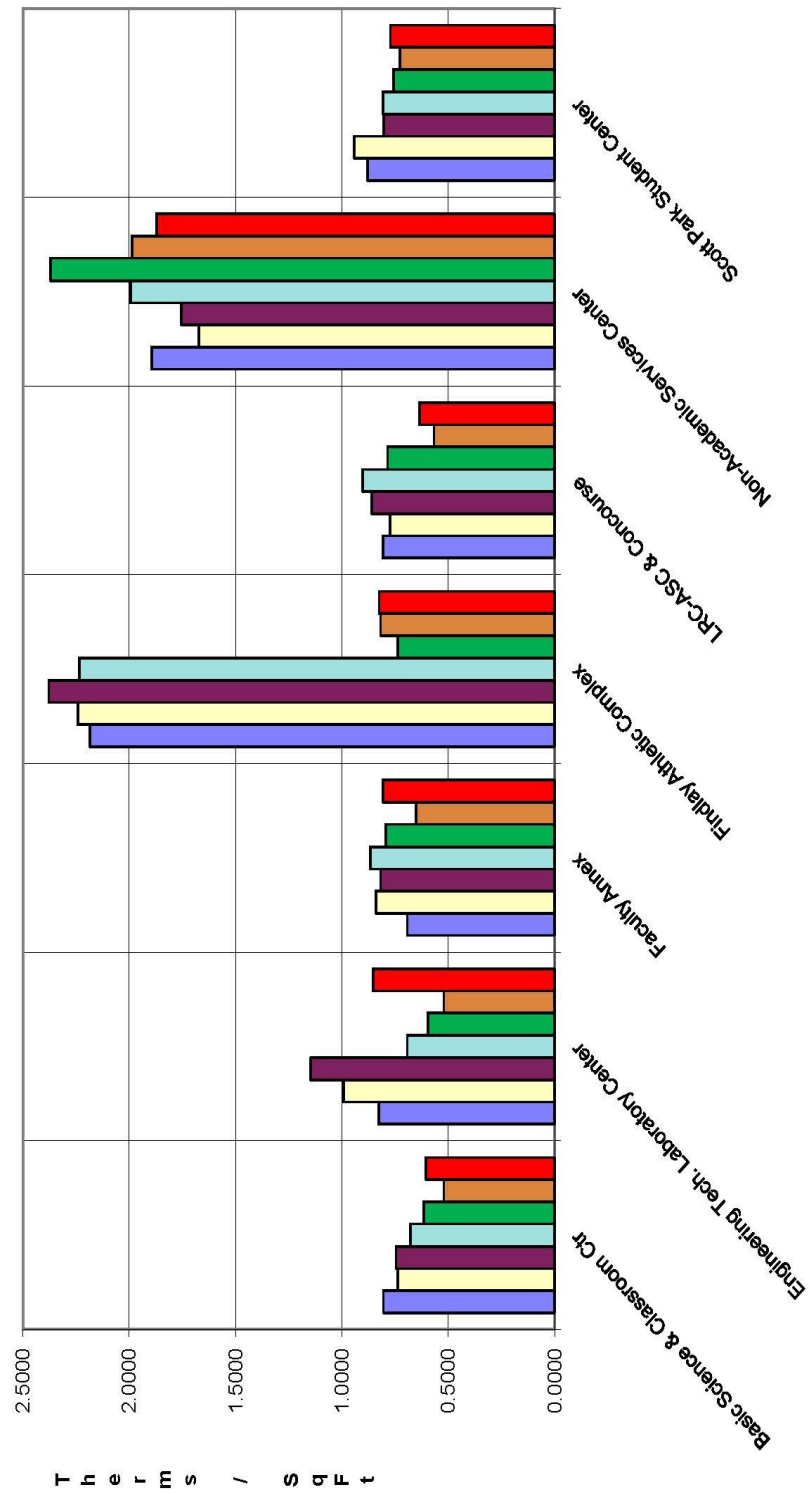
MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX



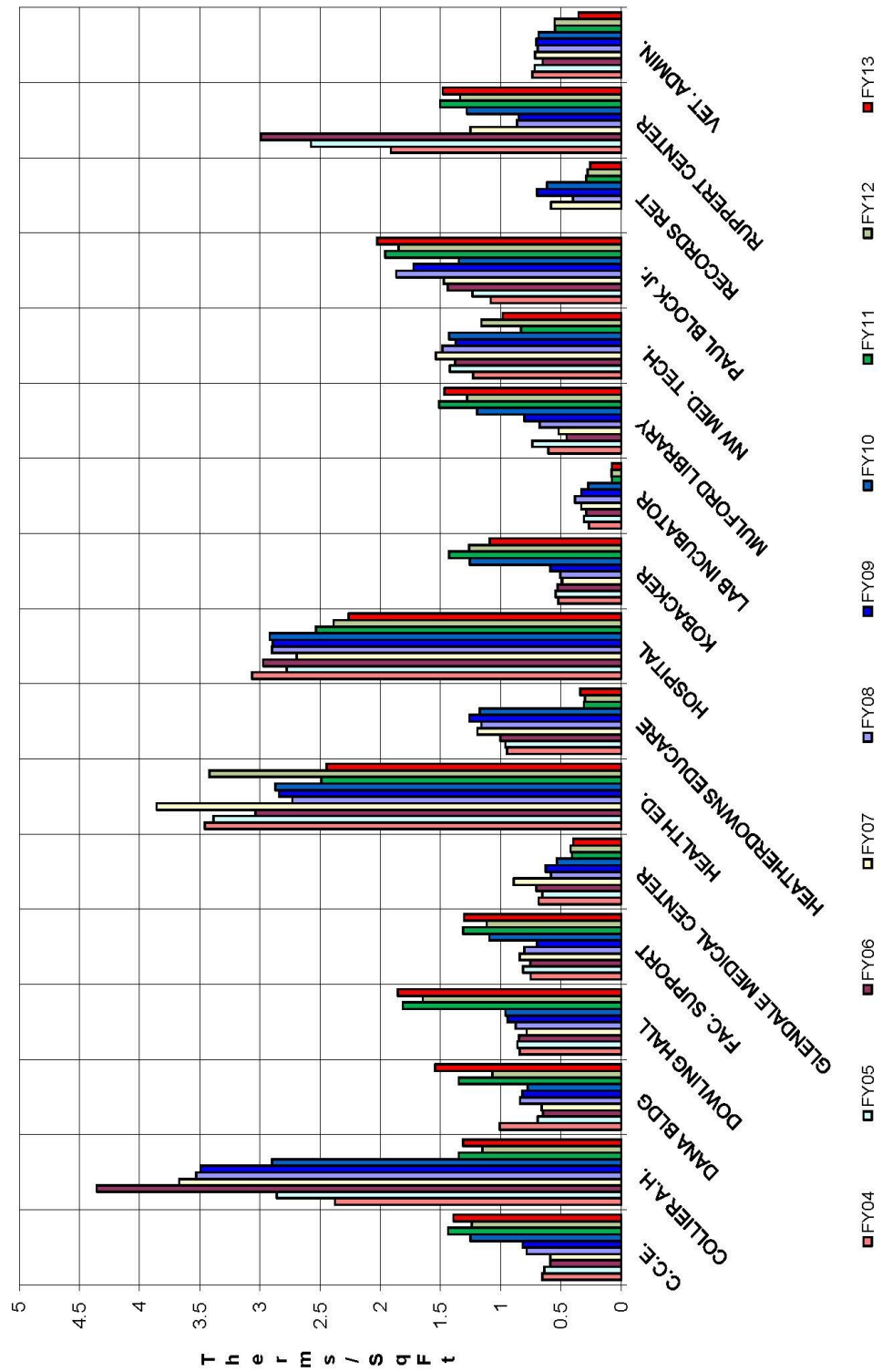
MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX



SCOTT PARK CAMPUS BUILDING ENERGY UTILIZATION INDEX



HEALTH SCIENCE CAMPUS BUILDING ENERGY UTILIZATION INDEX



**UNIVERSITY OF TOLEDO
BUILDING UTILITY USAGE FISCAL YEAR 2013**

Main Campus	GSF	Electric kWh	Steam Mlbs	Natural Gas MCF	EUI
Academic House	80,603	868,442	4,532	545	0.9300
Bowman-Oddy Laboratories	178,727	4,246,831	10,049	116	1.3739
Carlson Library	256,547	3,100,780	14,425	-	0.9748
Carter Hall East and West	124,889	843,107	-	8,518	0.3003
Center for Performing Arts	64,983	815,062	3,654	-	0.9903
Center for Visual Arts	51,899	1,447,734	-	8,228	1.1146
Child Care Center	15,941	226,442	-	1,512	0.5820
Computer Center (University)	32,872	2,268,915	-	1,070	2.3891
Crossings (The)	228,990	2,299,311	12,875	315	0.9064
Dowd Nash White	80,030	61,874	4,500	-	0.5887
Driscoll Alumni Center	38,675	594,504	2,175	-	1.0869
Gillham Hall	92,347	519,018	5,192	-	0.7541
Glass Bowl Stadium	103,578	1,063,562	-	2,811	0.3783
Grounds and Fleet Services	13,009	143,486	-	1,000	0.4553
Health and Human Services	163,006	1,466,253	9,165	-	0.8693
Health Education Center	79,016	863,949	-	8,559	0.4842
International House (Horton)	138,904	1,214,427	7,810	465	0.8641
Lake Erie Center	34,054	628,100	-	4,423	0.7626
Larimer Athletic Complex	32,139	1,568,531	-	2,699	1.7518
Law Center	125,392	3,474,552	7,050	16	1.5081
Levis House	6,457	59,172	-	393	0.3752
Libbey Hall	16,767	441,979	943	236	1.4764
MackKinnon Hall	41,787	149,261	2,350	-	0.6842
McComas Village	124,533	641,910	-	6,025	0.2255
McMaster Hall	67,194	1,205,616	3,778	-	1.1746
Memorial Field House	156,074	1,290,747	8,775	-	0.8445
Nitschke Hall	132,159	2,124,131	-	7,431	1.1108
Nitschke Tech Commercialization Cplx	39,961	637,463	-	393	0.5545
North Engineering	252,894	3,734,528	-	14,219	1.0663
Ottawa House East & West	271,293	2,554,549	15,254	7,348	0.9114
Palmer Hall	67,040	1,280,696	3,769	-	1.2143
Parks Tower	166,213	2,288,240	9,346	2,819	1.0495
Peterson House	4,316	19,820	-	234	0.2122
Plant Operations	30,861	326,853	-	2,373	0.4403
Research & Technology Complex 1 (R1)	55,209	1,491,346	-	4,691	1.0090
Ritter Astrophysical Research Center	15,317	167,744	861	-	0.9360
Rocket Hall	109,552	1,048,754	-	3,304	0.3576
Savage Hall (John F.)	199,380	2,414,728	11,210	-	0.9756
Scott Tucker Hall	42,710	316,218	2,401	-	0.8150
Sculptural Studies	7,502	90,300	-	2,689	0.7782
Snyder Memorial	47,947	522,917	2,696	-	0.9345
Stranahan Arboretum	7,386	5,927	-	446	0.0892
Stranahan Hall	121,135	1,663,944	6,811	-	1.0311
Student Medical Center	12,574	244,101	707	-	1.2248
Student Recreation Center	157,446	3,400,895	-	13,932	0.8279
Student Union	221,225	2,442,393	12,439	1,747	0.9472
Sullivan Hall	13,401	78,629	753	-	0.7625
Transportation Center	19,826	283,931	-	926	0.5367
University Hall	292,633	3,788,991	16,454	611	1.0063
Westwood Building	271,332	478,520	-	7,102	0.0870
Westwood Research Annex	40,922	227,768	-	1,535	0.5744
Wolfe Hall	188,501	5,487,084	10,599	18	1.5559
SUB TOTALS	5,137,148	68,624,030	190,574	118,749	

**UNIVERSITY OF TOLEDO
BUILDING UTILITY USAGE FISCAL YEAR 2013**

	GSF	Electric kWh	Steam Mlbs	Natural Gas MCF	EUI
Health Science Campus					
Center Creative Education	48,810	556,601	4,892	-	1.3915
Collier Allied Health	111,363	1,002,513	11,162	-	1.3095
Dana Center	43,975	698,889	4,408	-	1.5447
Dowling Hall	247,616	6,181,577	24,818	-	1.8543
Facility Support	26,932	237,934	2,699	-	1.3038
Glendale Medical Center	40,516	452,986	-	632	0.3976
Health Education	254,875	10,773,232	25,546	-	2.4449
Heatherdowns Educare Center	36,400	231,813	-	4,295	0.3383
Hospital	378,123	13,954,837	37,899	-	2.2619
Kobacker	41,140	107,542	4,123	-	1.0915
Lab Incubator	20,533	38,756	-	223	0.0756
Mulford Library Bldg	137,930	1,876,771	13,824	-	1.4667
Northwest Medical Tech Center	38,614	1,021,731	-	2,970	0.9819
Paul Block Jr. Health Science Bldg	168,764	5,056,609	16,915	-	2.0249
Records Retention	32,086	212,263	-	1,011	0.2581
Ruppert Center	114,126	1,597,169	11,439	-	1.4799
Veterans Administration	40,447	384,257	-	1,153	0.3535
SUB TOTALS	1,782,250	44,385,480	157,724	10,284	
Scott Park Campus					
Basic Science/Allied Health/Classrm Ctr	77,096	1,366,181	-	-	0.6048
Engineering Technology Laboratory Ctr	24,812	620,481	-	-	0.8535
Faculty Annex	8,895	210,315	-	-	0.8070
Findlay Athletic Complex	6,593	86,080	-	2,436	0.8243
Learning Resources/Academic Services	127,430	2,371,932	-	-	0.6353
Non-Academic Services Center	14,881	815,866	-	-	1.8712
Scott Park Student Center	30,601	692,217	-	-	0.7720
SUB TOTALS	290,308	6,163,071	-	2,436	
GRAND TOTALS	7,209,706	119,172,581	348,298	131,468	

UNIVERSITY OF TOLEDO
BUILDING UTILITY COST FISCAL YEAR 2013

Main Campus	Electric Cost	Steam Cost	Natural Gas Cost	Total Cost	EUI
Academic House	\$43,973	\$56,692	\$2,110	\$102,776	0.9300
Bowman-Oddy Laboratories	\$215,363	\$125,707	\$410	\$341,481	1.3739
Carlson Library	\$156,315	\$180,442	-	\$336,757	0.9748
Carter Hall East and West	\$41,920	-	\$30,091	\$72,011	0.3003
Center for Performing Arts	\$40,956	\$45,706	-	\$86,661	0.9903
Center for Visual Arts	\$74,154	-	\$35,564	\$109,717	1.1146
Child Care Center	\$11,604	-	\$6,811	\$18,416	0.5820
Computer Center (University)	\$114,268	-	\$3,830	\$118,099	2.3891
Crossings (The)	\$115,934	\$161,060	\$1,194	\$278,188	0.9064
Dowd Nash White	\$3,134	\$56,289	-	\$59,423	0.5887
Driscoll Alumni Center	\$29,897	\$27,202	-	\$57,099	1.0869
Gillham Hall	\$26,074	\$64,952	-	\$91,026	0.7541
Glass Bowl Stadium	\$53,493	\$9,846	-	\$63,339	0.3783
Grounds and Fleet Services	\$7,208	-	\$5,087	\$12,295	0.4553
Health and Human Services	\$74,017	\$114,650	-	\$188,668	0.8693
Health Education Center	\$44,230	-	\$32,204	\$76,434	0.4842
International House (Horton)	\$61,479	\$97,698	\$1,992	\$161,169	0.8641
Lake Erie Center	\$31,813	-	\$21,125	\$52,938	0.7626
Larimer Athletic Complex	\$80,446	-	\$10,289	\$90,735	1.7518
Law Center	\$174,358	\$88,194	\$327	\$262,879	1.5081
Levis House	\$5,643	-	\$1,781	\$7,424	0.3752
Libbey Hall	\$20,560	\$11,793	\$1,235	\$33,588	1.4764
MacKinnon Hall	\$7,541	\$29,391	-	\$36,932	0.6842
McComas Village	\$32,768	-	\$24,205	\$56,973	0.2255
McMaster Hall	\$60,584	\$47,261	-	\$107,845	1.1746
Memorial Field House	\$65,287	\$109,775	-	\$175,061	0.8445
Nitschke Hall	\$109,223	-	\$92,954	\$202,177	1.1108
Nitschke Tech Commercialization Cplx	\$30,901	-	\$1,781	\$32,682	0.5545
North Engineering	\$189,449	-	\$177,873	\$367,322	1.0663
Ottawa House East & West	\$128,839	\$190,814	\$30,072	\$349,725	0.9114
Palmer Hall	\$65,552	\$47,153	\$14,623	\$127,327	1.2143
Parks Tower	\$115,352	\$116,906	\$11,068	\$243,326	1.0495
Peterson House	\$1,757	-	\$1,086	\$2,843	0.2122
Plant Operations	\$16,386	-	\$12,068	\$28,454	0.4403
Research & Technology Complex 1 (R1)	\$75,984	-	\$18,588	\$94,572	1.0090
Ritter Astrophysical Research Center	\$8,555	\$10,773	-	\$19,329	0.9360
Rocket Hall	\$52,944	-	\$16,344	\$69,288	0.3576
Savage Hall (John F.)	\$121,327	\$140,234	-	\$261,560	0.9756
Scott Tucker Hall	\$15,336	\$30,040	-	\$45,376	0.8150
Sculptural Studies	\$13,640	-	\$13,215	\$26,855	0.7782
Snyder Memorial	\$26,401	\$33,723	-	\$60,124	0.9345
Stranahan Arboretum	\$14,960	-	\$1,816	\$16,776	0.0892
Stranahan Hall	\$84,055	\$85,200	-	\$169,256	1.0311
Student Medical Center	\$12,519	\$8,844	-	\$21,362	1.2248
Student Recreation Center	\$173,859	-	\$54,859	\$228,718	0.8279
Student Union	\$123,525	\$155,598	\$6,602	\$285,725	0.9472
Sullivan Hall	\$3,972	\$9,426	-	\$13,397	0.7625
Transportation Center	\$14,400	-	\$3,232	\$17,632	0.5367
University Hall	\$190,652	\$205,823	\$2,327	\$398,801	1.0063
Westwood Building	\$39,891	-	\$34,713	\$74,604	0.0870
Westwood Research Annex	\$11,722	-	\$5,460	\$17,181	0.5744
Wolfe Hall	\$279,581	\$132,582	\$338	\$412,501	1.5559
SUB TOTALS	\$3,513,799	\$2,393,774	\$677,273	\$6,584,846	

UNIVERSITY OF TOLEDO
BUILDING UTILITY COST FISCAL YEAR 2013

	Electric Cost	Steam Cost	Natural Gas Cost	Total Cost	EUI
Health Science Campus					
Center Creative Education	\$28,253	\$59,647	-	\$87,900	1.3915
Collier Allied Health	\$50,868	\$136,088	-	\$186,956	1.3095
Dana Center	\$34,329	\$53,738	-	\$88,067	1.5447
Dowling Hall	\$314,522	\$302,591	-	\$617,114	1.8543
Facility Support	\$12,041	\$32,911	-	\$44,953	1.3038
Glendale Medical Center	\$23,150	-	\$3,584	\$26,734	0.3976
Health Education	\$551,739	\$311,462	-	\$863,201	2.4449
Heatherdowns Educare Center	\$23,465	-	\$20,420	\$43,885	0.3383
Hospital	\$712,045	\$462,073	-	\$1,174,118	2.2619
Kobacker	\$5,463	\$50,274	-	\$55,737	1.0915
Lab Incubator	\$1,995	-	\$1,494	\$3,490	0.0756
Mulford Library Bldg	\$95,491	\$168,553	-	\$264,044	1.4667
Northwest Medical Tech Center	\$52,303	-	\$17,432	\$69,735	0.9819
Paul Block Jr. Health Science Bldg	\$257,231	\$206,233	-	\$463,464	2.0249
Records Retention	\$10,795	-	\$4,457	\$15,253	0.2581
Ruppert Center	\$81,369	\$139,464	-	\$220,833	1.4799
Veterans Administration	\$20,152	-	\$5,816	\$25,968	0.3535
SUB TOTALS	\$2,275,213	\$1,923,035	\$53,203	\$4,251,451	
Scott Park Campus					
Basic Science/Allied Health/Classrm Ctr	\$119,938	-	-	\$119,938	0.6048
Engineering Technology Laboratory Ctr	\$52,940	-	-	\$52,940	0.8535
Faculty Annex	\$18,792	-	-	\$18,792	0.8070
Findlay Athletic Complex	\$7,908	-	\$10,472	\$18,380	0.8243
Learning Resources/Academic Services	\$204,210	-	-	\$204,210	0.6353
Non-Academic Services Center	\$78,066	-	-	\$78,066	1.8712
Scott Park Student Center	\$60,046	-	-	\$60,046	0.7720
SUB TOTALS	\$541,900		\$10,472	\$552,372	
GRAND TOTALS	\$6,330,912	\$4,316,809	\$740,948	\$11,388,669	

BUILDING: Academic House
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	65,989	164	\$0.052	\$3,443	0	0.00	\$12.51	\$0	1	\$3.87	5	\$3,448
August	3	184	100%	72,864	390	\$0.062	\$4,511	2	0.01	\$12.51	\$28	1	\$3.87	6	\$4,544
September	145	67	100%	81,902	386	\$0.056	\$4,553	107	0.51	\$12.51	\$1,340	1	\$3.87	5	\$5,898
October	414	6	100%	91,774	219	\$0.055	\$5,093	306	0.73	\$12.51	\$3,826	144	\$3.87	609	\$9,528
November	775	0	100%	82,287	106	\$0.051	\$4,166	573	0.74	\$12.51	\$7,162	148	\$3.87	625	\$11,953
December	914	0	100%	75,144	82	\$0.051	\$3,816	675	0.74	\$12.51	\$8,446	137	\$3.87	443	\$12,705
1st half yr	2251	660		469,960	161	\$0.054	\$25,582	1,663	0.57	\$12.51	\$20,801	432	\$3.92	\$1,693	\$48,076
January	1141	0	100%	70,273	62	\$0.044	\$3,086	843	0.74	\$12.51	\$10,544	75	\$3.87	286	\$13,916
February	1034	0	100%	71,996	70	\$0.045	\$3,209	764	0.74	\$12.51	\$9,555	6	\$3.87	22	\$12,786
March	971	0	100%	73,029	75	\$0.043	\$3,172	717	0.74	\$12.51	\$8,973	12	\$3.87	40	\$12,184
April	550	0	100%	75,026	136	\$0.048	\$3,636	406	0.74	\$12.51	\$5,082	6	\$3.87	21	\$8,740
May	157	94	100%	51,705	206	\$0.050	\$2,604	116	0.46	\$12.51	\$1,451	8	\$3.87	25	\$4,080
June	31	162	100%	56,453	293	\$0.048	\$2,684	23	0.12	\$12.51	\$286	6	\$3.87	22	\$2,993
2nd half yr	3884	256		398,482	96	\$0.046	\$18,391	2,869	0.69	\$12.51	\$35,891	113	\$3.69	\$417	\$54,699
TOTAL/YEAR	6135	916		868,442	123	\$0.051	\$43,973	4,532	0.64	\$12.51	\$56,692	545	\$3.87	\$2,110	\$102,776

Building Data:	1991	Energy Consumption to BTU Conversions	BTU's x 1,000	2,051,376
Gross Area (ft)2	80,603	Electricity = KWH X 3413	2,963,992	Energy Utilization Index =
Gross Volume (ft)3	644,824	Steam = M (lbs) X 1,000,000	4,532,024	Total BTU Consumption/Yr
General Notes:		Natural Gas = MCF X 102,500	55,863	Gross Area (ft)2
		Other Fuel	0	Divided by 100,000 =
		TOTAL BTU's x 1,000	7,496,016	0.9300
				THERMS

COST / SQ. FT. / YEAR \$1.28
 WATER / SQ. FT. / YEAR \$0.20

BUILDING: Bowman Oddy
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	392,300	973	\$0.052	\$20,487	0.00	\$12.51	\$0
August	3	184	100%	449,160	2,402	\$0.062	\$27,808	0.03	\$12.51	\$61
September	145	67	100%	342,370	1,615	\$0.056	\$19,033	1.12	\$12.51	\$2,971
October	414	6	100%	334,890	797	\$0.055	\$18,574	1.61	\$12.51	\$8,483
November	775	0	100%	339,150	438	\$0.051	\$17,169	1.64	\$12.51	\$15,880
December	914	0	100%	356,050	390	\$0.051	\$18,083	1.64	\$12.51	\$18,728
1st half yr	2251	660		2,213,720	760	\$0.055	\$121,133	1.27	\$12.51	\$46,123
January	1141	0	100%	328,240	288	\$0.044	\$14,413	1.64	\$12.51	\$23,379
February	1034	0	100%	330,920	320	\$0.045	\$14,751	1.64	\$12.51	\$21,187
March	971	0	100%	374,850	386	\$0.043	\$16,281	1.64	\$12.51	\$19,896
April	550	0	100%	347,197	631	\$0.048	\$16,828	1.64	\$12.51	\$11,270
May	157	94	100%	341,584	1,361	\$0.050	\$17,203	1.02	\$12.51	\$3,217
June	31	162	100%	310,320	1,608	\$0.048	\$14,753	0.26	\$12.51	\$635
2nd half yr	3884	256		2,033,111	491	\$0.046	\$84,230	1.54	\$12.51	\$79,584
TOTAL/YEAR	6135	916		4,246,831	602	\$0.051	\$215,363	1.43	\$12.51	\$125,707

Building Data:	1966	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	178,727	Electricity = KWH X 3413	14,494,434
Gross Volume (ft)3	1,429,816	Steam = M (lbs) X 1,000,000	10,049,193
General Notes:		Natural Gas = MCF X 102,500	11,890
		Other Fuel	0
		TOTAL BTU's x 1,000	24,555,517

COST / SQ. FT. / YEAR	\$1.91
WATER / SQ. FT. / YEAR	\$0.45

Energy Utilization Index =	
Total BTU Consumption/Yr	24,555,516,580
Gross Area (ft)2	178,727
Divided by 100,000 =	1.3739
THERMS	

BUILDING: Carlson Library
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	307,086	762	\$0.052	\$16,021	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$16,021
August	3	184	100%	163,064	872	\$0.062	\$10,095	7	0.04	\$12.51	\$88	0	\$4.50	\$0	\$10,184
September	145	67	100%	323,724	1,527	\$0.056	\$17,986	341	1.61	\$12.51	\$4,265	0	\$4.50	\$0	\$22,261
October	414	6	100%	352,800	840	\$0.055	\$19,579	973	2.32	\$12.51	\$12,177	0	\$4.50	\$0	\$31,756
November	775	0	100%	275,900	356	\$0.051	\$13,967	1,822	2.35	\$12.51	\$22,784	0	\$4.50	\$0	\$36,761
December	914	0	100%	171,832	188	\$0.051	\$8,727	2,149	2.35	\$12.51	\$26,882	0	\$4.50	\$0	\$35,609
1st half yr	2251	660		1,594,406	548	\$0.054	\$86,386	5,293	1.82	\$12.51	\$66,206	0	\$4.50	\$0	\$152,592
January	1141	0	100%	198,534	174	\$0.044	\$8,718	2,683	2.35	\$12.51	\$33,559	0	\$4.50	\$0	\$42,277
February	1034	0	100%	239,888	232	\$0.045	\$10,693	2,431	2.35	\$12.51	\$30,412	0	\$4.50	\$0	\$41,105
March	971	0	100%	293,242	302	\$0.043	\$12,736	2,283	2.35	\$12.51	\$28,559	0	\$4.50	\$0	\$41,295
April	550	0	100%	308,000	560	\$0.048	\$14,928	1,293	2.35	\$12.51	\$16,177	0	\$4.50	\$0	\$31,105
May	157	94	100%	235,689	939	\$0.050	\$11,870	369	1.47	\$12.51	\$4,618	0	\$4.50	\$0	\$16,488
June	31	162	100%	231,021	1,197	\$0.048	\$10,983	73	0.38	\$12.51	\$912	0	\$4.50	\$0	\$11,895
2nd half yr	3884	256		1,506,374	364	\$0.046	\$69,929	9,132	2.21	\$12.51	\$114,236	0	\$4.50	\$0	\$184,165
TOTAL/YEAR	6135	916		3,100,780	440	\$0.050	\$156,315	14,425	2.05	\$12.51	\$180,442	0	\$4.50	\$0	\$336,757

Building Data:	1973	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	256,547	Electricity = KWH X 3413	10,582,962
Gross Volume (ft)3	2,052,376	Steam = M (lbs) X 1,000,000	14,424,739
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	25,007,701

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{25,007,700.676}{256,547}$$

Divided by 100,000 = 0.9748 THERMS

COST / SQ. FT. / YEAR \$1.31

WATER / SQ. FT. / YEAR \$0.08

BUILDING: Carter Hall East and West
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	0	0	\$0.052	\$0	43	0.11	\$4.88	210	0	\$4.50	\$0	\$210
August	3	184	100%	52,685	282	\$0.062	\$3,262	24	0.13	\$5.58	134	0	\$4.50	\$0	\$3,396
September	145	67	100%	87,074	411	\$0.056	\$4,841	25	0.12	\$5.37	134	0	\$4.50	\$0	\$4,975
October	414	6	100%	88,544	211	\$0.055	\$4,914	120	0.29	\$4.23	508	0	\$4.50	\$0	\$5,421
November	775	0	100%	84,501	109	\$0.051	\$4,278	349	0.45	\$4.23	1,475	0	\$4.50	\$0	\$5,752
December	914	0	100%	80,006	88	\$0.051	\$4,063	1,120	1.23	\$3.23	3,621	0	\$4.50	\$0	\$7,684
1st half yr	2251	660		392,810	135	\$0.054	\$21,357	1,681	0.58	\$3.62	\$6,081	0	\$4.50	\$0	\$27,438
January	1141	0	100%	90,933	80	\$0.044	\$3,893	1,210	1.06	\$3.82	4,621	0	\$4.50	\$0	\$8,614
February	1034	0	100%	98,528	95	\$0.045	\$4,392	1,078	1.04	\$3.67	3,960	0	\$4.50	\$0	\$8,352
March	971	0	100%	100,698	104	\$0.043	\$4,374	1,516	1.56	\$3.30	5,004	0	\$4.50	\$0	\$9,378
April	550	0	100%	88,875	162	\$0.048	\$4,308	1,262	2.29	\$3.56	4,493	0	\$4.50	\$0	\$8,801
May	157	94	100%	38,554	154	\$0.050	\$1,942	1,204	4.80	\$3.17	3,819	0	\$4.50	\$0	\$5,761
June	31	162	100%	32,709	169	\$0.048	\$1,555	567	2.94	\$3.73	2,113	0	\$4.50	\$0	\$3,668
2nd half yr	3884	256		450,297	109	\$0.046	\$20,563	6,837	1.65	\$3.51	\$24,010	0	\$4.50	\$0	\$44,573
TOTAL/YEAR	6135	916		843,107	120	\$0.050	\$41,920	8,518	1.21	\$3.53	\$30,091	0	\$4.50	\$0	\$72,011

Building Data:	1964	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	124,889	Electricity = KWH X 3413	2,877,524
Gross Volume (ft)3	999,112	Natural Gas = MCF X 102,500	873,095
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,750,619

COST / SQ. FT. / YEAR	\$0.58
WATER / SQ. FT. / YEAR	\$0.27

Energy Utilization Index =

Total BTU Consumption/Yr
 Gross Area (ft)2

Divided by 100,000 =

THERMS

BUILDING: Center for Performing Arts
FY YEAR: 2013

DATE : 09/13/14

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	403	100%	57,099	142	\$0.052	\$2,979	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$2,979
August	3	184	100%	63,254	338	\$0.062	\$3,916	2	0.01	\$12.51	\$22	0	\$4.50	\$0	\$3,938
September	145	67	100%	67,941	320	\$0.056	\$3,777	86	0.41	\$12.51	\$1,080	0	\$4.50	\$0	\$4,857
October	414	6	100%	72,857	173	\$0.055	\$4,043	247	0.59	\$12.51	\$3,084	0	\$4.50	\$0	\$7,128
November	775	0	100%	72,806	94	\$0.051	\$3,686	462	0.60	\$12.51	\$5,774	0	\$4.50	\$0	\$9,459
December	914	0	100%	77,514	85	\$0.051	\$3,937	544	0.60	\$12.51	\$6,809	0	\$4.50	\$0	\$10,746
1st half yr	2251	660		411,470	141	\$0.054	\$22,338	1,341	0.46	\$12.51	\$16,770	0	\$4.50	\$0	\$38,108
January	1141	0	100%	71,119	62	\$0.044	\$3,123	680	0.60	\$12.51	\$8,500	0	\$4.50	\$0	\$11,623
February	1034	0	100%	74,121	72	\$0.045	\$3,304	616	0.60	\$12.51	\$7,703	0	\$4.50	\$0	\$11,007
March	971	0	100%	76,492	79	\$0.043	\$3,322	578	0.60	\$12.51	\$7,234	0	\$4.50	\$0	\$10,556
April	550	0	100%	66,361	121	\$0.048	\$3,216	328	0.60	\$12.51	\$4,097	0	\$4.50	\$0	\$7,314
May	157	94	100%	57,232	228	\$0.050	\$2,882	94	0.37	\$12.51	\$1,170	0	\$4.50	\$0	\$4,052
June	31	162	100%	58,267	302	\$0.048	\$2,770	18	0.10	\$12.51	\$231	0	\$4.50	\$0	\$3,001
2nd half yr	3884	256		403,592	97	\$0.046	\$18,618	2,313	0.56	\$12.51	\$28,936	0	\$4.50	\$0	\$47,554
TOTAL/YEAR	6135	916		815,062	116	\$0.050	\$40,956	3,654	0.52	\$12.51	\$45,706	0	\$4.50	\$0	\$86,661

Building Data:	1976	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	64,983	Electricity = KWH X 3413	2,781,807
Gross Volume (ft)3	519,864	Steam = M (lbs) X 1,000,000	3,653,766
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	6,435,573

Energy Utilization Index =

Total BTU Consumption/Yr
Gross Area (ft) 2

6,435,572.911
64,983

Divided by 100,000 =

0.9903

THERMS

COST / SQ. FT. / YEAR \$1.33

WATER / SQ. FT. / YEAR \$0.05

BUILDING: Center for Visual Arts
 FY YEAR: 2013
 DATE: 09/13/14

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		FUEL OIL	
														Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	165,138	410	\$0.052	\$8,615	334	0.83	\$5.41	1,806	0	\$4.50	\$0	\$10,422
August	3	184	100%	165,648	886	\$0.062	\$10,255	197	1.05	\$5.98	1,178	0	\$4.50	\$0	\$11,433
September	145	67	100%	142,569	672	\$0.056	\$7,926	165	0.78	\$6.11	1,008	0	\$4.50	\$0	\$8,934
October	414	6	100%	142,569	339	\$0.055	\$7,912	300	0.71	\$5.14	1,542	0	\$4.50	\$0	\$9,454
November	775	0	100%	109,650	141	\$0.051	\$5,551	547	0.71	\$4.87	2,663	0	\$4.50	\$0	\$8,214
December	914	0	100%	71,094	78	\$0.051	\$3,611	760	0.83	\$3.87	2,939	0	\$4.50	\$0	\$6,550
1st half yr	2251	660		796,668	274	\$0.055	\$43,870	2,303	0.79	\$4.84	\$11,137	0	\$4.50	\$0	\$55,007
January	1141	0	100%	103,530	91	\$0.044	\$4,546	917	0.80	\$4.52	4,148	0	\$4.50	\$0	\$8,694
February	1034	0	100%	86,700	84	\$0.045	\$3,865	1,264	1.22	\$4.27	5,397	0	\$4.50	\$0	\$9,261
March	971	0	100%	100,368	103	\$0.043	\$4,359	1,076	1.11	\$4.07	4,378	0	\$4.50	\$0	\$8,737
April	550	0	100%	100,368	182	\$0.048	\$4,865	1,082	1.97	\$4.30	4,649	0	\$4.50	\$0	\$9,513
May	157	94	100%	100,368	400	\$0.050	\$5,055	1,176	4.69	\$3.60	4,229	0	\$4.50	\$0	\$9,284
June	31	162	100%	159,732	828	\$0.048	\$7,594	410	2.12	\$3.97	1,626	0	\$4.50	\$0	\$9,220
2nd half yr	3884	256		651,066	157	\$0.047	\$30,284	5,925	1.43	\$4.12	\$24,426	0	\$4.50	\$0	\$54,710
TOTAL YEAR	6135	916		1,447,734	205	\$0.051	\$74,154	8,228	1.17	\$4.32	\$35,564	0	\$4.50	\$0	\$109,717

Building Data:	1991	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	51,899	Electricity = KWH X 3413	4,941,116	
Gross Volume (ft)3	415,192	Natural Gas = MCF X 102,500	843,370	Total BTU Consumption/Yr 5,784,486,142
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft)2 51,899
		Other Fuel	0	Divided by 100,000 = 1.1146 THERMS
		TOTAL BTU's x 1,000	5,784,486	

COST / SQ. FT. / YEAR \$2.11
 WATER / SQ. FT. / YEAR \$0.35

BUILDING: Child Care Center
 FY YEAR: 2013
 DATE : 09/13/14

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		@20 Gal/Hr	
														Cost per Gal	TOTAL
July	0	403	100%	31,356	78	\$0.052	\$1,636	7	0.02	\$8.98	58	0	\$4.50	\$0	\$1,694
August	3	184	100%	27,131	145	\$0.062	\$1,680	21	0.11	\$8.00	166	0	\$4.50	\$0	\$1,845
September	145	67	100%	20,149	95	\$0.056	\$1,120	17	0.08	\$6.78	112	0	\$4.50	\$0	\$1,233
October	414	6	100%	16,827	40	\$0.055	\$934	36	0.09	\$3.59	130	0	\$4.50	\$0	\$1,064
November	775	0	100%	14,115	18	\$0.051	\$715	60	0.08	\$3.26	195	0	\$4.50	\$0	\$909
December	914	0	100%	15,421	17	\$0.051	\$783	110	0.12	\$3.50	386	0	\$4.50	\$0	\$1,169
1st half yr	2251	660		124,999	43	\$0.055	\$6,967	250	0.09	\$4.19	\$1,048	0	\$4.50	\$0	\$7,915
January	1141	0	100%	13,915	12	\$0.044	\$611	169	0.15	\$3.34	564	0	\$4.50	\$0	\$1,175
February	1034	0	100%	13,955	13	\$0.045	\$622	237	0.23	\$3.41	807	0	\$4.50	\$0	\$1,429
March	971	0	100%	14,996	15	\$0.043	\$651	262	0.27	\$4.07	1,068	0	\$4.50	\$0	\$1,720
April	550	0	100%	14,766	27	\$0.048	\$716	270	0.49	\$4.96	1,338	0	\$4.50	\$0	\$2,054
May	157	94	100%	19,114	76	\$0.050	\$963	189	0.75	\$6.04	1,140	0	\$4.50	\$0	\$2,103
June	31	162	100%	24,697	128	\$0.048	\$1,174	135	0.70	\$6.25	846	0	\$4.50	\$0	\$2,021
2nd half yr	3884	256		101,442	25	\$0.047	\$4,737	1,262	0.30	\$4.57	\$5,764	0	\$4.50	\$0	\$10,501
TOTAL YEAR	6135	916		226,442	32	\$0.051	\$11,604	1,512	0.21	\$4.50	\$6,811	0	\$4.50	\$0	\$18,416

Building Data:	1996	Energy Consumption to BTU Conversions	BTU's x 1,000	772,846	Energy Utilization Index =
Gross Area (ft)2	15,941	Electricity = KWH X 3413			
Gross Volume (ft)3	127,528	Natural Gas = MCF X 102,500	154,990	Total BTU Consumption/Yr	927,835,772
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft) 2	15,941
		Other Fuel	0	Divided by 100,000 =	0.5820
		TOTAL BTU's x 1,000	927,836		THERMS

COST / SQ. FT. / YEAR \$1.16

WATER / SQ. FT. / YEAR \$0.30

BUILDING: Computer Center
FY YEAR: 2013
DATE : 09/13/14

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-sged gours	Cost per Gal
July	0	403	100%	195,417	485	\$0.052	\$10,195	55	0.14	\$4.88	268	0	\$4.50	\$0
August	3	184	100%	196,236	1,049	\$0.062	\$12,149	0	0.00	#DIV/0!	0	0	\$4.50	\$0
September	145	67	100%	172,346	813	\$0.056	\$9,581	0	0.00	#DIV/0!	0	0	\$4.50	\$0
October	414	6	100%	173,198	412	\$0.055	\$9,612	0	0.00	#DIV/0!	0	0	\$4.50	\$0
November	775	0	100%	160,360	207	\$0.051	\$8,118	0	0.00	#DIV/0!	0	0	\$4.50	\$0
December	914	0	100%	200,612	219	\$0.051	\$10,189	63	0.07	\$3.23	204	0	\$4.50	\$0
1st half yr	2251	660		1,098,169	377	\$0.054	\$59,844	118	0.04	\$4.00	\$472	0	\$4.50	\$0
January	1141	0	100%	174,244	153	\$0.044	\$7,651	138	0.12	\$3.82	527	0	\$4.50	\$0
February	1034	0	100%	175,306	170	\$0.045	\$7,815	161	0.16	\$3.67	591	0	\$4.50	\$0
March	971	0	100%	204,238	210	\$0.043	\$8,871	211	0.22	\$3.30	696	0	\$4.50	\$0
April	550	0	100%	192,780	351	\$0.048	\$9,344	232	0.42	\$3.56	826	0	\$4.50	\$0
May	157	94	100%	205,084	817	\$0.050	\$10,329	118	0.47	\$3.17	374	0	\$4.50	\$0
June	31	162	100%	219,095	1,135	\$0.048	\$10,416	92	0.48	\$3.73	343	0	\$4.50	\$0
2nd half yr	3884	256		1,170,746	283	\$0.046	\$54,425	952	0.23	\$3.53	\$3,358	0	\$4.50	\$0
TOTAL/YEAR	6135	916		2,268,915	322	\$0.050	\$114,268	1,070	0.15	\$3.58	\$3,830	0	\$4.50	\$0

Building Data:	1966	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft2)	32,872	Electricity = KWH X 3413	7,743,806
Gross Volume (ft3)	262,976	Natural Gas = MCF X 102,500	109,675
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	7,853,481

COST / SQ. FT. / YEAR	\$3.59	Energy Utilization Index =	
WATER / SQ. FT. / YEAR	\$0.18	Total BTU Consumption/Yr	7,853,480,530
		Gross Area (ft2)	32,872
		Divided by 100,000 =	2.3891
		THERMS	

BUILDING: Crossings
FY YEAR: 2013
DATE: 09/13/14

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)	
July	0	403	100%	110,136	273	\$0.052	0	0.00	\$12.51	\$0
August	3	184	100%	182,953	978	\$0.062	6	0.03	\$12.51	\$79
September	145	67	100%	231,154	1,090	\$0.056	304	1.44	\$12.51	\$3,807
October	414	6	100%	242,934	578	\$0.055	869	2.07	\$12.51	\$10,869
November	775	0	100%	215,550	278	\$0.051	1,826	2.10	\$12.51	\$20,346
December	914	0	100%	200,629	220	\$0.051	1,918	2.10	\$12.51	\$23,995
1st half yr	2251	660		1,183,356	407	\$0.055	4,724	1.62	\$12.51	\$59,095
January	1141	0	100%	198,870	174	\$0.044	2,395	2.10	\$12.51	\$29,954
February	1034	0	100%	203,884	197	\$0.045	2,170	2.10	\$12.51	\$27,145
March	971	0	100%	210,967	217	\$0.043	2,038	2.10	\$12.51	\$25,491
April	550	0	100%	208,493	379	\$0.048	1,154	2.10	\$12.51	\$14,439
May	157	94	100%	132,613	528	\$0.050	329	1.31	\$12.51	\$4,122
June	31	162	100%	161,128	835	\$0.048	65	0.34	\$12.51	\$814
2nd half yr	3884	256		1,115,955	270	\$0.046	8,151	1.97	\$12.51	\$101,965
TOTAL/YEAR	6135	916		2,299,311	326	\$0.050	12,875	1.83	\$12.51	\$161,060

Building Data:	2002	Energy Consumption to BTU Conversions	
Gross Area (ft)2	228,890	Electricity = KWH X 3413	BTU's x 1,000 7,847,549
Gross Volume (ft)3	1,831,920	Steam = M (lbs) X 1,000,000	12,875,305
General Notes:		Natural Gas = MCF X 102,500	32,288
		Other Fuel	0
		TOTAL BTU's x 1,000	20,755,141

COST / SQ. FT. / YEAR \$1.21
WATER / SQ. FT. / YEAR \$0.20

Energy Utilization Index =
Total BTU Consumption/Yr 20,755,141,305
Gross Area (ft) 2 228,990
Divided by 100,000 = 0.9064 THERMS

BUILDING: Dowd Nash White
 FY YEAR: 2013
 DATE: 09/13/14

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	FUEL OIL		
													Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	7,279	18	\$0.052	\$380	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$380
	3	184	100%	5,145	28	\$0.062	\$319	2	0.01	\$12.51	\$28	0	\$4.50	\$0	\$346
	145	67	100%	5,331	25	\$0.056	\$296	106	0.50	\$12.51	\$1,330	0	\$4.50	\$0	\$1,627
September	414	6	100%	6,096	15	\$0.055	\$338	304	0.72	\$12.51	\$3,798	0	\$4.50	\$0	\$4,137
	775	0	100%	5,982	8	\$0.051	\$303	568	0.73	\$12.51	\$7,111	0	\$4.50	\$0	\$7,414
	914	0	100%	6,266	7	\$0.051	\$318	670	0.73	\$12.51	\$8,386	0	\$4.50	\$0	\$8,704
1st half yr	2251	660		36,099	12	\$0.054	\$1,954	1,651	0.57	\$12.51	\$20,653	0	\$4.50	\$0	\$22,607
January	1141	0	100%	5,499	5	\$0.044	\$241	837	0.73	\$12.51	\$10,469	0	\$4.50	\$0	\$10,710
February	1034	0	100%	5,433	5	\$0.045	\$242	758	0.73	\$12.51	\$9,487	0	\$4.50	\$0	\$9,729
March	971	0	100%	5,950	6	\$0.043	\$258	712	0.73	\$12.51	\$8,909	0	\$4.50	\$0	\$9,167
April	550	0	100%	5,195	9	\$0.048	\$252	403	0.73	\$12.51	\$5,046	0	\$4.50	\$0	\$5,298
May	157	94	100%	3,697	15	\$0.050	\$186	115	0.46	\$12.51	\$1,440	0	\$4.50	\$0	\$1,627
June	31	162	100%	0	0	\$0.048	\$0	23	0.12	\$12.51	\$284	0	\$4.50	\$0	\$284
2nd half yr	3884	256		25,775	6	\$0.046	\$1,180	2,849	0.89	\$12.51	\$35,636	0	\$4.50	\$0	\$36,816
TOTAL/YEAR	6135	916		61,874	9	\$0.051	\$3,134	4,500	0.64	\$12.51	\$56,289	0	\$4.50	\$0	\$59,423

Building Data:	1952	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	80,030	Electricity = KWH X 3413	211,175
Gross Volume (ft)3	640,240	Steam = M (lbs) X 1,000,000	4,499,806
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	4,710,982

Energy Utilization Index =
 Total BTU Consumption/Yr 4,710,981.650
 Gross Area (ft)2 80,030
 Divided by 100,000 = 0.5887 THERMS

COST / SQ. FT. / YEAR \$0.74
 WATER / SQ. FT. / YEAR \$0.16

BUILDING: Driscoll Center
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)				ELECTRICITY		M (LBS)	PURCHASED STEAM		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh		M (Lbs) per DD	Cost per M(Lbs)			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	403	100%	50,391	125	\$0.052	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$2,629
August	3	184	100%	48,799	261	\$0.062	1	0.01	\$12.51	\$13	0	\$4.50	\$0	\$3,034
September	145	67	100%	44,141	208	\$0.056	51	0.24	\$12.51	\$643	0	\$4.50	\$0	\$3,097
October	414	6	100%	49,226	117	\$0.055	147	0.35	\$12.51	\$1,836	0	\$4.50	\$0	\$4,568
November	775	0	100%	49,760	64	\$0.051	275	0.35	\$12.51	\$3,436	0	\$4.50	\$0	\$5,955
December	914	0	100%	57,327	63	\$0.051	324	0.35	\$12.51	\$4,053	0	\$4.50	\$0	\$6,964
1st half yr	2251	660		299,644	103	\$0.054	798	0.27	\$12.51	\$9,981	0	\$4.50	\$0	\$26,247
January	1141	0	100%	50,685	44	\$0.044	404	0.35	\$12.51	\$5,059	0	\$4.50	\$0	\$7,285
February	1034	0	100%	51,416	50	\$0.045	367	0.35	\$12.51	\$4,585	0	\$4.50	\$0	\$6,877
March	971	0	100%	54,910	57	\$0.043	344	0.35	\$12.51	\$4,305	0	\$4.50	\$0	\$6,690
April	550	0	100%	47,590	87	\$0.048	195	0.35	\$12.51	\$2,439	0	\$4.50	\$0	\$4,745
May	157	94	100%	46,327	185	\$0.050	56	0.22	\$12.51	\$696	0	\$4.50	\$0	\$3,029
June	31	162	100%	43,932	228	\$0.048	11	0.06	\$12.51	\$137	0	\$4.50	\$0	\$2,226
2nd half yr	3884	256		294,860	71	\$0.046	1,377	0.33	\$12.51	\$17,221	0	\$4.50	\$0	\$30,852
TOTAL/YEAR	6135	916		594,504	84	\$0.050	2,175	0.31	\$12.51	\$27,202	0	\$4.50	\$0	\$57,099

Building Data:	1977	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	38,675	Electricity = KWH X 3413		2,029,042
Gross Volume (ft)3	309,400	Steam = M (lbs) X 1,000,000		2,174,560
General Notes:		Fuel Oil = Gallons X 138,690		0
		Other Fuel		0
		TOTAL BTU's x 1,000		4,203,602

Energy Utilization Index =	
Total BTU Consumption/Yr	4,203,601,834
Gross Area (ft) 2	38,675
Divided by 100,000 =	1.0869
THERMS	

COST / SQ. FT. / YEAR \$1.48

WATER / SQ. FT. / YEAR \$0.15

BUILDING: Gilham Hall
FY YEAR: 2013

DATE : 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		M (LBS)	PURCHASED STEAM		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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	40,391	100	\$0.052	\$2,107	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$2,107
August	3	184	100%	42,290	226	\$0.062	\$2,618	3	0.01	\$12.51	\$32	0	\$4.50	\$0	\$2,650
September	145	67	100%	41,214	194	\$0.056	\$2,291	123	0.58	\$12.51	\$1,535	0	\$4.50	\$0	\$3,826
October	414	6	100%	43,708	104	\$0.055	\$2,426	350	0.83	\$12.51	\$4,383	0	\$4.50	\$0	\$6,809
November	775	0	100%	41,628	54	\$0.051	\$2,107	656	0.85	\$12.51	\$8,205	0	\$4.50	\$0	\$10,312
December	914	0	100%	40,549	44	\$0.051	\$2,059	774	0.85	\$12.51	\$9,677	0	\$4.50	\$0	\$11,736
1st half yr	2251	660		249,780	86	\$0.054	\$13,609	1,905	0.85	\$12.51	\$23,832	0	\$4.50	\$0	\$37,441
January	1141	0	100%	38,441	34	\$0.044	\$1,688	966	0.85	\$12.51	\$12,080	0	\$4.50	\$0	\$13,768
February	1034	0	100%	40,805	39	\$0.045	\$1,819	875	0.85	\$12.51	\$10,947	0	\$4.50	\$0	\$12,766
March	971	0	100%	57,725	59	\$0.043	\$2,507	822	0.85	\$12.51	\$10,280	0	\$4.50	\$0	\$12,787
April	550	0	100%	54,782	100	\$0.048	\$2,855	465	0.85	\$12.51	\$5,823	0	\$4.50	\$0	\$8,478
May	157	94	100%	39,658	158	\$0.050	\$1,997	133	0.53	\$12.51	\$1,662	0	\$4.50	\$0	\$3,659
June	31	162	100%	37,828	196	\$0.048	\$1,798	26	0.14	\$12.51	\$328	0	\$4.50	\$0	\$2,127
2nd half yr	3884	256		269,238	65	\$0.046	\$12,465	3,287	0.79	\$12.51	\$41,120	0	\$4.50	\$0	\$53,585
TOTAL/YEAR	6135	916		519,018	74	\$0.050	\$26,074	5,192	0.74	\$12.51	\$64,952	0	\$4.50	\$0	\$91,026

Building Data:	1953	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft ²)	92,347	Electricity = KWH X 3413	1,771,408	
Gross Volume (ft ³)	738,776	Steam = M (lbs) X 1,000,000	5,192,348	Total BTU Consumption/Yr = 6,963,755.857
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft ²)
		Other Fuel	0	Divided by 100,000 =
		TOTAL BTU's x 1,000	6,963,756	0.7541
				THERMS

COST / SQ. FT. / YEAR \$0.99

WATER / SQ. FT. / YEAR \$0.09

BUILDING: Glass Bowl Stadium
FY YEAR: 2013
DATE: 09/13/14

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	403	100%	42,805	106	\$0.052	\$2,233	13	0.03	\$4.88	63	0	\$4.50	\$0	\$2,297
August	3	184	100%	89,401	478	\$0.082	\$5,535	6	0.03	\$5.58	33	0	\$4.50	\$0	\$5,568
September	145	67	100%	81,107	383	\$0.056	\$4,509	0	0.00	#DIV/0!	0	0	\$4.50	\$0	\$4,509
October	414	6	100%	110,535	263	\$0.055	\$6,134	0	0.00	#DIV/0!	0	0	\$4.50	\$0	\$6,134
November	775	0	100%	129,775	167	\$0.051	\$6,570	54	0.07	\$4.23	228	0	\$4.50	\$0	\$6,798
December	914	0	100%	119,871	131	\$0.051	\$6,088	184	0.20	\$3.23	595	0	\$4.50	\$0	\$6,683
1st half yr	2251	660		573,495	197	\$0.054	\$31,069	257	0.09	\$3.58	\$920	0	\$4.50	\$0	\$31,989
January	1141	0	100%	104,312	91	\$0.044	\$4,580	302	0.26	\$3.82	1,153	0	\$4.50	\$0	\$5,734
February	1034	0	100%	94,944	92	\$0.045	\$4,232	493	0.48	\$3.67	1,811	0	\$4.50	\$0	\$6,043
March	971	0	100%	103,778	107	\$0.043	\$4,507	636	0.65	\$3.30	2,099	0	\$4.50	\$0	\$6,607
April	550	0	100%	100,430	183	\$0.048	\$4,868	551	1.00	\$3.56	1,962	0	\$4.50	\$0	\$6,830
May	157	94	100%	42,264	168	\$0.050	\$2,129	416	1.66	\$3.17	1,320	0	\$4.50	\$0	\$3,448
June	31	162	100%	44,340	230	\$0.048	\$2,108	156	0.81	\$3.73	581	0	\$4.50	\$0	\$2,689
2nd half yr	3884	256		490,068	118	\$0.046	\$22,424	2,554	0.62	\$3.50	\$8,926	0	\$4.50	\$0	\$31,350
TOTAL/YEAR	6135	916		1,063,562	151	\$0.050	\$53,493	2,811	0.40	\$3.50	\$9,846	0	\$4.50	\$0	\$63,339

Building Data:	1937	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	103,578	Electricity = KWH X 3413	3,629,938
Gross Volume (ft)3	828,624	Natural Gas = MCF X 102,500	288,128
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,918,066

COST / SQ. FT. /YEAR	\$0.61	Energy Utilization Index =	Total BTU Consumption/Yr	3,918,065,981
WATER / SQ. FT. /YEAR	\$0.19		Gross Area (ft) 2	103,578
			Divided by 100,000 =	0.3783
				THERMS

BUILDING: Grounds
FY YEAR: 2013

DATE : 09/13/14

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 Gall/Hr TOTAL
July	0	403	100%	13,400	33	\$0.052	\$699	4	0.04	\$27.01	0	\$4.50	\$0	\$819
August	3	184	100%	12,376	66	\$0.062	\$766	3	0.05	\$41.52	0	\$4.50	\$0	\$877
September	145	67	100%	10,323	49	\$0.056	\$574	2	0.03	\$59.79	0	\$4.50	\$0	\$680
October	414	6	100%	10,912	26	\$0.055	\$606	3	0.02	\$41.31	0	\$4.50	\$0	\$716
November	775	0	100%	10,861	14	\$0.051	\$550	15	0.06	\$11.41	0	\$4.50	\$0	\$719
December	914	0	100%	15,048	16	\$0.051	\$764	52	0.19	\$5.54	0	\$4.50	\$0	\$1,055
1st half yr	2251	660		72,921	25	\$0.054	\$3,959	79	0.03	\$11.50	0	\$4.50	\$0	\$4,866
January	1141	0	100%	13,164	12	\$0.044	\$578	111	0.33	\$5.16	0	\$4.50	\$0	\$1,149
February	1034	0	100%	13,692	13	\$0.045	\$610	177	0.58	\$4.59	0	\$4.50	\$0	\$1,422
March	971	0	100%	13,183	14	\$0.043	\$573	226	0.79	\$4.23	0	\$4.50	\$0	\$1,529
April	550	0	100%	10,389	19	\$0.048	\$504	201	1.23	\$4.50	0	\$4.50	\$0	\$1,410
May	157	94	100%	9,778	39	\$0.050	\$492	152	2.04	\$4.16	0	\$4.50	\$0	\$1,122
June	31	162	100%	10,360	54	\$0.048	\$493	55	0.96	\$5.55	0	\$4.50	\$0	\$797
2nd half yr	3684	256		70,565	17	\$0.046	\$3,249	921	0.22	\$4.54	0	\$4.50	\$0	\$7,429
TOTAL/YEAR	6135	916		143,486	20	\$0.050	\$7,208	1,000	0.14	\$5.09	0	\$4.50	\$0	\$12,295

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	489,716	
Gross Volume (ft)3	104,072	Natural Gas = MCF X 102,500	102,522	Total BTU Consumption/Yr 592,237,874
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft)2 13,009
		Other Fuel	0	Divided by 100,000 = 0.4553 THERMS
		TOTAL BTU's x 1,000	592,238	

COST / SQ. FT. /YEAR \$0.95

WATER /SQ. FT. /YEAR \$0.16

BUILDING: Health Human Services
FY YEAR: 2013
DATE : 09/13/14

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	403	100%	127,145	315	\$0.052	\$6,633	0	0.00	\$12.51	\$0	0	\$0.00	\$0	\$6,633
August	3	184	100%	124,855	668	\$0.062	\$7,730	4	0.02	\$12.51	\$56	0	\$0.00	\$0	\$7,786
September	145	67	100%	124,803	589	\$0.056	\$6,938	217	1.02	\$12.51	\$2,710	0	\$0.00	\$0	\$9,648
October	414	6	100%	129,114	307	\$0.055	\$7,165	618	1.47	\$12.51	\$7,737	0	\$0.00	\$0	\$14,902
November	775	0	100%	116,324	150	\$0.051	\$5,889	1,158	1.49	\$12.51	\$14,483	0	\$0.00	\$0	\$20,372
December	914	0	100%	125,778	138	\$0.051	\$6,388	1,365	1.49	\$12.51	\$17,081	0	\$0.00	\$0	\$23,469
1st half yr	2251	660		748,018	257	\$0.054	\$40,743	3,363	1.16	\$12.51	\$42,066	0.00	\$0.00	\$0	\$82,810
January	1141	0	100%	114,809	101	\$0.044	\$5,041	1,705	1.49	\$12.51	\$21,323	0	\$0.00	\$0	\$26,364
February	1034	0	100%	120,874	117	\$0.045	\$5,388	1,545	1.49	\$12.51	\$19,323	0	\$0.00	\$0	\$24,711
March	971	0	100%	128,527	132	\$0.043	\$5,582	1,451	1.49	\$12.51	\$18,146	0	\$0.00	\$0	\$23,728
April	550	0	100%	125,187	228	\$0.048	\$6,068	822	1.49	\$12.51	\$10,278	0	\$0.00	\$0	\$16,346
May	157	94	100%	111,842	446	\$0.050	\$5,633	235	0.93	\$12.51	\$2,934	0	\$0.00	\$0	\$8,567
June	31	162	100%	116,997	606	\$0.048	\$5,562	46	0.24	\$12.51	\$579	0	\$0.00	\$0	\$6,142
2nd half yr	3884	256		718,235	173	\$0.046	\$33,274	5,802	1.40	\$12.51	\$72,584	0	\$0.00	\$0	\$105,858
TOTAL/YEAR	6135	916		1,466,253	208	\$0.050	\$74,017	9,165	1.30	\$12.51	\$114,850	0	\$0.00	\$0	\$188,668

Building Data:	1961	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	163,006	Electricity = KWH X 3413	5,004,320
Gross Volume (ft)3	1,304,048	Steam = M (lbs) X 1,000,000	9,165,256
General Notes:		Natural Gas = MCF X 102,500	0
		Other Fuel	0
		TOTAL BTU's x 1,000	14,169,576

COST / SQ. FT. /YEAR	\$1.16	Energy Utilization Index =	
WATER / SQ. FT. /YEAR	\$0.18	Total BTU Consumption/Yr	14,169,575,777
		Gross Area (ft) 2	163,006
		Divided by 100,000 =	0.8693
			THERMS

BUILDING: Health Education Center
FY YEAR: 2013

DATE: 09/13/14

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		FUEL OIL	
														Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	88,440	219	\$0.052	\$4,614	546	1.35	\$4.88	2,665	0	\$4.50	\$0	\$7,279
August	3	184	100%	99,990	535	\$0.062	\$6,190	254	1.36	\$5.58	1,417	0	\$4.50	\$0	\$7,607
September	145	67	100%	86,684	409	\$0.056	\$4,819	263	1.24	\$5.37	1,412	0	\$4.50	\$0	\$6,231
October	414	6	100%	75,767	180	\$0.055	\$4,205	351	0.84	\$4.23	1,485	0	\$4.50	\$0	\$5,689
November	775	0	100%	55,738	72	\$0.051	\$2,822	428	0.55	\$4.23	1,808	0	\$4.50	\$0	\$4,630
December	914	0	100%	59,171	65	\$0.051	\$3,005	805	0.88	\$3.23	2,603	0	\$4.50	\$0	\$5,608
1st half yr	2251	680		465,790	160	\$0.055	\$25,655	2,647	0.91	\$4.30	\$11,390	0	\$4.50	\$0	\$37,045
January	1141	0	100%	54,949	48	\$0.044	\$2,413	918	0.80	\$3.82	3,506	0	\$4.50	\$0	\$5,919
February	1034	0	100%	54,099	52	\$0.045	\$2,412	945	0.91	\$3.67	3,471	0	\$4.50	\$0	\$5,883
March	971	0	100%	59,959	62	\$0.043	\$2,604	1,076	1.11	\$3.30	3,552	0	\$4.50	\$0	\$6,156
April	550	0	100%	57,725	105	\$0.048	\$2,798	1,120	2.04	\$3.56	3,988	0	\$4.50	\$0	\$6,786
May	157	94	100%	70,405	280	\$0.050	\$3,546	1,095	4.36	\$3.17	3,473	0	\$4.50	\$0	\$7,019
June	31	162	100%	101,022	523	\$0.048	\$4,803	758	3.93	\$3.73	2,824	0	\$4.50	\$0	\$7,627
2nd half yr	3884	256		398,159	96	\$0.047	\$18,575	5,912	1.43	\$3.52	\$20,814	0	\$4.50	\$0	\$39,389
TOTAL/YEAR	6135	916		863,949	123	\$0.051	\$44,230	8,559	1.21	\$3.76	\$32,204	0	\$4.50	\$0	\$78,434

Building Data: 1967 Energy Consumption to BTU Conversions

BTU's x 1,000

Electricity = KWH X 3413

2,948,656

Natural Gas = MCF X 102,500

877,298

Fuel Oil = Gallons X 138,690

0

Other Fuel

0

TOTAL BTU's x 1,000

3,825,954

Energy Utilization Index =

Total BTU Consumption/Yr

Gross Area (ft) 2

3,825,953,731

79,016

Divided by 100,000 =

0.4842

THERMS

COST / SQ. FT. / YEAR \$0.97

WATER / SQ. FT. / YEAR \$0.18

BUILDING: International House
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	66,533	165	\$0.052	\$3,471	0	\$12.51	\$0
August	3	184	100%	114,541	613	\$0.062	\$7,091	4	\$12.51	\$48
September	145	67	100%	119,083	562	\$0.056	\$6,620	185	\$12.51	\$2,309
October	414	6	100%	124,106	295	\$0.055	\$6,887	527	\$12.51	\$6,593
November	775	0	100%	108,115	140	\$0.051	\$5,473	987	\$12.51	\$12,342
December	914	0	100%	103,099	113	\$0.051	\$5,236	1,164	\$12.51	\$14,555
1st half yr	2251	660		635,477	218	\$0.055	\$34,779	2,866	\$12.51	\$35,846
January	1141	0	100%	104,475	92	\$0.044	\$4,587	1,453	\$12.51	\$18,170
February	1034	0	100%	106,769	103	\$0.045	\$4,759	1,316	\$12.51	\$16,466
March	971	0	100%	108,463	112	\$0.043	\$4,711	1,236	\$12.51	\$15,463
April	550	0	100%	108,092	197	\$0.048	\$5,239	700	\$12.51	\$8,759
May	157	94	100%	76,772	306	\$0.050	\$3,866	200	\$12.51	\$2,500
June	31	162	100%	74,379	385	\$0.048	\$3,536	39	\$12.51	\$494
2nd half yr	3884	256		578,949	140	\$0.046	\$26,699	4,944	\$12.51	\$61,852
TOTAL/YEAR	6135	916		1,214,427	172	\$0.051	\$61,479	7,810	\$12.51	\$97,698

Building Data:	1994	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	138,904	Electricity = KWH X 3413	4,144,838
Gross Volume (ft)3	1,111,232	Steam = M (lbs) X 1,000,000	7,810,085
General Notes:		Natural Gas = MCF X 102,500	47,704
		Other Fuel	0
		TOTAL BTU's x 1,000	12,002,627

Energy Utilization Index =
 Total BTU Consumption/Yr 12,002,626,505
 Gross Area (ft) 2 138,904
 Divided by 100,000 = 0.8641 THERMS

COST / SQ. FT. / YEAR \$1.16
 WATER / SQ. FT. / YEAR \$0.29

DATE: 09/13/14

Building Data:	1997	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	34,054	Electricity = KWH X 3413	2,143,705
Gross Volume (ft)3	272,432	Natural Gas = MCF X 102,500	453,358
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,597,063

Energy Utilization Index =	
$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2}$	$\frac{2,597,062,800}{34,054}$
Divided by 100,000 =	0.7626
	THERMS

WATER / SQ. FT. / YEAR	\$0.11
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BUILDING: Larimer Athletic Complex
 FY YEAR: 2013
 DATE : 09/13/14

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	403	100%	185,671	461	\$0.052	\$9,687	80	0.20	\$4.88	390	0	\$4.50	\$0
August	3	184	100%	181,797	972	\$0.062	\$11,255	81	0.43	\$5.58	452	0	\$4.50	\$0
September	145	67	100%	150,918	712	\$0.056	\$8,390	89	0.42	\$5.37	478	0	\$4.50	\$0
October	414	6	100%	133,093	317	\$0.055	\$7,386	433	1.03	\$4.23	1,831	0	\$4.50	\$0
November	775	0	100%	104,574	135	\$0.051	\$5,294	135	0.17	\$4.23	570	0	\$4.50	\$0
December	914	0	100%	104,294	114	\$0.051	\$5,297	198	0.22	\$3.23	640	0	\$4.50	\$0
1st half yr	2251	660		860,346	296	\$0.055	\$47,309	1,016	0.35	\$4.29	\$4,362	0	\$4.50	\$0
January	1141	0	100%	95,133	83	\$0.044	\$4,177	231	0.20	\$3.82	882	0	\$4.50	\$0
February	1034	0	100%	90,592	88	\$0.045	\$4,038	288	0.28	\$3.67	1,058	0	\$4.50	\$0
March	971	0	100%	103,114	106	\$0.043	\$4,479	384	0.40	\$3.30	1,268	0	\$4.50	\$0
April	550	0	100%	115,398	210	\$0.048	\$5,593	387	0.70	\$3.56	1,378	0	\$4.50	\$0
May	157	94	100%	141,715	565	\$0.050	\$7,137	222	0.88	\$3.17	704	0	\$4.50	\$0
June	31	162	100%	162,233	841	\$0.048	\$7,713	171	0.89	\$3.73	637	0	\$4.50	\$0
2nd half yr	3884	256		708,185	171	\$0.047	\$33,137	1,683	0.41	\$3.52	\$5,927	0	\$4.50	\$0
TOTAL YEAR	6135	916		1,568,531	222	\$0.051	\$80,446	2,699	0.38	\$3.81	\$10,289	0	\$4.50	\$0

Building Data:	1990	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	32,139	Electricity = KWH X 3413	5,353,395	
Gross Volume (ft)3	257,112	Natural Gas = MCF X 102,500	276,648	Total BTU Consumption/Yr 5,630,042.779
General Notes:		Fuel Oil = Gallons X 138,700	0	Gross Area (ft)2 32,139
		Other Fuel	0	Divided by 100,000 = 1.7518 THERMS
		TOTAL BTU's x 1,000	5,630,043	

COST / SQ. FT. / YEAR \$2.82

WATER / SQ. FT. / YEAR \$0.39

BUILDING: Law Center
FY YEAR: 2013

DATE : 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	M (LBS)	PURCHASED STEAM		TOTAL	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	
July	0	403	100%	265,055	658	\$0.052	0	0.00	\$12.51	1	\$20.83	\$13,851
August	3	184	100%	271,823	1,454	\$0.062	3	0.02	\$12.51	1	\$20.83	\$16,897
September	145	67	100%	267,223	1,260	\$0.056	167	0.79	\$12.51	1	\$20.83	\$16,968
October	414	6	100%	282,147	672	\$0.055	476	1.13	\$12.51	1	\$20.83	\$21,635
November	775	0	100%	259,129	334	\$0.051	891	1.15	\$12.51	1	\$20.83	\$24,285
December	914	0	100%	358,924	391	\$0.051	1,050	1.15	\$12.51	1	\$20.83	\$31,293
1st half yr	2251	660		1,702,301	585	\$0.054	2,587	0.89	\$12.51	6	\$26.60	\$124,930
January	1141	0	100%	329,606	289	\$0.044	1,311	1.15	\$12.51	0	\$20.83	\$30,898
February	1034	0	100%	342,160	331	\$0.045	1,188	1.15	\$12.51	2	\$20.83	\$30,146
March	971	0	100%	274,846	283	\$0.043	1,116	1.15	\$12.51	2	\$20.83	\$25,919
April	550	0	100%	283,903	516	\$0.048	632	1.15	\$12.51	2	\$20.83	\$21,697
May	157	94	100%	270,720	1,079	\$0.050	180	0.72	\$12.51	3	\$20.83	\$15,929
June	31	162	100%	271,016	1,404	\$0.048	36	0.18	\$12.51	2	\$20.83	\$13,361
2nd half yr	3884	256		1,772,251	428	\$0.046	4,463	1.08	\$12.51	10	\$17.45	\$137,949
TOTAL/YEAR	6135	916		3,474,552	493	\$0.050	7,050	1.00	\$12.51	16	\$20.83	\$262,879

Building Data:	1972	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft2)	125,392	Electricity = KWH X 3413	11,858,645	
Gross Volume (ft3)	1,003,136	Steam = M (lbs) X 1,000,000	7,050,353	Total BTU Consumption/Yr. 18,910,606,825
General Notes:		Natural Gas = MCF X 102,500	1,609	Gross Area (ft) 2 125,392
		Other Fuel	0	Divided by 100,000 = 1.5081 THERMS
		TOTAL BTU's x 1,000	18,910,607	

COST / SQ. FT. / YEAR \$2.10

WATER / SQ. FT. / YEAR \$0.06

BUILDING: Lewis House
FY YEAR: 2013
DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		TOTAL	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh per DD	kWh		1000 cubic feet (Mcf)	Mcf per DD		Load-shed Hours	Cost per Gal	
July	0	403	100%	6,805		\$355	12	0.03	\$5.95	0	\$4.50	\$0
August	3	184	100%	6,550		\$406	34	0.18	\$6.83	0	\$4.50	\$0
September	145	67	100%	4,109		\$228	30	0.14	\$5.71	0	\$4.50	\$0
October	414	6	100%	4,109		\$228	25	0.06	\$3.84	0	\$4.50	\$0
November	775	0	100%	3,756		\$190	32	0.04	\$4.71	0	\$4.50	\$0
December	914	0	100%	5,422		\$275	31	0.03	\$4.14	0	\$4.50	\$0
1st half yr	2251	660		30,751		\$1,683	164	0.06	\$5.18	0	\$4.50	\$0
January	1141	0	100%	8,245		\$362	35	0.03	\$3.56	0	\$4.50	\$0
February	1034	0	100%	7,413		\$330	42	0.04	\$3.49	0	\$4.50	\$0
March	971	0	100%	2,756		\$120	39	0.04	\$4.25	0	\$4.50	\$0
April	550	0	100%	2,756		\$134	40	0.07	\$4.90	0	\$4.50	\$0
May	157	94	100%	2,756		\$139	38	0.15	\$4.19	0	\$4.50	\$0
June	31	162	100%	4,495		\$214	36	0.19	\$3.96	0	\$4.50	\$0
2nd half yr	3884	256		28,421		\$1,298	229	0.06	\$4.07	0	\$4.50	\$0
TOTAL/YEAR	6135	916		59,172		\$5,643	393	0.06	\$4.53	0	\$4.50	\$0

Building Data:	1920	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	6,457	Electricity = KWH X 3413	201,954
Gross Volume (ft)3	51,656	Natural Gas = MCF X 102,500	40,303
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	242,257

Energy Utilization Index =	
Total BTU Consumption/Yr	242,257,036
Gross Area (ft) 2	6,457
Divided by 100,000 =	0.3752
	THERMS

COST / SQ. FT. / YEAR \$1.15
WATER / SQ. FT. / YEAR \$0.48

BUILDING: Libby Hall
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	M (LBS)	PURCHASED STEAM		TOTAL	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	
July	0	403	100%	396	1	\$0.052	0	0.00	\$12.51	15	\$5.23	\$55
August	3	184	100%	389	2	\$0.062	0	0.00	\$12.51	20	\$5.23	\$138
September	145	67	100%	350	2	\$0.056	22	0.11	\$12.51	26	\$5.23	\$431
October	414	6	100%	343	1	\$0.055	64	0.15	\$12.51	20	\$5.23	\$900
November	775	0	100%	297	0	\$0.051	119	0.15	\$12.51	22	\$5.23	\$1,611
December	914	0	100%	370	0	\$0.051	140	0.15	\$12.51	22	\$5.23	\$1,880
1st half yr	2251	660		2,145	1	\$0.055	346	0.12	\$12.51	125	\$4.57	\$5,015
January	1141	0	100%	45,049	39	\$0.044	175	0.15	\$12.51	23	\$5.23	\$4,266
February	1034	0	100%	90,467	87	\$0.045	159	0.15	\$12.51	22	\$5.23	\$6,121
March	971	0	100%	76,813	79	\$0.043	149	0.15	\$12.51	23	\$5.23	\$5,317
April	550	0	100%	76,813	140	\$0.048	85	0.15	\$12.51	22	\$5.23	\$4,884
May	157	94	100%	74,063	295	\$0.050	24	0.10	\$12.51	9	\$5.23	\$4,129
June	31	162	100%	76,631	397	\$0.048	5	0.02	\$12.51	13	\$5.23	\$3,855
2nd half yr	3884	256		439,835	106	\$0.046	597	0.14	\$12.51	111	\$5.97	\$28,572
TOTAL/YEAR	6135	916		441,979	63	\$0.047	943	0.13	\$12.51	236	\$5.23	\$35,588

Building Data:	1935	Energy Consumption to BTU Conversions	BTU's x 1,000	1,508,475	Energy Utilization Index =
Gross Area (ft)2	16,767	Electricity = KWH X 3413			
Gross Volume (ft)3	134,136	Steam = M (lbs) X 1,000,000	942,750	Total BTU Consumption/Yr	2,475,434,976
General Notes:		Natural Gas = MCF X 102,500	24,211	Gross Area (ft) 2	16,767
		Other Fuel	0	Divided by 100,000 =	1.4764
		TOTAL BTU's x 1,000	2,475,435		THERMS

COST / SQ. FT. / YEAR \$2.00
 WATER / SQ. FT. / YEAR \$0.11

BUILDING: MackKinnon Hall
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	13,844	34	\$0.052	\$722	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$722
August	3	184	100%	13,932	75	\$0.062	\$863	1	0.01	\$12.51	\$14	0	\$4.50	\$0	\$877
September	145	67	100%	11,064	52	\$0.056	\$615	56	0.26	\$12.51	\$695	0	\$4.50	\$0	\$1,310
October	414	6	100%	11,757	28	\$0.055	\$652	159	0.38	\$12.51	\$1,983	0	\$4.50	\$0	\$2,636
November	775	0	100%	11,095	14	\$0.051	\$562	297	0.38	\$12.51	\$3,713	0	\$4.50	\$0	\$4,274
December	914	0	100%	13,233	14	\$0.051	\$672	350	0.38	\$12.51	\$4,379	0	\$4.50	\$0	\$5,051
1st half yr	2251	660		74,925	26	\$0.055	\$4,086	862	0.30	\$12.51	\$10,784	0	\$4.50	\$0	\$14,870
January	1141	0	100%	11,767	10	\$0.044	\$517	437	0.38	\$12.51	\$5,466	0	\$4.50	\$0	\$5,983
February	1034	0	100%	11,178	11	\$0.045	\$498	396	0.38	\$12.51	\$4,954	0	\$4.50	\$0	\$5,452
March	971	0	100%	12,570	13	\$0.043	\$546	372	0.38	\$12.51	\$4,652	0	\$4.50	\$0	\$5,198
April	550	0	100%	12,987	24	\$0.048	\$629	211	0.38	\$12.51	\$2,635	0	\$4.50	\$0	\$3,264
May	157	94	100%	12,866	51	\$0.050	\$648	60	0.24	\$12.51	\$752	0	\$4.50	\$0	\$1,400
June	31	162	100%	12,969	67	\$0.048	\$617	12	0.06	\$12.51	\$149	0	\$4.50	\$0	\$765
2nd half yr	3884	256		74,336	18	\$0.046	\$3,455	1,487	0.36	\$12.51	\$18,607	0	\$4.50	\$0	\$22,062
TOTAL/YEAR	6135	916		149,261	21	\$0.051	\$7,541	2,350	0.33	\$12.51	\$29,391	0	\$4.50	\$0	\$36,932

Building Data:	1938	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	41,787	Electricity = KWH X 3413	509,428
Gross Volume (ft)3	334,296	Steam = M (lbs) X 1,000,000	2,349,537
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,858,965

Energy Utilization Index =
 Total BTU Consumption/Yr 2,858,965,010
 Gross Area (ft) 2 41,787
 Divided by 100,000 = 0.6842 THERMS

COST / SQ. FT. / YEAR \$0.88
 WATER / SQ. FT. / YEAR \$0.20

BUILDING: McComas Village
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)			ELECTRICITY		TOTAL	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	@20 Gal/Hr TOTAL
July	0	403	100%	33,431	83	\$0.052	\$1,744	2	0.01	\$171.76	0	\$4.50	\$0	\$2,139
August	3	184	100%	80,052	428	\$0.062	\$4,956	54	0.29	\$12.49	0	\$4.50	\$0	\$5,624
September	145	67	100%	76,410	360	\$0.056	\$4,248	85	0.40	\$6.39	0	\$4.50	\$0	\$4,789
October	414	6	100%	66,167	158	\$0.055	\$3,672	153	0.36	\$3.35	0	\$4.50	\$0	\$4,183
November	775	0	100%	56,127	72	\$0.051	\$2,841	308	0.40	\$3.19	0	\$4.50	\$0	\$3,822
December	914	0	100%	46,774	51	\$0.051	\$2,376	473	0.52	\$2.91	0	\$4.50	\$0	\$3,750
1st half yr	2251	660		358,960	123	\$0.055	\$19,837	1,073	0.37	\$4.16	0	\$4.50	\$0	\$24,307
January	1141	0	100%	57,123	50	\$0.044	\$2,508	641	0.56	\$3.16	0	\$4.50	\$0	\$4,535
February	1034	0	100%	61,849	60	\$0.045	\$2,757	925	0.89	\$3.13	0	\$4.50	\$0	\$5,647
March	971	0	100%	61,832	64	\$0.043	\$2,686	892	0.92	\$3.79	0	\$4.50	\$0	\$6,068
April	550	0	100%	58,914	107	\$0.048	\$2,855	987	1.79	\$4.68	0	\$4.50	\$0	\$7,476
May	157	94	100%	24,642	98	\$0.050	\$1,241	668	2.66	\$5.67	0	\$4.50	\$0	\$5,024
June	31	162	100%	18,590	96	\$0.048	\$684	840	4.35	\$3.61	0	\$4.50	\$0	\$3,916
2nd half yr	3884	256		282,949	68	\$0.046	\$12,931	4,951	1.20	\$3.99	0	\$4.50	\$0	\$32,666
TOTAL/YEAR	6135	916		641,910	91	\$0.051	\$32,768	6,025	0.85	\$4.02	0	\$4.50	\$0	\$56,973

Building Data:	1980	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	124,533	Electricity = KWH X 3413	2,190,837
Gross Volume (ft)3	966,264	Natural Gas = MCF X 102,500	617,532
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,808,369

Energy Utilization Index =
 Total BTU Consumption/Yr 2,808,368,874
 Gross Area (ft) 2 124,533
 Divided by 100,000 = 0.2255 THERMS

COST / SQ. FT. / YEAR \$0.46

WATER / SQ. FT. / YEAR \$0.30

BUILDING: McMaster Hall
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	M (LBS)	PURCHASED STEAM		TOTAL	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	403	100%	96,021	238	\$0.052	0	0.00	\$12.51	0	\$4.50	\$0
August	3	184	100%	93,432	500	\$0.062	2	0.01	\$12.51	0	\$4.50	\$5,010
September	145	67	100%	92,041	434	\$0.056	89	0.42	\$12.51	0	\$4.50	\$5,808
October	414	6	100%	103,236	246	\$0.055	255	0.61	\$12.51	0	\$4.50	\$6,234
November	775	0	100%	95,832	124	\$0.051	477	0.62	\$12.51	0	\$4.50	\$0
December	914	0	100%	110,847	121	\$0.051	563	0.62	\$12.51	0	\$4.50	\$8,918
1st half yr	2251	660		591,409	203	\$0.054	1,386	0.48	\$12.51	0	\$4.50	\$10,822
January	1141	0	100%	100,223	88	\$0.044	703	0.62	\$12.51	0	\$4.50	\$12,671
February	1034	0	100%	101,807	98	\$0.045	637	0.62	\$12.51	0	\$4.50	\$0
March	971	0	100%	110,072	113	\$0.043	598	0.62	\$12.51	0	\$4.50	\$13,190
April	550	0	100%	107,115	195	\$0.048	339	0.62	\$12.51	0	\$4.50	\$12,504
May	157	94	100%	99,871	398	\$0.050	97	0.39	\$12.51	0	\$4.50	\$0
June	31	162	100%	95,119	493	\$0.048	19	0.10	\$12.51	0	\$4.50	\$9,429
2nd half yr	3884	256		614,207	148	\$0.046	2,392	0.58	\$12.51	0	\$4.50	\$6,239
TOTAL/YEAR	6135	916		1,205,616	171	\$0.050	3,778	0.54	\$12.51	0	\$4.50	\$4,761

Building Data:	1987	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	67,194	Electricity = KWH X 3413	4,114,767
Gross Volume (ft)3	537,552	Steam = M (lbs) X 1,000,000	3,778,083
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	7,892,850

Energy Utilization Index =		Total BTU Consumption/Yr	7,892,850,151
		Gross Area (ft) 2	67,194
		Divided by 100,000 =	1.1746
			THERMS
COST / SQ. FT. / YEAR	\$1.60		
WATER / SQ. FT. / YEAR	\$0.09		

BUILDING: Memorial Field House
FY YEAR: 2013

DATE : 09/13/14

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	403	100%	116,747	290	\$0.052	\$6,091	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$6,091
August	3	184	100%	112,816	603	\$0.062	\$6,984	4	0.02	\$12.51	\$54	0	\$4.50	\$0	\$7,038
September	145	67	100%	111,491	526	\$0.056	\$6,198	207	0.98	\$12.51	\$2,595	0	\$4.50	\$0	\$8,792
October	414	6	100%	114,553	273	\$0.055	\$6,357	592	1.41	\$12.51	\$7,408	0	\$4.50	\$0	\$13,765
November	775	0	100%	103,213	133	\$0.051	\$5,225	1,109	1.43	\$12.51	\$13,867	0	\$4.50	\$0	\$19,092
December	914	0	100%	107,757	118	\$0.051	\$5,473	1,307	1.43	\$12.51	\$16,354	0	\$4.50	\$0	\$21,827
1st half yr	2251	660		666,576	229	\$0.054	\$36,328	3,220	1.11	\$12.51	\$40,277	0	\$4.50	\$0	\$76,606
January	1141	0	100%	102,025	89	\$0.044	\$4,480	1,632	1.43	\$12.51	\$20,416	0	\$4.50	\$0	\$24,896
February	1034	0	100%	103,267	100	\$0.045	\$4,603	1,479	1.43	\$12.51	\$18,502	0	\$4.50	\$0	\$23,105
March	971	0	100%	110,302	114	\$0.043	\$4,791	1,389	1.43	\$12.51	\$17,374	0	\$4.50	\$0	\$22,165
April	550	0	100%	107,289	195	\$0.048	\$5,200	787	1.43	\$12.51	\$9,841	0	\$4.50	\$0	\$15,041
May	157	94	100%	111,541	444	\$0.050	\$5,618	225	0.89	\$12.51	\$2,809	0	\$4.50	\$0	\$8,427
June	31	162	100%	89,747	465	\$0.048	\$4,267	44	0.23	\$12.51	\$555	0	\$4.50	\$0	\$4,821
2nd half yr	3884	256		624,171	151	\$0.046	\$28,958	5,556	1.34	\$12.51	\$69,497	0	\$4.50	\$0	\$98,455
TOTAL/YEAR	6135	916		1,290,747	183	\$0.051	\$65,287	8,775	1.24	\$12.51	\$109,775	0	\$4.50	\$0	\$175,061

Building Data:	1931	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	156,074	Electricity = KWH X 3413	4,405,318
Gross Volume (ft)3	1,248,592	Steam = M (lbs) X 1,000,000	8,775,494
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	13,180,812

Energy Utilization Index =	
Total BTU Consumption/Yr	13,180,812.421
Gross Area (ft)2	156,074
Divided by 100,000 =	0.8445
THERMS	

COST / SQ. FT. / YEAR \$1.12
WATER / SQ. FT. / YEAR \$0.07

DATE : 09/13/14

BUILDING: Nitschke Hall
FY YEAR: 2013

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	403	100%	287,063	712	\$0.052	\$14,976	0	0.00	\$12.51	\$0	\$4.50	\$0
August	3	184	100%	261,176	1,397	\$0.062	\$16,170	4	0.02	\$12.51	\$45	\$4.50	\$0
September	145	67	100%	204,664	965	\$0.056	\$11,378	176	0.83	\$12.51	\$2,197	\$4.50	\$0
October	414	6	100%	158,668	378	\$0.055	\$8,806	501	1.19	\$12.51	\$6,273	\$4.50	\$0
November	775	0	100%	132,407	171	\$0.051	\$6,703	939	1.21	\$12.51	\$11,742	\$4.50	\$0
December	914	0	100%	138,510	152	\$0.051	\$7,035	1,107	1.21	\$12.51	\$13,848	\$4.50	\$0
1st half yr	2251	660		1,182,488	406	\$0.055	\$85,067	2,726	0.94	\$12.51	\$34,106	\$4.50	\$0
January	1141	0	100%	115,948	102	\$0.044	\$5,091	1,382	1.21	\$12.51	\$17,288	\$4.50	\$0
February	1034	0	100%	113,454	110	\$0.045	\$5,057	1,252	1.21	\$12.51	\$15,667	\$4.50	\$0
March	971	0	100%	133,641	138	\$0.043	\$5,804	1,176	1.21	\$12.51	\$14,712	\$4.50	\$0
April	550	0	100%	152,804	278	\$0.048	\$7,406	666	1.21	\$12.51	\$8,333	\$4.50	\$0
May	157	94	100%	196,426	783	\$0.050	\$9,893	190	0.76	\$12.51	\$2,379	\$4.50	\$0
June	31	162	100%	229,370	1,188	\$0.048	\$10,905	38	0.19	\$12.51	\$470	\$4.50	\$0
2nd half yr	3884	256		941,643	227	\$0.047	\$44,157	4,704	1.14	\$12.51	\$58,848	\$4.50	\$0
TOTAL/YEAR	6135	916		2,124,131	301	\$0.051	\$109,223	7,431	1.05	\$12.51	\$92,954	\$4.50	\$0

Building Data:	1993	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	132,159	Electricity = KWH X 3413		7,249,660
Gross Volume (ft)3	1,057,272	Steam = M (lbs) X 1,000,000		7,430,837
General Notes:		Fuel Oil = Gallons X 138,690		0
		Other Fuel		0
		TOTAL BTU's x 1,000		14,680,498

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{14,680,497.781}{132,159}$$

Divided by 100,000 = 1.1108 THERMS

COST / SQ. FT. / YEAR \$1.53

WATER / SQ. FT. / YEAR \$0.18

BUILDING: Nitschke Technology Commercialization Complex
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	28,931	72	\$0.052	\$1,509	12	0.03	\$5.95	73	0	\$4.50	\$0	\$1,582
August	3	184	100%	26,377	141	\$0.062	\$1,633	34	0.18	\$6.83	230	0	\$4.50	\$0	\$1,863
September	145	67	100%	18,857	89	\$0.056	\$1,048	30	0.14	\$5.71	171	0	\$4.50	\$0	\$1,220
October	414	6	100%	27,990	67	\$0.055	\$1,553	25	0.06	\$3.84	97	0	\$4.50	\$0	\$1,650
November	775	0	100%	61,356	79	\$0.051	\$3,106	32	0.04	\$4.71	149	0	\$4.50	\$0	\$3,255
December	914	0	100%	99,353	109	\$0.051	\$5,046	31	0.03	\$4.14	129	0	\$4.50	\$0	\$5,175
1st half yr	2251	660		262,864	90	\$0.053	\$13,896	164	0.06	\$5.18	\$848	0	\$4.50	\$0	\$14,744
January	1141	0	100%	99,353	87	\$0.044	\$4,363	35	0.03	\$3.56	124	0	\$4.50	\$0	\$4,486
February	1034	0	100%	99,353	96	\$0.045	\$4,429	42	0.04	\$3.49	145	0	\$4.50	\$0	\$4,574
March	971	0	100%	66,098	68	\$0.043	\$2,871	39	0.04	\$4.25	165	0	\$4.50	\$0	\$3,036
April	550	0	100%	37,179	68	\$0.048	\$1,802	40	0.07	\$4.90	197	0	\$4.50	\$0	\$1,999
May	157	94	100%	31,448	125	\$0.050	\$1,584	38	0.15	\$4.19	159	0	\$4.50	\$0	\$1,743
June	31	162	100%	41,168	213	\$0.048	\$1,957	36	0.19	\$3.96	143	0	\$4.50	\$0	\$2,100
2nd half yr	3884	256		374,599	90	\$0.045	\$17,005	229	0.06	\$4.07	\$932	0	\$4.50	\$0	\$17,938
TOTAL/YEAR	6135	916		637,463	90	\$0.048	\$30,901	393	0.06	\$4.53	\$1,781	0	\$4.50	\$0	\$32,682

Building Data:	2010	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	39,961	Electricity = KWH X 3413	2,175,661
Gross Volume (ft)3	319,688	Natural Gas = MCF X 102,500	40,303
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,215,964

Energy Utilization Index =
 Total BTU Consumption/Yr 2,215,964,219
 Gross Area (ft) 2 39,961
 Divided by 100,000 = 0.5545 THERMS

COST / SQ. FT. / YEAR \$0.82
 WATER / SQ. FT. / YEAR \$0.11

BUILDING: North Engineering
FY YEAR: 2013
DATE: 09/13/14

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	FUEL OIL		
													Cost per @20 GallHr TOTAL	Cost per Gal	
July	0	403	100%	353,253	877	\$0.052	\$18,430	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$18,430
August	3	184	100%	350,509	1,874	\$0.062	\$21,700	7	0.04	\$12.51	\$87	0	\$4.50	\$0	\$21,787
September	145	67	100%	321,113	1,515	\$0.056	\$17,851	336	1.59	\$12.51	\$4,204	0	\$4.50	\$0	\$22,055
October	414	6	100%	283,558	675	\$0.055	\$15,737	960	2.28	\$12.51	\$12,003	0	\$4.50	\$0	\$27,740
November	775	0	100%	240,864	311	\$0.051	\$12,193	1,796	2.32	\$12.51	\$22,470	0	\$4.50	\$0	\$34,663
December	914	0	100%	272,869	299	\$0.051	\$13,859	2,118	2.32	\$12.51	\$26,500	0	\$4.50	\$0	\$40,359
1st half yr	2251	660		1,822,187	626	\$0.055	\$99,770	5,217	1.79	\$12.51	\$65,264	0	\$4.50	\$0	\$165,034
January	1141	0	100%	239,954	210	\$0.044	\$10,536	2,645	2.32	\$12.51	\$33,081	0	\$4.50	\$0	\$43,617
February	1034	0	100%	246,955	239	\$0.045	\$11,008	2,397	2.32	\$12.51	\$28,979	0	\$4.50	\$0	\$40,987
March	971	0	100%	274,562	283	\$0.043	\$11,925	2,251	2.32	\$12.51	\$28,152	0	\$4.50	\$0	\$40,077
April	550	0	100%	265,495	483	\$0.048	\$12,868	1,275	2.32	\$12.51	\$15,946	0	\$4.50	\$0	\$28,814
May	157	94	100%	442,688	1,764	\$0.050	\$22,295	364	1.45	\$12.51	\$4,552	0	\$4.50	\$0	\$26,847
June	31	162	100%	442,688	2,294	\$0.048	\$21,046	72	0.37	\$12.51	\$899	0	\$4.50	\$0	\$21,945
2nd half yr	3884	256		1,912,342	462	\$0.047	\$89,679	9,002	2.17	\$12.51	\$112,609	0	\$4.50	\$0	\$202,288
TOTAL/YEAR	6135	916		3,734,528	530	\$0.051	\$189,449	14,219	2.02	\$12.51	\$177,873	0	\$4.50	\$0	\$367,322

Building Data:	1954	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	252,894	Electricity = KWH X 3413	12,745,945
Gross Volume (ft)3	2,023,152	Steam = M (lbs) X 1,000,000	14,219,343
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	26,965,288

Energy Utilization Index =
 Total BTU Consumption/Yr 26,965,288,466
 Gross Area (ft) 2 252,894
 Divided by 100,000 = 1.0663 THERMS

COST / SQ. FT. / YEAR \$1.45
 WATER / SQ. FT. / YEAR \$0.18

BUILDING: Ottawa House E&W
FY YEAR: 2013
DATE: 09/13/14

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	403	100%	148,271	368	\$0.052	\$7,736	0	0.00	\$12.51	\$0	147	\$4.09	337	\$8,073
August	3	184	100%	222,082	1,188	\$0.062	\$13,749	7	0.04	\$12.51	\$93	176	\$4.09	853	\$14,495
September	145	67	100%	237,815	1,122	\$0.056	\$13,221	361	1.70	\$12.51	\$4,510	466	\$4.09	1,648	\$19,379
October	414	6	100%	245,164	584	\$0.055	\$13,606	1,029	2.45	\$12.51	\$12,876	543	\$4.09	1,407	\$27,889
November	775	0	100%	234,514	303	\$0.051	\$11,872	1,927	2.49	\$12.51	\$24,104	764	\$4.09	2,783	\$38,759
December	914	0	100%	215,039	235	\$0.051	\$10,921	2,273	2.49	\$12.51	\$28,428	908	\$4.09	3,517	\$42,866
1st half yr	2251	660		1,302,885	448	\$0.055	\$71,104	5,597	1.92	\$12.51	\$70,012	3,003	\$3.45	\$10,345	\$151,461
January	1141	0	100%	214,299	188	\$0.044	\$9,410	2,837	2.49	\$12.51	\$35,488	635	\$4.09	3,373	\$48,270
February	1034	0	100%	214,870	208	\$0.045	\$9,578	2,571	2.49	\$12.51	\$32,160	1,003	\$4.09	4,046	\$45,784
March	971	0	100%	254,650	262	\$0.043	\$11,060	2,414	2.49	\$12.51	\$30,201	575	\$4.09	1,828	\$43,089
April	550	0	100%	254,650	463	\$0.048	\$12,343	1,368	2.49	\$12.51	\$17,106	951	\$4.09	4,242	\$33,691
May	157	94	100%	160,956	641	\$0.050	\$8,106	390	1.56	\$12.51	\$4,893	708	\$4.09	3,212	\$16,202
June	31	162	100%	152,239	789	\$0.048	\$7,238	77	0.40	\$12.51	\$964	474	\$4.09	3,027	\$11,229
2nd half yr	3884	256		1,251,664	302	\$0.046	\$57,735	9,657	2.33	\$12.51	\$120,802	4,345	\$4.54	\$19,727	\$198,264
TOTAL/YEAR	6135	916		2,554,549	362	\$0.050	\$128,839	15,254	2.16	\$12.51	\$190,814	7,348	\$4.09	\$30,072	\$349,725

Building Data:	2005	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	271,293	Electricity = KWH X 3413		8,718,675
Gross Volume (ft)3	2,170,344	Steam = M (lbs) X 1,000,000		15,253,954
General Notes:		Natural Gas = MCF X 102,500		753,139
		Other Fuel		0
		TOTAL BTU's x 1,000		24,725,669

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft}^2\text{)}} = \frac{24,725,668,731}{271,293}$$

$$\text{Divided by } 100,000 = 0.9114$$

THERMS

COST / SQ. FT. / YEAR \$1.29

WATER / SQ. FT. / YEAR \$0.21

BUILDING: Palmer Hall
FY YEAR: 2013

DATE : 09/13/14

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	403	100%	148,452	368	\$0.052	\$7,745	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$7,745
August	3	184	100%	141,132	755	\$0.062	\$8,738	2	0.01	\$12.51	\$23	0	\$4.50	\$0	\$8,761
September	145	67	100%	129,000	608	\$0.056	\$7,171	89	0.42	\$12.51	\$1,114	0	\$4.50	\$0	\$8,286
October	414	6	100%	110,798	264	\$0.055	\$6,149	254	0.61	\$12.51	\$3,182	0	\$4.50	\$0	\$9,331
November	775	0	100%	79,770	103	\$0.051	\$4,038	476	0.61	\$12.51	\$5,957	0	\$4.50	\$0	\$9,995
December	914	0	100%	82,806	91	\$0.051	\$4,205	562	0.61	\$12.51	\$7,025	0	\$4.50	\$0	\$11,230
1st half yr	2251	660		691,958	238	\$0.055	\$38,046	1,383	0.48	\$12.51	\$17,301	0	\$4.50	\$0	\$55,347
January	1141	0	100%	77,331	68	\$0.044	\$3,396	701	0.61	\$12.51	\$8,770	0	\$4.50	\$0	\$12,165
February	1034	0	100%	84,797	82	\$0.045	\$3,780	635	0.61	\$12.51	\$7,947	0	\$4.50	\$0	\$11,727
March	971	0	100%	89,692	92	\$0.043	\$3,896	597	0.61	\$12.51	\$7,463	0	\$4.50	\$0	\$11,359
April	550	0	100%	95,956	174	\$0.048	\$4,651	338	0.61	\$12.51	\$4,227	0	\$4.50	\$0	\$8,878
May	157	94	100%	116,014	462	\$0.050	\$5,843	96	0.38	\$12.51	\$1,207	0	\$4.50	\$0	\$7,049
June	31	162	100%	124,949	647	\$0.048	\$5,940	19	0.10	\$12.51	\$238	0	\$4.50	\$0	\$6,179
2nd half yr	3884	256		588,739	142	\$0.047	\$27,505	2,386	0.58	\$12.51	\$29,852	0	\$4.50	\$0	\$57,357
TOTAL/YEAR	6135	916		1,280,696	182	\$0.051	\$65,552	3,769	0.53	\$12.51	\$47,153	0	\$4.50	\$14,623	\$127,327

Building Data:	1971	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	67,040	Electricity = KWH X 3413		4,371,016
Gross Volume (ft)3	536,320	Steam = M (lbs) X 1,000,000		3,769,424
General Notes:		Fuel Oil = Gallons X 138,690		0
		Other Fuel		0
		TOTAL BTU's x 1,000		8,140,440

Energy Utilization Index =	
Total BTU Consumption/Yr	8,140,439,994
Gross Area (ft) 2	67,040
Divided by 100,000 =	1.2143
	THERMS

COST / SQ. FT. /YEAR \$1.90

WATER / SQ. FT. /YEAR \$0.18

BUILDING: Parks Tower
 FY YEAR: 2013
 DATE : 09/13/14

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	403	100%	72,786	181	\$0.052	\$3,797	0	0.00	\$12.51	\$0	42	\$3.93	205	\$4,002
August	3	184	100%	184,499	1,040	\$0.062	\$12,042	5	0.02	\$12.51	\$57	26	\$3.93	145	\$12,244
September	145	67	100%	227,452	1,073	\$0.056	\$12,645	221	1.04	\$12.51	\$2,763	35	\$3.93	188	\$15,596
October	414	6	100%	240,825	573	\$0.055	\$13,354	631	1.50	\$12.51	\$7,889	362	\$3.93	1,531	\$22,774
November	775	0	100%	207,472	268	\$0.051	\$10,503	1,181	1.52	\$12.51	\$14,768	902	\$3.93	3,811	\$29,082
December	914	0	100%	200,632	220	\$0.051	\$10,190	1,392	1.52	\$12.51	\$17,417	74	\$3.93	239	\$27,846
1st half yr	2251	660		1,143,466	393	\$0.055	\$62,530	3,429	1.18	\$12.51	\$42,894	1,441	\$4.25	\$6,119	\$111,543
January	1141	0	100%	202,446	177	\$0.044	\$8,889	1,738	1.52	\$12.51	\$21,742	468	\$3.93	1,787	\$32,419
February	1034	0	100%	206,086	199	\$0.045	\$9,187	1,575	1.52	\$12.51	\$19,703	156	\$3.93	573	\$29,463
March	971	0	100%	216,894	223	\$0.043	\$9,420	1,479	1.52	\$12.51	\$18,503	254	\$3.93	838	\$28,762
April	550	0	100%	216,040	393	\$0.048	\$10,471	838	1.52	\$12.51	\$10,481	228	\$3.93	812	\$21,764
May	157	94	100%	154,102	614	\$0.050	\$7,761	239	0.95	\$12.51	\$2,992	136	\$3.93	431	\$11,184
June	31	162	100%	149,207	773	\$0.048	\$7,094	47	0.24	\$12.51	\$591	136	\$3.93	507	\$8,191
2nd half yr	3884	256		1,144,774	277	\$0.046	\$52,822	5,917	1.43	\$12.51	\$74,012	1,378	\$3.59	\$4,949	\$131,782
TOTAL/YEAR	6135	916		2,288,240	325	\$0.050	\$115,352	9,346	1.33	\$12.51	\$116,906	2,819	\$3.93	\$11,068	\$243,326

Building Data:	1971	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	166,213	Electricity = KWH X 3413		7,809,762
Gross Volume (ft)3	1,329,704	Steam = M (lbs) X 1,000,000		9,345,574
General Notes:		Natural Gas = MCF X 102,500		288,948
		Other Fuel		0
		TOTAL BTU's x 1,000		17,444,284

Energy Utilization Index =	
Total BTU Consumption/Yr	17,444,284,301
Gross Area (ft) 2	166,213
Divided by 100,000 =	1.0495
	THERMS

COST / SQ. FT. / YEAR \$1.46
 WATER / SQ. FT. / YEAR \$0.49

BUILDING: Peterson House
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	2,460	6	\$0.052	\$128	1	0.00	\$45.70	\$45.70	23	0	\$4.50	\$0	\$151
August	3	184	100%	2,080	11	\$0.062	\$129	1	0.01	\$24.55	\$24.55	27	0	\$4.50	\$0	\$156
September	145	67	100%	1,335	6	\$0.056	\$74	1	0.00	\$26.32	\$26.32	26	0	\$4.50	\$0	\$101
October	414	6	100%	1,335	3	\$0.055	\$74	4	0.01	\$6.82	\$6.82	27	0	\$4.50	\$0	\$101
November	775	0	100%	1,330	2	\$0.051	\$67	11	0.01	\$2.64	\$2.64	28	0	\$4.50	\$0	\$95
December	914	0	100%	1,870	2	\$0.051	\$95	19	0.02	\$2.63	\$2.63	49	0	\$4.50	\$0	\$144
1st half yr	2251	660		10,410	4	\$0.055	\$568	36	0.01	\$5.03	\$5.03	180	0	\$4.50	\$0	\$748
January	1141	0	100%	2,570	2	\$0.044	\$113	34	0.03	\$2.84	\$2.84	97	0	\$4.50	\$0	\$209
February	1034	0	100%	2,110	2	\$0.045	\$94	40	0.04	\$3.44	\$3.44	138	0	\$4.50	\$0	\$232
March	971	0	100%	873	1	\$0.043	\$38	44	0.05	\$4.41	\$4.41	193	0	\$4.50	\$0	\$231
April	550	0	100%	873	2	\$0.048	\$42	39	0.07	\$5.07	\$5.07	196	0	\$4.50	\$0	\$239
May	157	94	100%	873	3	\$0.050	\$44	25	0.10	\$6.27	\$6.27	159	0	\$4.50	\$0	\$203
June	31	162	100%	2,110	11	\$0.048	\$100	16	0.08	\$7.65	\$7.65	123	0	\$4.50	\$0	\$224
2nd half yr	3884	256		9,410	2	\$0.046	\$431	198	0.05	\$4.58	\$4.58	\$906	0	\$4.50	\$0	\$1,337
TOTAL/YEAR	6135	916		19,820	3	\$0.089	\$1,757	234	0.03	\$4.65	\$4.65	\$1,086	0	\$4.50	\$0	\$2,843

Building Data:	1936	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	4,316	Electricity = KWH X 3413	67,646	
Gross Volume (ft)3	34,528	Natural Gas = MCF X 102,500	23,954	Total BTU Consumption/Yr 91,599,910
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft)2 4,316
		Other Fuel	0	Divided by 100,000 = 0.2122 THERMS
		TOTAL BTU's x 1,000	91,600	

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

BUILDING: Plant Operations
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	30,056	75	\$0.052	\$1,568	11	0.04	\$27.01	0	\$4.50	\$0	\$1,973	
August	3	184	100%	27,078	145	\$0.062	\$1,676	6	0.05	\$41.52	0	\$4.50	\$0	\$2,050	
September	145	67	100%	22,847	108	\$0.056	\$1,270	4	0.03	\$59.79	0	\$4.50	\$0	\$1,629	
October	414	6	100%	25,287	60	\$0.055	\$1,403	6	0.02	\$41.31	0	\$4.50	\$0	\$1,775	
November	775	0	100%	25,786	33	\$0.051	\$1,305	35	0.06	\$11.41	0	\$4.50	\$0	\$1,876	
December	914	0	100%	30,860	34	\$0.051	\$1,567	125	0.19	\$5.54	0	\$4.50	\$0	\$2,548	
1st half yr	2251	680		161,913	56	\$0.054	\$8,791	187	0.06	\$11.50	0	\$4.50	\$0	\$10,943	
January	1141	0	100%	29,269	26	\$0.044	\$1,285	262	0.33	\$5.16	0	\$4.50	\$0	\$3,211	
February	1034	0	100%	30,458	29	\$0.045	\$1,358	419	0.58	\$4.59	0	\$4.50	\$0	\$4,094	
March	971	0	100%	33,193	34	\$0.043	\$1,442	537	0.79	\$4.23	0	\$4.50	\$0	\$4,666	
April	550	0	100%	25,183	46	\$0.048	\$1,221	478	1.23	\$4.50	0	\$4.50	\$0	\$4,278	
May	157	94	100%	22,531	90	\$0.050	\$1,135	359	2.04	\$4.16	0	\$4.50	\$0	\$3,258	
June	31	162	100%	24,307	126	\$0.048	\$1,156	130	0.96	\$5.55	0	\$4.50	\$0	\$2,183	
2nd half yr	3884	256		164,940	40	\$0.046	\$7,595	2,186	0.53	\$4.54	0	\$4.50	\$0	\$17,511	
TOTAL/YEAR	6135	916		326,853	46	\$0.050	\$16,386	2,373	0.34	\$5.09	0	\$4.50	\$0	\$28,454	

Building Data:	1995	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	30,861	Electricity = KWH X 3413	1,115,548
Gross Volume (ft)3	246,888	Natural Gas = MCF X 102,500	243,211
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,358,759

Energy Utilization Index =
 Total BTU Consumption/Yr 1,358,758,903
 Gross Area (ft)2 30,861
 Divided by 100,000 = 0.4403 THERMS

COST / SQ. FT. /YEAR \$0.92

WATER / SQ. FT. /YEAR \$0.16

BUILDING: Research and Technology 1
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	1000 cubic feet (McF)	NATURAL GAS		TOTAL	Load-shed Hours	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	McF per DD	Cost per Mcf			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	403	100%	167,067	415	\$0.052	0.50	\$5.57	\$8,717	0	\$4.50	\$0	\$9,632
August	3	184	100%	178,675	955	\$0.062	0.93	\$6.70	\$11,062	0	\$4.50	\$0	\$12,228
September	145	67	100%	115,814	546	\$0.056	0.76	\$4.88	\$6,438	0	\$4.50	\$0	\$7,224
October	414	6	100%	108,132	257	\$0.055	0.57	\$4.04	\$6,001	0	\$4.50	\$0	\$6,961
November	775	0	100%	103,387	133	\$0.051	0.33	\$4.01	\$5,234	0	\$4.50	\$0	\$6,264
December	914	0	100%	103,802	114	\$0.051	0.50	\$3.84	\$5,272	0	\$4.50	\$0	\$7,015
1st half yr	2251	660		776,907	267	\$0.055	0.51	\$4.58	\$42,724	0	\$4.50	\$0	\$49,523
January	1141	0	100%	103,802	91	\$0.044	0.52	\$3.93	\$4,558	0	\$4.50	\$0	\$6,914
February	1034	0	100%	103,802	100	\$0.045	0.78	\$3.76	\$4,627	0	\$4.50	\$0	\$7,645
March	971	0	100%	119,016	123	\$0.043	0.88	\$3.72	\$5,169	0	\$4.50	\$0	\$8,329
April	550	0	100%	102,996	187	\$0.048	0.75	\$3.81	\$4,992	0	\$4.50	\$0	\$6,555
May	157	94	100%	131,881	525	\$0.050	1.06	\$3.37	\$6,642	0	\$4.50	\$0	\$7,542
June	31	162	100%	152,943	792	\$0.048	1.44	\$2.85	\$7,271	0	\$4.50	\$0	\$8,063
2nd half yr	3884	256		714,439	173	\$0.047	0.77	\$3.68	\$33,259	0	\$4.50	\$0	\$45,048
TOTAL/YEAR	6135	916		1,491,346	212	\$0.051	0.67	\$3.96	\$75,984	0	\$4.50	\$0	\$94,572

Building Data:	1992	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	55,209	Electricity = KWH X 3413	5,089,964
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	5,570,791

Energy Utilization Index =
 Total BTU Consumption/Yr 5,570,791,398
 Gross Area (ft) 2 55,209
 Divided by 100,000 = 1.0090 THERMS

COST / SQ. FT. /YEAR \$1.71

WATER / SQ. FT. /YEAR \$0.05

BUILDING: Ritter
 FY YEAR: 2013
 DATE : 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		M (LBS)	PURCHASED STEAM		FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh		M (Lbs) per DD	Cost per M(Lbs)	Load-shed Hours	Cost per Gal	
July	0	403	100%	18,747	47	0.00	\$12.51	0	\$4.50	\$978
August	3	184	100%	16,934	91	0.00	\$12.51	0	\$4.50	\$1,054
September	145	67	100%	15,028	71	0.10	\$12.51	0	\$4.50	\$1,090
October	414	6	100%	15,719	37	0.14	\$12.51	0	\$4.50	\$1,599
November	775	0	100%	11,578	15	0.14	\$12.51	0	\$4.50	\$1,947
December	914	0	100%	13,889	15	0.14	\$12.51	0	\$4.50	\$2,310
1st half yr	2251	660		91,894	32	0.11	\$12.51	0	\$4.50	\$8,979
January	1141	0	100%	11,442	10	0.14	\$12.51	0	\$4.50	\$2,506
February	1034	0	100%	10,859	11	0.14	\$12.51	0	\$4.50	\$2,300
March	971	0	100%	12,095	12	0.14	\$12.51	0	\$4.50	\$2,230
April	550	0	100%	11,983	22	0.14	\$12.51	0	\$4.50	\$1,547
May	157	94	100%	12,758	51	0.09	\$12.51	0	\$4.50	\$918
June	31	162	100%	16,713	87	0.02	\$12.51	0	\$4.50	\$849
2nd half yr	3884	256		75,849	18	0.13	\$12.51	0	\$4.50	\$10,350
TOTAL/YEAR	6135	916		167,744	24	0.12	\$12.51	0	\$4.50	\$19,329

Building Data:	1965	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	15,317	Electricity = KWH X 3413	572,509
Gross Volume (ft)3	122,536	Steam = M (lbs) X 1,000,000	861,221
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,433,730

Energy Utilization Index =
 Total BTU Consumption/Yr 1,433,730,467
 Gross Area (ft) 2 15,317
 Divided by 100,000 = 0.9360 THERMS

COST / SQ. FT. / YEAR \$1.26
 WATER / SQ. FT. / YEAR \$0.09

BUILDING: Rocket Hall
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	76,978	191	\$0.052	\$4,016	103	0.26	\$7.17	738	0	\$4.50	\$0	\$4,755
August	3	184	100%	98,152	525	\$0.062	\$6,077	77	0.41	\$7.88	607	0	\$4.50	\$0	\$6,683
September	145	67	100%	87,140	411	\$0.056	\$4,844	79	0.37	\$7.60	600	0	\$4.50	\$0	\$5,445
October	414	6	100%	87,040	207	\$0.055	\$4,830	99	0.24	\$6.90	683	0	\$4.50	\$0	\$5,514
November	775	0	100%	89,620	116	\$0.051	\$4,537	174	0.22	\$5.90	1,026	0	\$4.50	\$0	\$5,563
December	914	0	100%	95,146	104	\$0.051	\$4,832	260	0.28	\$4.52	1,176	0	\$4.50	\$0	\$6,008
1st half yr	2251	660		534,076	183	\$0.055	\$29,136	792	0.27	\$6.10	\$4,830	0	\$4.50	\$0	\$33,967
January	1141	0	100%	87,944	77	\$0.044	\$3,862	403	0.35	\$4.87	1,961	0	\$4.50	\$0	\$5,822
February	1034	0	100%	86,877	84	\$0.045	\$3,873	575	0.56	\$4.53	2,603	0	\$4.50	\$0	\$6,475
March	971	0	100%	93,956	97	\$0.043	\$4,081	540	0.56	\$4.32	2,331	0	\$4.50	\$0	\$6,412
April	550	0	100%	89,318	162	\$0.048	\$4,329	463	0.84	\$4.62	2,141	0	\$4.50	\$0	\$6,470
May	157	94	100%	77,763	310	\$0.050	\$3,916	335	1.33	\$4.35	1,457	0	\$4.50	\$0	\$5,373
June	31	162	100%	78,819	408	\$0.048	\$3,747	196	1.02	\$5.21	1,021	0	\$4.50	\$0	\$4,768
2nd half yr	3884	256		514,678	124	\$0.046	\$23,808	2,512	0.61	\$4.58	\$11,513	0	\$4.50	\$0	\$35,321
TOTAL/YEAR	6135	916		1,048,754	149	\$0.050	\$52,944	3,304	0.47	\$4.95	\$16,344	0	\$4.50	\$0	\$69,288

Building Data:	1961	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	109,552	Electricity = KWH X 3413	3,579,397
Gross Volume (ft)3	876,416	Natural Gas = MCF X 102,500	338,660
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,918,057

Energy Utilization Index =
 Total BTU Consumption/Yr 3,918,057,402
 Gross Area (ft) 2 109,552
 Divided by 100,000 = 0.3576 THERMS

COST / SQ. FT. / YEAR \$0.63
 WATER / SQ. FT. / YEAR \$0.12

BUILDING: Savage Hall
FY YEAR: 2013

DATE: 09/13/14

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		FUEL OIL	
														Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	255,131	633	\$0.052	\$13,311	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$13,311
August	3	184	100%	199,840	1,069	\$0.062	\$12,372	5	0.03	\$12.51	\$69	0	\$4.50	\$0	\$12,441
September	145	67	100%	183,560	866	\$0.056	\$10,204	265	1.25	\$12.51	\$3,314	0	\$4.50	\$0	\$13,519
October	414	6	100%	179,664	428	\$0.055	\$9,971	756	1.80	\$12.51	\$9,463	0	\$4.50	\$0	\$19,434
November	775	0	100%	182,159	235	\$0.051	\$9,221	1,416	1.83	\$12.51	\$17,715	0	\$4.50	\$0	\$26,936
December	914	0	100%	207,522	227	\$0.051	\$10,540	1,670	1.83	\$12.51	\$20,892	0	\$4.50	\$0	\$31,432
1st half yr	2251	660		1,207,876	415	\$0.054	\$65,619	4,113	1.41	\$12.51	\$51,453	0	\$4.50	\$0	\$117,072
January	1141	0	100%	200,635	176	\$0.044	\$8,810	2,085	1.83	\$12.51	\$26,081	0	\$4.50	\$0	\$34,891
February	1034	0	100%	233,431	226	\$0.045	\$10,406	1,889	1.83	\$12.51	\$23,635	0	\$4.50	\$0	\$34,041
March	971	0	100%	220,356	227	\$0.043	\$9,571	1,774	1.83	\$12.51	\$22,195	0	\$4.50	\$0	\$31,766
April	550	0	100%	198,557	361	\$0.048	\$9,624	1,005	1.83	\$12.51	\$12,572	0	\$4.50	\$0	\$22,196
May	157	94	100%	168,041	669	\$0.050	\$8,463	287	1.14	\$12.51	\$3,589	0	\$4.50	\$0	\$12,052
June	31	162	100%	185,832	963	\$0.048	\$8,835	57	0.29	\$12.51	\$709	0	\$4.50	\$0	\$9,543
2nd half yr	3884	256		1,206,852	292	\$0.046	\$55,708	7,097	1.71	\$12.51	\$88,780	0	\$4.50	\$0	\$144,488
TOTAL/YEAR	6135	916		2,414,728	342	\$0.050	\$121,327	11,210	1.59	\$12.51	\$140,234	0	\$4.50	\$0	\$261,560

Building Data:	1975	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft2)	199,380	Electricity = KWH X 3413	8,241,467	
Gross Volume (ft3)	1,595,040	Steam = M (lbs) X 1,000,000	11,210,439	Total BTU Consumption/Yr 19,451,905.177
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft2) 199,380
		Other Fuel	0	Divided by 100,000 = 0.9756 THERMS
		TOTAL BTU's x 1,000	19,451,905	

COST / SQ. FT. / YEAR \$1.31

WATER / SQ. FT. / YEAR \$0.02

BUILDING: Scott Tucker Hall
FY YEAR: 2013
DATE: 09/13/14

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	FUEL OIL	
													Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	20,000	50	\$0.052	\$1,043	0	0.00	\$12.51	0	\$4.50	\$0	\$1,043
August	3	184	100%	20,000	107	\$0.062	\$1,238	1	0.01	\$12.51	0	\$4.50	\$0	\$1,253
September	145	67	100%	1,630	8	\$0.056	\$91	57	0.27	\$12.51	0	\$4.50	\$0	\$801
October	414	6	100%	7,540	18	\$0.055	\$418	162	0.39	\$12.51	0	\$4.50	\$0	\$2,446
November	775	0	100%	5,000	6	\$0.051	\$253	303	0.39	\$12.51	0	\$4.50	\$0	\$4,048
December	914	0	100%	20,000	22	\$0.051	\$1,016	358	0.39	\$12.51	0	\$4.50	\$0	\$5,491
1st half yr	2251	660		74,170	25	\$0.055	\$4,060	881	0.30	\$12.51	0	\$4.50	\$0	\$15,082
January	1141	0	100%	20,000	18	\$0.044	\$878	447	0.39	\$12.51	0	\$4.50	\$0	\$6,465
February	1034	0	100%	45,086	44	\$0.045	\$2,010	405	0.39	\$12.51	0	\$4.50	\$0	\$7,073
March	971	0	100%	44,867	46	\$0.043	\$1,949	380	0.39	\$12.51	0	\$4.50	\$0	\$6,703
April	550	0	100%	44,867	82	\$0.048	\$2,175	215	0.39	\$12.51	0	\$4.50	\$0	\$4,868
May	157	94	100%	41,829	167	\$0.050	\$2,107	61	0.24	\$12.51	0	\$4.50	\$0	\$2,875
June	31	162	100%	45,400	235	\$0.048	\$2,158	12	0.06	\$12.51	0	\$4.50	\$0	\$2,310
2nd half yr	3884	256		242,048	58	\$0.047	\$11,276	1,520	0.37	\$12.51	0	\$4.50	\$0	\$30,294
TOTAL/YEAR	6135	916		316,218	45	\$0.048	\$15,336	2,401	0.34	\$12.51	0	\$4.50	\$0	\$45,376

Building Data:	1935	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	42,710	Electricity = KWH X 3413	1,079,252
Gross Volume (ft)3	341,680	Steam = M (lbs) X 1,000,000	2,401,434
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	3,480,686

Energy Utilization Index =
Total BTU Consumption/Yr 3,480,685.623
Gross Area (ft) 2 42,710
Divided by 100,000 = 0.8150 THERMS

COST / SQ. FT. / YEAR \$1.06

WATER / SQ. FT. / YEAR \$0.11

BUILDING: Sculptural Studies
FY YEAR: 2013

DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	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	403	100%	10,300	26	\$0.052	\$537	1	0.00	\$242.73	243	0	\$4.50	\$780
August	3	184	100%	5,500	29	\$0.062	\$341	0	0.00	#DIV/0!	238	0	\$4.50	\$579
September	145	67	100%	5,500	26	\$0.056	\$306	1	0.00	\$244.07	244	0	\$4.50	\$550
October	414	6	100%	5,500	13	\$0.055	\$305	2	0.00	\$124.05	248	0	\$4.50	\$553
November	775	0	100%	7,400	10	\$0.051	\$375	38	0.05	\$11.18	425	0	\$4.50	\$799
December	914	0	100%	9,900	11	\$0.051	\$503	196	0.21	\$4.88	956	0	\$4.50	\$1,459
1st half yr	2251	660		44,100	15	\$0.054	\$2,366	238	0.08	\$9.89	\$2,354	0	\$4.50	\$4,720
January	1141	0	100%	9,200	8	\$0.044	\$404	356	0.31	\$4.96	1,765	0	\$4.50	\$2,169
February	1034	0	100%	9,200	9	\$0.045	\$410	483	0.47	\$4.54	2,191	0	\$4.50	\$2,601
March	971	0	100%	8,500	9	\$0.043	\$369	463	0.48	\$3.96	1,834	0	\$4.50	\$2,204
April	550	0	100%	6,433	12	\$0.048	\$312	527	0.96	\$4.48	2,359	0	\$4.50	\$2,671
May	157	94	100%	6,433	26	\$0.050	\$324	474	1.89	\$4.02	1,907	0	\$4.50	\$2,231
June	31	162	100%	6,433	33	\$0.048	\$306	148	0.77	\$5.43	804	0	\$4.50	\$1,110
2nd half yr	3884	256		46,200	11	\$0.046	\$2,125	2,451	0.59	\$4.43	\$10,861	0	\$4.50	\$12,986
TOTAL/YEAR	6135	916		90,300	13	\$0.151	\$13,640	2,689	0.38	\$4.91	\$13,215	0	\$4.50	\$26,855

Building Data: 1994 Energy Consumption to BTU Conversions

Gross Area (ft)2 7,502 Electricity = KWH X 3413 BTU's x 1,000 308,194

Gross Volume (ft)3 60,016 Natural Gas = MCF X 102,500 275,623

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

Other Fuel 0

TOTAL BTU's x 1,000 583,816

Energy Utilization Index =

Total BTU Consumption/Yr 583,816,400

Gross Area (ft) 2 7,502

Divided by 100,000 = 0.7782 THERMS

COST / SQ. FT. / YEAR \$3.58

WATER / SQ. FT. / YEAR \$0.93

BUILDING: Snyder Memorial
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	M (LBS)	PURCHASED STEAM		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh			M (LBS)	M (LBS) per DD		Load-shed Hours	Cost per Gal	
July	0	403	100%	43,869			0	0.00	\$12.51	0	\$4.50	\$2,289
August	3	184	100%	45,214			1	0.01	\$12.51	0	\$4.50	\$2,816
September	145	67	100%	44,450			64	0.30	\$12.51	0	\$4.50	\$3,268
October	414	6	100%	45,159			182	0.43	\$12.51	0	\$4.50	\$4,782
November	775	0	100%	41,216			341	0.44	\$12.51	0	\$4.50	\$6,347
December	914	0	100%	42,522			402	0.44	\$12.51	0	\$4.50	\$7,184
1st half yr	2251	660		262,430			989	0.34	\$12.51	0	\$4.50	\$26,685
January	1141	0	100%	39,370			501	0.44	\$12.51	0	\$4.50	\$8,001
February	1034	0	100%	42,619			454	0.44	\$12.51	0	\$4.50	\$7,584
March	971	0	100%	46,327			427	0.44	\$12.51	0	\$4.50	\$7,350
April	550	0	100%	44,171			242	0.44	\$12.51	0	\$4.50	\$5,164
May	157	94	100%	44,000			69	0.27	\$12.51	0	\$4.50	\$3,079
June	31	162	100%	44,000			14	0.07	\$12.51	0	\$4.50	\$2,262
2nd half yr	3884	256		260,487			1,707	0.41	\$12.51	0	\$4.50	\$33,439
TOTAL/YEAR	6135	916		522,917			2,696	0.38	\$12.51	0	\$4.50	\$60,124

Building Data:	1959	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft ²)	47,947	Electricity = KWH X 3413	1,784,717	
Gross Volume (ft ³)	383,576	Steam = M (lbs) X 1,000,000	2,695,892	Total BTU Consumption/Yr 4,480,608,486
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft ²) 47,947
		Other Fuel	0	Divided by 100,000 = 0.9345 THERMS
		TOTAL BTU's x 1,000	4,480,608	

COST / SQ. FT. / YEAR \$1.25

WATER / SQ. FT. / YEAR \$0.09

BUILDING: Stranahan Arboretum
FY YEAR: 2013

DATE: 09/13/14

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	403	100%	364	1	\$0.052	1	0.00	\$25.76	0	\$4.50	\$42
August	3	184	100%	435	2	\$0.062	2	0.01	\$19.82	0	\$4.50	\$59
September	145	67	100%	322	2	\$0.056	2	0.01	\$19.46	0	\$4.50	\$47
October	414	6	100%	322	1	\$0.055	6	0.02	\$4.03	0	\$4.50	\$44
November	775	0	100%	559	1	\$0.051	23	0.03	\$1.38	0	\$4.50	\$59
December	914	0	100%	334	0	\$0.051	38	0.04	\$1.90	0	\$4.50	\$88
1st half yr	2251	660		2,335	1	\$0.054	71	0.02	\$3.01	0	\$4.50	\$339
January	1141	0	100%	995	1	\$0.044	64	0.06	\$2.89	0	\$4.50	\$227
February	1034	0	100%	1,134	1	\$0.045	72	0.07	\$3.39	0	\$4.50	\$296
March	971	0	100%	259	0	\$0.043	79	0.08	\$4.06	0	\$4.50	\$332
April	550	0	100%	259	0	\$0.048	74	0.13	\$4.47	0	\$4.50	\$342
May	157	94	100%	259	1	\$0.050	52	0.21	\$5.52	0	\$4.50	\$301
June	31	162	100%	687	4	\$0.048	34	0.18	\$6.90	0	\$4.50	\$269
2nd half yr	3884	256		3,592	1	\$0.046	375	0.09	\$4.28	0	\$4.50	\$1,767
TOTAL/YEAR	6135	916		5,927	1	\$2.524	446	0.06	\$4.08	0	\$4.50	\$16,776

Building Data:	1932	est	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	7,386		Electricity = KWH X 3413	20,229
Gross Volume (ft)3	59,088		Natural Gas = MCF X 102,500	45,664
General Notes:			Fuel Oil = Gallons X 138,690	0
			Other Fuel	0
			TOTAL BTU's x 1,000	65,893

Energy Utilization Index =

Total BTU Consumption/Yr 65,892,601

Gross Area (ft)2 7,386

Divided by 100,000 = 0.0892 THERMS

COST / SQ. FT. / YEAR \$2.27

WATER / SQ. FT. / YEAR \$0.07

BUILDING: Stranahan Hall
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	M (LBS)	PURCHASED STEAM		TOTAL	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	403	100%	138,758	344	\$0.052	0	0.00	\$12.51	0	\$4.50	\$0
August	3	184	100%	136,821	732	\$0.062	3	0.02	\$12.51	0	\$4.50	\$7,239
September	145	67	100%	130,586	616	\$0.056	161	0.76	\$12.51	0	\$4.50	\$8,512
October	414	6	100%	144,185	343	\$0.055	460	1.09	\$12.51	0	\$4.50	\$9,273
November	775	0	100%	131,772	170	\$0.051	860	1.11	\$12.51	0	\$4.50	\$0
December	914	0	100%	162,620	178	\$0.051	1,015	1.11	\$12.51	0	\$4.50	\$13,751
1st half yr	2251	660		844,742	290	\$0.054	2,499	0.86	\$12.51	0	\$4.50	\$17,434
January	1141	0	100%	120,317	105	\$0.044	1,267	1.11	\$12.51	0	\$4.50	\$20,952
February	1034	0	100%	122,586	119	\$0.045	1,148	1.11	\$12.51	0	\$4.50	\$77,162
March	971	0	100%	131,609	136	\$0.043	1,078	1.11	\$12.51	0	\$4.50	\$0
April	550	0	100%	153,409	279	\$0.048	611	1.11	\$12.51	0	\$4.50	\$0
May	157	94	100%	144,323	575	\$0.050	174	0.69	\$12.51	0	\$4.50	\$15,074
June	31	162	100%	146,959	761	\$0.048	34	0.18	\$12.51	0	\$4.50	\$9,449
2nd half yr	3884	256		819,202	198	\$0.047	4,312	1.04	\$12.51	0	\$4.50	\$7,417
TOTAL/YEAR	6135	916		1,663,944	236	\$0.051	6,811	0.97	\$12.51	0	\$4.50	\$92,094

Building Data:	1984	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	121,135	Electricity = KWH X 3413	5,679,040
Gross Volume (ft)3	969,080	Steam = M (lbs) X 1,000,000	6,810,996
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	12,490,037

Energy Utilization Index =		Total BTU Consumption/Yr	12,490,036.625
		Gross Area (ft)2	121,135
Divided by 100,000 =			1.0311
			THERMS
COST / SQ. FT. / YEAR	\$1.40		
WATER / SQ. FT. / YEAR	\$0.09		

BUILDING: Student Medical Center
 FY YEAR: 2013
 DATE : 09/13/14

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		@20 Gall/Hr TOTAL	
														Cost per Gal	
July	0	403	100%	30,846	77	\$0.052	\$1,609	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$1,609
August	3	184	100%	31,320	167	\$0.062	\$1,939	0	0.00	\$12.51	\$4	0	\$4.50	\$0	\$1,943
September	145	67	100%	21,340	101	\$0.056	\$1,186	17	0.08	\$12.51	\$209	0	\$4.50	\$0	\$1,395
October	414	6	100%	16,590	40	\$0.055	\$921	48	0.11	\$12.51	\$597	0	\$4.50	\$0	\$1,517
November	775	0	100%	15,050	19	\$0.051	\$762	89	0.12	\$12.51	\$1,117	0	\$4.50	\$0	\$1,879
December	914	0	100%	17,460	19	\$0.051	\$887	105	0.12	\$12.51	\$1,318	0	\$4.50	\$0	\$2,204
1st half yr	2251	660		132,606	46	\$0.055	\$7,304	259	0.09	\$12.51	\$3,245	0	\$4.50	\$0	\$10,549
January	1141	0	100%	15,050	13	\$0.044	\$661	131	0.12	\$12.51	\$1,645	0	\$4.50	\$0	\$2,306
February	1034	0	100%	14,674	14	\$0.045	\$654	119	0.12	\$12.51	\$1,491	0	\$4.50	\$0	\$2,145
March	971	0	100%	16,281	17	\$0.043	\$707	112	0.12	\$12.51	\$1,400	0	\$4.50	\$0	\$2,107
April	550	0	100%	16,804	31	\$0.048	\$814	63	0.12	\$12.51	\$793	0	\$4.50	\$0	\$1,607
May	157	94	100%	22,488	90	\$0.050	\$1,133	18	0.07	\$12.51	\$226	0	\$4.50	\$0	\$1,359
June	31	162	100%	26,198	136	\$0.048	\$1,245	4	0.02	\$12.51	\$45	0	\$4.50	\$0	\$1,290
2nd half yr	3884	256		111,495	27	\$0.047	\$5,215	448	0.11	\$12.51	\$5,599	0	\$4.50	\$0	\$10,814
TOTAL/YEAR	6135	916		244,101	35	\$0.051	\$12,519	707	0.10	\$12.51	\$8,844	0	\$4.50	\$0	\$21,362

Building Data:	1991	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	12,574	Electricity = KWH X 3413		833,116
Gross Volume (ft)3	100,592	Steam = M (lbs) X 1,000,000		706,992
General Notes:		Fuel Oil = Gallons X 138,690		0
		Other Fuel		0
		TOTAL BTU's x 1,000		1,540,108

Energy Utilization Index =
 Total BTU Consumption/Yr 1,540,107,975
 Gross Area (ft) 2 12,574
 Divided by 100,000 = 1.2248 THERMS

COST / SQ. FT. / YEAR \$1.70
 WATER / SQ. FT. / YEAR \$0.61

BUILDING: Student Rec Center
FY YEAR: 2013

DATE: 09/13/14

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	403	100%	386,839	960	\$0.052	\$20,182	1,240	3.08	\$4.88	6,052	0	\$4.50	\$0	\$26,234
August	3	184	100%	382,226	1,937	\$0.062	\$22,426	808	4.32	\$5.58	4,507	0	\$4.50	\$0	\$29,933
September	145	67	100%	353,823	1,669	\$0.056	\$19,670	741	3.50	\$5.37	3,979	0	\$4.50	\$0	\$23,649
October	414	6	100%	277,876	862	\$0.055	\$15,421	961	2.29	\$4.23	4,085	0	\$4.50	\$0	\$19,486
November	775	0	100%	216,856	280	\$0.051	\$10,978	936	1.21	\$4.23	3,955	0	\$4.50	\$0	\$14,933
December	914	0	100%	221,534	242	\$0.051	\$11,251	952	1.04	\$3.23	3,078	0	\$4.50	\$0	\$14,329
1st half yr	2251	680		1,819,154	625	\$0.055	\$99,928	5,638	1.94	\$4.55	\$25,636	0	\$4.50	\$0	\$125,563
January	1141	0	100%	206,423	181	\$0.044	\$9,064	1,083	0.95	\$3.82	4,136	0	\$4.50	\$0	\$13,200
February	1034	0	100%	216,304	209	\$0.045	\$9,642	1,413	1.37	\$3.67	5,191	0	\$4.50	\$0	\$14,833
March	971	0	100%	238,284	245	\$0.043	\$10,349	1,597	1.64	\$3.30	5,271	0	\$4.50	\$0	\$15,621
April	550	0	100%	255,763	465	\$0.048	\$12,397	1,574	2.86	\$3.56	5,804	0	\$4.50	\$0	\$18,001
May	157	94	100%	306,863	1,223	\$0.050	\$15,454	1,384	5.51	\$3.17	4,390	0	\$4.50	\$0	\$19,844
June	31	162	100%	358,103	1,855	\$0.048	\$17,025	1,243	6.44	\$3.73	4,631	0	\$4.50	\$0	\$21,656
2nd half yr	3884	256		1,581,741	382	\$0.047	\$73,931	8,294	2.00	\$3.52	\$29,224	0	\$4.50	\$0	\$103,155
TOTAL/YEAR	6135	916		3,400,895	482	\$0.051	\$173,859	13,932	1.98	\$3.94	\$54,859	0	\$4.50	\$0	\$228,718

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	11,607,254	
Gross Volume (ft)3	1,259,568	Natural Gas = MCF X 102,500	1,428,030	Total BTU Consumption/Yr 13,035,283,952
General Notes:		Fuel Oil = Gallons X 138,690	0	Gross Area (ft)2 157,446
		Other Fuel	0	Divided by 100,000 = 0.8279
		TOTAL BTU's x 1,000	13,035,284	THERMS

COST / SQ. FT. / YEAR \$1.45

WATER / SQ. FT. / YEAR \$0.13

BUILDING: Student Union
 FY YEAR: 2013
 DATE : 09/13/14

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	403	100%	182,877	454	\$0.052	\$9,541	0	0.00	\$12.51	\$0	56	\$3.78	273	\$9,814
August	3	184	100%	228,821	1,224	\$0.062	\$14,166	6	0.03	\$12.51	\$76	31	\$3.78	173	\$14,415
September	145	67	100%	222,609	1,050	\$0.056	\$12,375	294	1.39	\$12.51	\$3,678	49	\$3.78	263	\$16,316
October	414	6	100%	223,750	533	\$0.055	\$12,417	839	2.00	\$12.51	\$10,500	199	\$3.78	842	\$23,759
November	775	0	100%	200,618	259	\$0.051	\$10,156	1,571	2.03	\$12.51	\$19,656	211	\$3.78	892	\$30,703
December	914	0	100%	185,121	203	\$0.051	\$9,402	1,853	2.03	\$12.51	\$23,181	222	\$3.78	718	\$33,301
1st half yr	2251	660		1,243,796	427	\$0.055	\$68,058	4,564	1.57	\$12.51	\$57,091	768	\$4.11	\$3,160	\$128,309
January	1141	0	100%	193,574	170	\$0.044	\$8,500	2,313	2.03	\$12.51	\$28,939	176	\$3.78	672	\$38,110
February	1034	0	100%	205,515	199	\$0.045	\$9,161	2,096	2.03	\$12.51	\$26,225	88	\$3.78	323	\$35,709
March	971	0	100%	223,350	230	\$0.043	\$9,701	1,969	2.03	\$12.51	\$24,627	195	\$3.78	644	\$34,971
April	550	0	100%	223,350	406	\$0.048	\$10,826	1,115	2.03	\$12.51	\$13,949	160	\$3.78	570	\$25,345
May	157	94	100%	179,600	716	\$0.050	\$9,045	318	1.27	\$12.51	\$3,982	196	\$3.78	622	\$13,849
June	31	162	100%	173,209	897	\$0.048	\$8,235	63	0.33	\$12.51	\$786	164	\$3.78	611	\$9,632
2nd half yr	3884	256		1,198,597	290	\$0.046	\$55,467	7,875	1.90	\$12.51	\$98,508	979	\$3.52	\$3,441	\$157,416
TOTAL/YEAR	6135	916		2,442,393	346	\$0.051	\$123,525	12,439	1.76	\$12.51	\$155,598	1,747	\$3.78	\$6,602	\$285,725

Building Data:	1959	Energy Consumption to BTU Conversions	BTU's x 1,000	8,335,886	Energy Utilization Index =
Gross Area (ft)2	221,225	Electricity = KWH X 3413			
Gross Volume (ft)3	1,769,800	Steam = M (lbs) X 1,000,000	12,438,706	Total BTU Consumption/Yr	20,953,660,075
General Notes:		Natural Gas = MCF X 102,500	179,068	Gross Area (ft)2	221,225
		Other Fuel	0	Divided by 100,000 =	0.9472
		TOTAL BTU's x 1,000	20,953,660		THERMS

COST / SQ. FT. / YEAR \$1.29

WATER / SQ. FT. / YEAR \$0.51

BUILDING: Sullivan Hall
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	5,705	14	\$0.052	\$288	0	0.00	\$12.51	\$0	0	\$4.50	\$0	\$298
August	3	184	100%	6,721	36	\$0.062	\$416	0	0.00	\$12.51	\$5	0	\$4.50	\$0	\$421
September	145	67	100%	7,077	33	\$0.056	\$393	18	0.08	\$12.51	\$223	0	\$4.50	\$0	\$616
October	414	6	100%	7,737	18	\$0.055	\$429	51	0.12	\$12.51	\$636	0	\$4.50	\$0	\$1,065
November	775	0	100%	6,490	8	\$0.051	\$329	95	0.12	\$12.51	\$1,191	0	\$4.50	\$0	\$1,519
December	914	0	100%	6,278	7	\$0.051	\$319	112	0.12	\$12.51	\$1,404	0	\$4.50	\$0	\$1,723
1st half yr	2251	680		40,008	14	\$0.055	\$2,184	276	0.09	\$12.51	\$3,458	0	\$4.50	\$0	\$5,642
January	1141	0	100%	6,485	6	\$0.044	\$285	140	0.12	\$12.51	\$1,753	0	\$4.50	\$0	\$2,038
February	1034	0	100%	6,638	6	\$0.045	\$286	127	0.12	\$12.51	\$1,589	0	\$4.50	\$0	\$1,884
March	971	0	100%	6,798	7	\$0.043	\$295	119	0.12	\$12.51	\$1,492	0	\$4.50	\$0	\$1,787
April	550	0	100%	7,303	13	\$0.048	\$354	68	0.12	\$12.51	\$845	0	\$4.50	\$0	\$1,199
May	157	94	100%	5,677	23	\$0.050	\$286	19	0.08	\$12.51	\$241	0	\$4.50	\$0	\$527
June	31	162	100%	5,721	30	\$0.048	\$272	4	0.02	\$12.51	\$48	0	\$4.50	\$0	\$320
2nd half yr	3884	256		38,621	9	\$0.046	\$1,788	477	0.12	\$12.51	\$5,967	0	\$4.50	\$0	\$7,755
TOTAL/YEAR	6135	916		78,629	11	\$0.051	\$3,972	753	0.11	\$12.51	\$9,426	0	\$4.50	\$0	\$13,397

Building Data:	1994	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	13,401	Electricity = KWH X 3413		268,360
Gross Volume (ft)3	107,208	Steam = M (lbs) X 1,000,000		753,491
General Notes:		Fuel Oil = Gallons X 136,690		0
		Other Fuel		0
		TOTAL BTU's x 1,000		1,021,852

Energy Utilization Index =
 Total BTU Consumption/Yr 1,021,851.691
 Gross Area (ft) 2 13,401
 Divided by 100,000 = 0.7625 THERMS

COST / SQ. FT. /YEAR \$1.00
 WATER /SQ. FT. /YEAR \$0.20

BUILDING: Transportation Center
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	36,082	90	\$0.052	\$1,882	1	0.00	\$4.88	5	0	\$4.50	\$0
August	3	184	100%	28,790	154	\$0.062	\$1,782	0	0.00	#DIV/0!	0	0	\$4.50	\$0
September	145	67	100%	22,566	106	\$0.056	\$1,254	1	0.00	\$5.37	5	0	\$4.50	\$0
October	414	6	100%	20,255	48	\$0.055	\$1,124	0	0.00	#DIV/0!	0	0	\$4.50	\$0
November	775	0	100%	18,407	24	\$0.051	\$932	12	0.02	\$4.23	51	0	\$4.50	\$0
December	914	0	100%	20,603	23	\$0.051	\$1,046	121	0.13	\$3.23	391	0	\$4.50	\$0
1st half yr	2251	660		146,702	50	\$0.055	\$8,022	135	0.05	\$3.35	\$452	0	\$4.50	\$0
January	1141	0	100%	20,351	18	\$0.044	\$894	135	0.12	\$3.82	516	0	\$4.50	\$0
February	1034	0	100%	20,773	20	\$0.045	\$926	149	0.14	\$3.67	547	0	\$4.50	\$0
March	971	0	100%	21,984	23	\$0.043	\$955	184	0.19	\$3.30	607	0	\$4.50	\$0
April	550	0	100%	24,210	44	\$0.048	\$1,173	154	0.28	\$3.56	548	0	\$4.50	\$0
May	157	94	100%	20,505	82	\$0.050	\$1,033	123	0.49	\$3.17	390	0	\$4.50	\$0
June	31	162	100%	29,405	152	\$0.048	\$1,398	46	0.24	\$3.73	171	0	\$4.50	\$0
2nd half yr	3884	256		137,228	33	\$0.046	\$6,379	791	0.19	\$3.51	\$2,780	0	\$4.50	\$0
TOTAL YEAR	6135	916		283,931	40	\$0.051	\$14,400	926	0.13	\$3.49	\$3,232	0	\$4.50	\$0

Building Data:	1959	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	19,826	Electricity = KWH X 3413	969,055
Gross Volume (ft)3	158,608	Natural Gas = MCF X 102,500	94,915
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,063,970

Energy Utilization Index =

Total BTU Consumption/Yr	1,063,969,797
Gross Area (ft) 2	19,826
Divided by 100,000 =	0.5367
	THERMS

COST / SQ. FT. / YEAR \$0.89
 WATER / SQ. FT. / YEAR \$0.10

BUILDING: University Hall
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	295,177	732	\$0.052	\$15,400	0	0.00	\$12.51
August	3	184	100%	298,776	1,598	\$0.052	\$18,497	8	0.04	\$12.51
September	145	67	100%	307,726	1,452	\$0.056	\$17,107	389	1.83	\$12.51
October	414	6	100%	317,364	756	\$0.055	\$17,613	1,110	2.64	\$12.51
November	775	0	100%	296,036	382	\$0.051	\$14,986	2,079	2.68	\$12.51
December	914	0	100%	357,614	391	\$0.051	\$18,162	2,451	2.68	\$12.51
1st half yr	2251	680		1,872,693	643	\$0.054	\$101,765	6,037	2.07	\$12.51
January	1141	0	100%	301,173	264	\$0.044	\$13,224	3,060	2.68	\$12.51
February	1034	0	100%	318,793	308	\$0.045	\$14,211	2,773	2.68	\$12.51
March	971	0	100%	332,778	343	\$0.043	\$14,454	2,604	2.68	\$12.51
April	550	0	100%	317,012	576	\$0.048	\$15,365	1,475	2.68	\$12.51
May	157	94	100%	317,099	1,263	\$0.050	\$15,970	421	1.68	\$12.51
June	31	162	100%	329,442	1,707	\$0.048	\$15,662	83	0.43	\$12.51
2nd half yr	3884	256		1,916,298	463	\$0.046	\$88,886	10,417	2.52	\$12.51
TOTAL/YEAR	6135	916		3,788,991	537	\$0.050	\$190,652	16,454	2.33	\$12.51

Building Data:	1931	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft)2	292,633	Electricity = KWH X 3413	12,931,828	
Gross Volume (ft)3	2,341,064	Steam = M (lbs) X 1,000,000	16,453,728	Total BTU Consumption/Yr 29,448,182,971
General Notes:		Natural Gas = MCF X 102,500	62,628	Gross Area (ft) 2 292,633
		Other Fuel	0	Divided by 100,000 = 1.0063 THERMS
		TOTAL BTU's x 1,000	29,448,183	

COST / SQ. FT. /YEAR \$1.36

WATER / SQ. FT. /YEAR \$0.09

BUILDING: Westwood Research Annex
 FY YEAR: 2013
 DATE: 09/13/14

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	FUEL OIL	
														Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	26,742	66	\$0.052	\$1,395	3	0.01	\$4.88	15	0	\$4.50	\$0	\$1,410
August	3	184	100%	25,330	135	\$0.062	\$1,568	1	0.01	\$5.58	6	0	\$4.50	\$0	\$1,574
September	145	67	100%	22,400	106	\$0.056	\$1,245	3	0.01	\$5.37	16	0	\$4.50	\$0	\$1,261
October	414	6	100%	28,914	69	\$0.055	\$1,605	3	0.01	\$4.23	13	0	\$4.50	\$0	\$1,617
November	775	0	100%	27,670	36	\$0.051	\$1,401	21	0.03	\$4.23	89	0	\$4.50	\$0	\$1,489
December	914	0	100%	35,242	39	\$0.051	\$1,790	107	0.12	\$3.23	346	0	\$4.50	\$0	\$2,136
1st half yr	2251	660		166,297	57	\$0.054	\$9,004	138	0.05	\$3.51	\$484	0	\$4.50	\$0	\$9,487
January	1141	0	100%	33,424	29	\$0.044	\$1,468	262	0.23	\$3.82	1,001	0	\$4.50	\$0	\$2,468
February	1034	0	100%	28,047	27	\$0.045	\$1,250	339	0.33	\$3.67	1,245	0	\$4.50	\$0	\$2,496
March	971	0	100%	0	0	\$0.043	\$0	401	0.41	\$3.30	1,324	0	\$4.50	\$0	\$1,324
April	550	0	100%	0	0	\$0.048	\$0	395	0.34	\$3.56	1,406	0	\$4.50	\$0	\$1,406
May	157	94	100%	0	0	\$0.050	\$0	0	0.00	\$0.00	0	0	\$4.50	\$0	\$0
June	31	162	100%	0	0	\$0.048	\$0	0	0.00	\$0.00	0	0	\$4.50	\$0	\$0
2nd half yr	3884	256		61,471	15	\$0.044	\$2,718	1,397	0.34	\$3.56	\$4,976	0	\$4.50	\$0	\$7,694
TOTAL/YEAR	6135	916		227,768	32	\$0.051	\$11,722	1,535	0.22	\$3.56	\$5,460	0	\$4.50	\$0	\$17,181

Building Data:	1950	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	40,922	Electricity = KWH X 3413		777,373
Gross Volume (ft)3	327,376	Natural Gas = MCF X 102,500		1,573,375
General Notes:		Fuel Oil = Gallons X 138,700		0
		Other Fuel		0
		TOTAL BTU's x 1,000		2,350,748

Energy Utilization Index =
 Total BTU Consumption/Yr 2,350,748,208
 Gross Area (ft) 2 40,922
 Divided by 100,000 = 0.5744 THERMS

COST / SQ. FT. / YEAR \$0.42
 WATER / SQ. FT. / YEAR \$0.29

BUILDING: Westwood Building
 FY YEAR: 2013
 DATE: 09/13/14

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 (Mcft)	Mcft per DD	Cost per Mcft	TOTAL		Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	41,500	103	\$0.052	\$2,165	22	0.05	\$30.87	679	0	\$4.50	\$0	\$2,844
August	3	184	100%	41,920	224	\$0.062	\$2,595	5	0.03	\$118.31	592	0	\$4.50	\$0	\$3,187
September	145	67	100%	39,890	188	\$0.056	\$2,218	4	0.02	\$147.04	588	0	\$4.50	\$0	\$2,806
October	414	6	100%	39,890	95	\$0.055	\$2,214	4	0.01	\$146.53	586	0	\$4.50	\$0	\$2,800
November	775	0	100%	47,400	61	\$0.051	\$2,400	37	0.05	\$20.34	753	0	\$4.50	\$0	\$3,152
December	914	0	100%	44,220	48	\$0.051	\$2,246	307	0.34	\$5.57	1,710	0	\$4.50	\$0	\$3,956
1st half yr	2251	660		254,820	88	\$0.054	\$13,837	379	0.13	\$12.95	\$4,908	0	\$4.50	\$0	\$18,745
January	1141	0	100%	35,520	31	\$0.044	\$1,560	752	0.66	\$5.04	3,786	0	\$4.50	\$0	\$5,346
February	1034	0	100%	55,320	54	\$0.045	\$2,466	1,237	1.20	\$4.54	5,613	0	\$4.50	\$0	\$8,079
March	971	0	100%	30,347	31	\$0.043	\$1,318	1,527	1.57	\$4.20	6,412	0	\$4.50	\$0	\$7,730
April	550	0	100%	30,347	55	\$0.048	\$1,471	1,435	2.61	\$4.45	6,386	0	\$4.50	\$0	\$7,857
May	157	94	100%	30,347	121	\$0.050	\$1,528	1,157	4.61	\$4.05	4,683	0	\$4.50	\$0	\$6,211
June	31	162	100%	41,820	217	\$0.048	\$1,988	615	3.19	\$4.76	2,925	0	\$4.50	\$0	\$4,913
2nd half yr	3884	256		223,700	54	\$0.046	\$10,331	6,723	1.62	\$4.43	\$29,806	0	\$4.50	\$0	\$40,137
TOTAL/YEAR	6135	916		478,520	68	\$0.083	\$39,891	7,102	1.01	\$4.89	\$34,713	0	\$4.50	\$0	\$74,604

Building Data:	1946	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	271,332	Electricity = KWH X 3413	1,633,189
Gross Volume (ft)3	2,170,656	Natural Gas = MCF X 102,500	727,955
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	2,361,144

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2}$$

$$\frac{2,361,143,760}{271,332} = 0.0870 \text{ THERMS}$$

COST / SQ. FT. / YEAR \$0.27

WATER / SQ. FT. / YEAR \$0.03

BUILDING: Wolfe Hall
 FY YEAR: 2013
 DATE : 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		M (LBS)	PURCHASED STEAM		1000 cubic feet (Mcf)	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	403	100%	604,727	1,501	\$0.052	\$31,549	0.00	\$12.51	\$0	\$31,572
August	3	184	100%	681,842	3,846	\$0.062	\$42,213	0.03	\$12.51	\$65	\$42,306
September	145	67	100%	413,383	1,950	\$0.056	\$22,981	1.18	\$12.51	\$3,134	\$26,142
October	414	6	100%	382,028	910	\$0.055	\$21,201	1.70	\$12.51	\$8,947	\$30,173
November	775	0	100%	411,258	531	\$0.051	\$20,819	1.73	\$12.51	\$16,748	\$37,595
December	914	0	100%	469,143	513	\$0.051	\$23,827	1.73	\$12.51	\$19,752	\$43,606
1st half yr	2251	660		2,962,380	1,018	\$0.055	\$162,590	1.34	\$12.51	\$48,646	\$211,393
January	1141	0	100%	413,403	362	\$0.044	\$18,152	1.73	\$12.51	\$24,658	\$42,840
February	1034	0	100%	407,760	394	\$0.045	\$18,176	1.73	\$12.51	\$22,346	\$40,552
March	971	0	100%	450,393	464	\$0.043	\$19,562	1.73	\$12.51	\$20,984	\$40,576
April	550	0	100%	409,397	744	\$0.048	\$19,843	1.73	\$12.51	\$11,886	\$31,759
May	157	94	100%	405,449	1,615	\$0.050	\$20,420	1.08	\$12.51	\$3,393	\$23,844
June	31	162	100%	438,302	2,271	\$0.048	\$20,838	0.28	\$12.51	\$670	\$21,538
2nd half yr	3884	256		2,524,704	610	\$0.046	\$116,991	1.62	\$12.51	\$83,936	\$201,108
TOTAL/YEAR	6135	916		5,487,084	778	\$0.051	\$279,581	10.599	\$12.51	\$132,582	\$412,501

Building Data:	1997	Energy Consumption to BTU Conversions		BTU's x 1,000	Energy Utilization Index =	
Gross Area (ft)2	188,501	Electricity = KWH X 3413		18,727,418	Total BTU Consumption/Yr	
Gross Volume (ft)3	1,508,008	Steam = M (lbs) X 1,000,000		10,598,750	Gross Area (ft) 2	
General Notes:		Natural Gas = MCF X 102,500		1,876	Divided by 100,000 =	
		Other Fuel		0	THERMS	
		TOTAL BTU's x 1,000		29,328,044		

COST / SQ. FT. / YEAR \$2.19

WATER / SQ. FT. / YEAR \$0.23

BUILDING: Center for Creative Education
 FY YEAR: 2013
 DATE: 09/13/14

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	@20 Gal/Hr			
												TOTAL		Cost per Gal	
July	0	403	100%	45,726	113	\$0.052	\$2,380	0	0.00	\$12.19	\$0	0	\$4.50	\$0	\$2,380
August	3	184	100%	42,690	228	\$0.053	\$2,268	2	0.01	\$12.19	\$29	0	\$4.50	\$0	\$2,298
September	145	67	100%	45,756	216	\$0.056	\$2,568	116	0.55	\$12.19	\$1,410	0	\$4.50	\$0	\$3,978
October	414	6	100%	48,643	116	\$0.055	\$2,658	330	0.79	\$12.19	\$4,025	0	\$4.50	\$0	\$6,683
November	775	0	100%	43,779	56	\$0.053	\$2,342	618	0.80	\$12.19	\$7,535	0	\$4.50	\$0	\$9,877
December	914	0	100%	49,199	54	\$0.055	\$2,693	729	0.80	\$12.19	\$9,886	0	\$4.50	\$0	\$11,579
1st half yr	2251	660		275,793	95	\$0.054	\$14,909	1,795	0.62	\$12.19	\$21,885	0	\$4.50	\$0	\$36,794
January	1141	0	100%	47,873	42	\$0.045	\$2,167	910	0.80	\$12.19	\$11,093	0	\$4.50	\$0	\$13,260
February	1034	0	100%	47,210	46	\$0.047	\$2,229	825	0.80	\$12.19	\$10,053	0	\$4.50	\$0	\$12,282
March	971	0	100%	49,253	51	\$0.044	\$2,159	774	0.80	\$12.19	\$9,440	0	\$4.50	\$0	\$11,599
April	550	0	100%	45,698	83	\$0.051	\$2,309	439	0.80	\$12.19	\$5,347	0	\$4.50	\$0	\$7,656
May	157	94	100%	42,189	168	\$0.050	\$2,129	125	0.50	\$12.19	\$1,526	0	\$4.50	\$0	\$3,655
June	31	162	100%	48,585	252	\$0.048	\$2,352	25	0.13	\$12.19	\$301	0	\$4.50	\$0	\$2,653
2nd half yr	3884	256		280,808	68	\$0.048	\$13,344	3,097	0.75	\$12.19	\$37,762	0	\$4.50	\$0	\$51,106
TOTAL/YEAR	6135	916		556,601	79	\$0.051	\$28,253	4,892	0.69	\$12.19	\$59,647	0	\$4.50	\$0	\$87,900

Building Data:	2003	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	48,810	Electricity = KWH X 3413	1,899,679
Gross Volume (ft)3	390,480	Steam = M (lbs) X 1,000,000	4,892,135
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	6,791,814
COST / SQ. FT. / YEAR	\$1.80		
WATER / SQ. FT. / YEAR	\$0.05		

Energy Utilization Index =	
Total BTU Consumption/Yr	6,791,814,310
Gross Area (ft) 2	48,810
Divided by 100,000 =	1.3915
	THERMS

BUILDING: Collier Allied Health Building
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)			ELECTRICITY			PURCHASED STEAM		Load-shed Hours	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)		@20 Gal/Hr TOTAL	
July	0	403	100%	21,013	52	\$0.052	\$1,094	0	0.00	\$12.19	\$0	\$4.50	\$0	\$1,094
August	3	184	100%	80,730	432	\$0.053	\$4,290	5	0.03	\$12.19	\$67	\$4.50	\$0	\$4,356
September	145	67	100%	93,917	443	\$0.056	\$5,271	264	1.24	\$12.19	\$3,216	\$4.50	\$0	\$8,488
October	414	6	100%	94,577	225	\$0.055	\$5,168	753	1.79	\$12.19	\$9,183	\$4.50	\$0	\$14,351
November	775	0	100%	85,005	110	\$0.053	\$4,547	1,410	1.82	\$12.19	\$17,191	\$4.50	\$0	\$21,739
December	914	0	100%	92,397	101	\$0.055	\$5,057	1,663	1.82	\$12.19	\$20,275	\$4.50	\$0	\$25,332
1st half yr	2251	660		467,639	161	\$0.054	\$25,427	4,095	1.41	\$12.19	\$49,932	\$4.50	\$0	\$75,359
January	1141	0	100%	89,709	79	\$0.045	\$4,060	2,076	1.82	\$12.19	\$25,310	\$4.50	\$0	\$29,370
February	1034	0	100%	84,911	82	\$0.047	\$4,009	1,881	1.82	\$12.19	\$22,936	\$4.50	\$0	\$26,945
March	971	0	100%	94,977	98	\$0.044	\$4,163	1,767	1.82	\$12.19	\$21,539	\$4.50	\$0	\$25,702
April	550	0	100%	95,022	173	\$0.051	\$4,802	1,001	1.82	\$12.19	\$12,200	\$4.50	\$0	\$17,002
May	157	94	100%	80,841	322	\$0.050	\$4,079	286	1.14	\$12.19	\$3,483	\$4.50	\$0	\$7,562
June	31	162	100%	89,414	463	\$0.048	\$4,328	56	0.29	\$12.19	\$688	\$4.50	\$0	\$5,015
2nd half yr	3884	256		534,874	129	\$0.048	\$25,441	7,066	1.71	\$12.19	\$86,156	\$4.50	\$0	\$111,597
TOTAL/YEAR	6135	916		1,002,513	142	\$0.051	\$50,868	11,162	1.58	\$12.19	\$136,088	\$4.50	\$0	\$186,956

Building Data:	1996	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	111,363	Electricity = KWH X 3413	3,421,577
Gross Volume (ft)3	890,904	Steam = M (lbs) X 1,000,000	11,161,705
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	14,583,282

COST / SQ. FT. / YEAR	\$1.68
WATER / SQ. FT. / YEAR	\$0.07

BUILDING: Dana Center
FY YEAR: 2013
DATE: 09/13/14

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	403	100%	16,594	41	\$0.052	\$864	0	0.00	\$12.19	\$0	0	\$4.50	\$0	\$864
August	3	184	100%	16,000	86	\$0.053	\$850	2	0.01	\$12.19	\$26	0	\$4.50	\$0	\$876
September	145	67	100%	16,000	75	\$0.056	\$898	104	0.49	\$12.19	\$1,270	0	\$4.50	\$0	\$2,168
October	414	6	100%	16,000	38	\$0.055	\$874	297	0.71	\$12.19	\$3,626	0	\$4.50	\$0	\$4,501
November	775	0	100%	16,000	21	\$0.053	\$856	557	0.72	\$12.19	\$6,788	0	\$4.50	\$0	\$7,644
December	914	0	100%	73,288	80	\$0.055	\$4,011	657	0.72	\$12.19	\$8,006	0	\$4.50	\$0	\$12,017
1st half yr	2251	660		153,882	53	\$0.054	\$8,353	1,617	0.56	\$12.19	\$19,717	0	\$4.50	\$0	\$28,070
January	1141	0	100%	65,445	57	\$0.045	\$2,962	820	0.72	\$12.19	\$9,994	0	\$4.50	\$0	\$12,957
February	1034	0	100%	90,048	87	\$0.047	\$4,252	743	0.72	\$12.19	\$9,057	0	\$4.50	\$0	\$13,309
March	971	0	100%	104,167	107	\$0.044	\$4,566	698	0.72	\$12.19	\$8,505	0	\$4.50	\$0	\$13,071
April	550	0	100%	95,021	173	\$0.051	\$4,802	395	0.72	\$12.19	\$4,818	0	\$4.50	\$0	\$9,619
May	157	94	100%	88,735	354	\$0.050	\$4,478	113	0.45	\$12.19	\$1,375	0	\$4.50	\$0	\$5,853
June	31	162	100%	101,591	526	\$0.048	\$4,917	22	0.12	\$12.19	\$272	0	\$4.50	\$0	\$5,189
2nd half yr	3884	256		545,007	132	\$0.048	\$25,976	2,790	0.67	\$12.19	\$34,021	0	\$4.50	\$0	\$59,997
TOTAL/YEAR	6135	916		698,889	99	\$0.051	\$34,329	4,408	0.63	\$12.19	\$53,738	0	\$4.50	\$0	\$88,067

Building Data:	1981	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	43,975	Electricity = KWH X 3413	2,385,308
Gross Volume (ft)3	351,800	Steam = M (lbs) X 1,000,000	4,407,532
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	6,792,840

COST / SQ. FT. / YEAR	\$2.00	Energy Utilization Index =	
WATER / SQ. FT. / YEAR	\$0.07	Total BTU Consumption/Yr	6,792,840,238
		Gross Area (ft) 2	43,975
		Divided by 100,000 =	1.5447
		THERMS	

BUILDING: Dowling Hall and Morse Center
 FY YEAR: 2013
 DATE: 09/13/14

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	@20 Gal/Hr		
													TOTAL		
July	0	403	100%	634,447	1,574	\$0.052	\$33,017	0	0.00	\$12.19	\$0	0	\$4.50	\$0	\$33,017
August	3	184	100%	549,447	2,938	\$0.053	\$29,196	12	0.06	\$12.19	\$148	0	\$4.50	\$0	\$29,344
September	145	67	100%	539,957	2,547	\$0.056	\$30,307	587	2.77	\$12.19	\$7,152	0	\$4.50	\$0	\$37,459
October	414	6	100%	484,117	1,153	\$0.055	\$28,452	1,675	3.99	\$12.19	\$20,419	0	\$4.50	\$0	\$48,871
November	775	0	100%	415,918	537	\$0.053	\$22,250	3,135	4.05	\$12.19	\$38,225	0	\$4.50	\$0	\$60,475
December	914	0	100%	498,244	545	\$0.055	\$27,270	3,697	4.05	\$12.19	\$45,080	0	\$4.50	\$0	\$72,351
1st half yr	2251	660		3,122,130	1,073	\$0.054	\$168,492	9,106	3.13	\$12.19	\$111,024	0	\$4.50	\$0	\$279,516
January	1141	0	100%	468,651	411	\$0.045	\$21,212	4,616	4.05	\$12.19	\$56,277	0	\$4.50	\$0	\$77,489
February	1034	0	100%	433,892	420	\$0.047	\$20,486	4,183	4.05	\$12.19	\$50,999	0	\$4.50	\$0	\$71,485
March	971	0	100%	482,797	497	\$0.044	\$21,161	3,928	4.05	\$12.19	\$47,892	0	\$4.50	\$0	\$69,052
April	550	0	100%	478,072	869	\$0.051	\$24,158	2,225	4.05	\$12.19	\$27,127	0	\$4.50	\$0	\$51,285
May	157	94	100%	545,707	2,174	\$0.050	\$27,537	635	2.53	\$12.19	\$7,744	0	\$4.50	\$0	\$35,281
June	31	162	100%	650,328	3,370	\$0.048	\$31,477	125	0.85	\$12.19	\$1,529	0	\$4.50	\$0	\$33,006
2nd half yr	3884	256		3,059,447	739	\$0.048	\$146,031	15,712	3.80	\$12.19	\$191,567	0	\$4.50	\$0	\$337,598
TOTAL/YEAR	6135	916		6,181,577	877	\$0.051	\$314,522	24,818	3.52	\$12.19	\$302,591	0	\$4.50	\$0	\$617,114

Building Data:	1977	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	247,616	Electricity = KWH X 3413		21,097,722
Gross Volume (ft)3	1,980,928	Steam = M (lbs) X 1,000,000		24,818,089
General Notes:		Fuel Oil = Gallons X 138,690		0
		Other Fuel		0
		TOTAL BTU's x 1,000		45,915,811
COST / SQ. FT. / YEAR	\$2.49			
WATER / SQ. FT. / YEAR	\$0.25			

Energy Utilization Index =
 Total BTU Consumption/Yr 45,915,811,303
 Gross Area (ft) 2 247,616
 Divided by 100,000 = 1.8543 THERMS

BUILDING: Facilities Support
FY YEAR: 2013

DATE : 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	M (LBS)	PURCHASED STEAM		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh			M (Lbs) per DD	Cost per M(Lbs)		Load-shed Hours	Cost per Gal	
July	0	403	100%	26,576		0	0.00	\$12.19	\$0	0	\$4.50	\$1,383
August	3	184	100%	17,735		1	0.01	\$12.19	\$16	0	\$4.50	\$958
September	145	67	100%	17,965		64	0.30	\$12.19	\$778	0	\$4.50	\$1,786
October	414	6	100%	16,753		182	0.43	\$12.19	\$2,221	0	\$4.50	\$3,136
November	775	0	100%	13,035		341	0.44	\$12.19	\$4,158	0	\$4.50	\$4,855
December	914	0	100%	15,716		402	0.44	\$12.19	\$4,903	0	\$4.50	\$5,763
1st half yr	2251	660		107,780		990	0.34	\$12.19	\$12,076	0	\$4.50	\$17,882
January	1141	0	100%	16,286		502	0.44	\$12.19	\$6,121	0	\$4.50	\$6,858
February	1034	0	100%	17,153		455	0.44	\$12.19	\$5,547	0	\$4.50	\$6,357
March	971	0	100%	19,865		427	0.44	\$12.19	\$5,209	0	\$4.50	\$6,080
April	550	0	100%	22,797		242	0.44	\$12.19	\$2,950	0	\$4.50	\$4,102
May	157	94	100%	23,710		69	0.28	\$12.19	\$842	0	\$4.50	\$2,039
June	31	162	100%	30,343		14	0.07	\$12.19	\$166	0	\$4.50	\$1,635
2nd half yr	3884	256		130,154		1,709	0.41	\$12.19	\$20,836	0	\$4.50	\$27,071
TOTAL/YEAR	6135	916		237,934		2,699	0.38	\$12.19	\$32,911	0	\$4.50	\$44,953

Building Data:	1983	Energy Consumption to BTU Conversions	
Gross Area (ft ²)	26,932	BTU's x 1,000	
Gross Volume (ft ³)	215,456	812,069	
General Notes:		Electricity = KWH X 3413	
		Steam = M (lbs) X 1,000,000	
		Fuel Oil = Gallons X 138,690	
		Other Fuel	
		TOTAL BTU's x 1,000	
		3,511,413	

Energy Utilization Index =	
Total BTU Consumption/Yr	3,511,412,779
Gross Area (ft ²)	26,932
Divided by 100,000 =	1.3038
	THERMS

COST / SQ. FT. / YEAR \$1.67

WATER / SQ. FT. / YEAR \$0.04

BUILDING: Glendale Medical Center
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	52,838	131	\$0.052	\$2,750	25	0.06	\$9.33	233	0	\$4.50	\$0	\$2,983
August	3	184	100%	45,858	245	\$0.053	\$2,437	21	0.11	\$10.13	213	0	\$4.50	\$0	\$2,649
September	145	67	100%	45,397	214	\$0.056	\$2,548	20	0.09	\$10.10	202	0	\$4.50	\$0	\$2,750
October	414	6	100%	34,645	82	\$0.055	\$1,893	17	0.04	\$10.58	180	0	\$4.50	\$0	\$2,073
November	775	0	100%	29,864	39	\$0.053	\$1,598	22	0.03	\$9.81	216	0	\$4.50	\$0	\$1,813
December	914	0	100%	31,109	34	\$0.055	\$1,703	30	0.03	\$7.54	226	0	\$4.50	\$0	\$1,929
1st half yr	2251	660		239,711	82	\$0.054	\$12,928	135	0.05	\$9.41	\$1,270	0	\$4.50	\$0	\$14,198
January	1141	0	100%	25,214	22	\$0.045	\$1,141	63	0.06	\$5.86	369	0	\$4.50	\$0	\$1,510
February	1034	0	100%	32,349	31	\$0.047	\$1,527	104	0.10	\$4.46	464	0	\$4.50	\$0	\$1,991
March	971	0	100%	32,814	34	\$0.044	\$1,438	103	0.11	\$4.44	457	0	\$4.50	\$0	\$1,895
April	550	0	100%	38,264	70	\$0.051	\$1,934	103	0.19	\$4.58	472	0	\$4.50	\$0	\$2,406
May	157	94	100%	41,494	165	\$0.050	\$2,084	82	0.33	\$4.12	338	0	\$4.50	\$0	\$2,432
June	31	162	100%	43,140	224	\$0.048	\$2,088	42	0.22	\$5.12	215	0	\$4.50	\$0	\$2,303
2nd half yr	3884	256		213,275	52	\$0.048	\$10,222	497	0.12	\$4.66	\$2,314	0	\$4.50	\$0	\$12,536
TOTAL/YEAR	6135	916		452,986	64	\$0.051	\$23,150	632	0.09	\$5.67	\$3,584	0	\$4.50	\$0	\$26,734

Building Data:	1989	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	40,516	Electricity = KWH X 3413	1,546,041
Gross Volume (ft)3	324,127	Natural Gas = MCF X 102,500	64,780
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,610,821

Energy Utilization Index =
 Total BTU Consumption/Yr. 1,610,821,218
 Gross Area (ft)2 40,516
 Divided by 100,000 = 0.3976 THERMS

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

BUILDING: Health Education Building
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	1,513,727	3,756	\$0.052	\$78,775	0	0.00	\$12.19	\$0	0	\$4.50	\$0	\$78,775
August	3	184	100%	1,275,651	6,822	\$0.053	\$67,784	12	0.07	\$12.19	\$152	0	\$4.50	\$0	\$67,937
September	145	67	100%	1,144,647	5,399	\$0.056	\$64,247	604	2.85	\$12.19	\$7,361	0	\$4.50	\$0	\$71,609
October	414	6	100%	739,053	1,760	\$0.055	\$40,381	1,724	4.10	\$12.19	\$21,018	0	\$4.50	\$0	\$61,399
November	775	0	100%	558,684	721	\$0.053	\$29,887	3,227	4.16	\$12.19	\$39,345	0	\$4.50	\$0	\$68,233
December	914	0	100%	640,214	700	\$0.055	\$35,040	3,806	4.16	\$12.19	\$46,402	0	\$4.50	\$0	\$81,442
1st half yr	2251	660		5,871,976	2,017	\$0.054	\$316,116	9,373	3.22	\$12.19	\$114,279	0	\$4.50	\$0	\$430,395
January	1141	0	100%	585,170	513	\$0.045	\$26,486	4,751	4.16	\$12.19	\$57,926	0	\$4.50	\$0	\$84,412
February	1034	0	100%	544,090	526	\$0.047	\$25,689	4,305	4.16	\$12.19	\$52,494	0	\$4.50	\$0	\$78,183
March	971	0	100%	609,869	628	\$0.044	\$26,730	4,043	4.16	\$12.19	\$49,296	0	\$4.50	\$0	\$76,026
April	550	0	100%	719,533	1,308	\$0.051	\$36,359	2,290	4.16	\$12.19	\$27,922	0	\$4.50	\$0	\$64,281
May	157	94	100%	1,035,610	4,126	\$0.050	\$52,259	654	2.60	\$12.19	\$7,971	0	\$4.50	\$0	\$60,230
June	31	162	100%	1,406,984	7,290	\$0.048	\$68,100	129	0.67	\$12.19	\$1,574	0	\$4.50	\$0	\$69,673
2nd half yr	3884	256		4,901,256	1,184	\$0.048	\$235,623	16,173	3.91	\$12.19	\$197,183	0	\$4.50	\$0	\$432,806
TOTAL/YEAR	6135	916		10,773,232	1,528	\$0.051	\$551,739	25,546	3.62	\$12.19	\$311,462	0	\$4.50	\$0	\$863,201

Building Data:	1973	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	254,875	Electricity = KWH X 3413	36,769,041
Gross Volume (ft)3	2,039,000	Steam = M (lbs) X 1,000,000	25,545,645
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	62,314,686

Energy Utilization Index =
 Total BTU Consumption/Yr 62,314,685.824
 Gross Area (ft) 2 254,875
 Divided by 100,000 = 2.4449 THERMS

COST / SQ. FT. / YEAR \$3.39

WATER / SQ. FT. / YEAR \$0.00

BUILDING: Heatherdowns Educare Center
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	25,000	62	\$0.052	309	0.77	\$5.28	1,631	0	\$4.50	\$0	\$2,932
August	3	184	100%	25,000	134	\$0.053	526	2.81	\$4.80	2,523	0	\$4.50	\$0	\$3,851
September	145	67	100%	25,000	118	\$0.056	660	3.11	\$4.49	2,961	0	\$4.50	\$0	\$4,364
October	414	6	100%	15,900	38	\$0.055	462	1.10	\$4.61	2,129	0	\$4.50	\$0	\$2,988
November	775	0	100%	17,800	23	\$0.053	297	0.38	\$5.16	1,533	0	\$4.50	\$0	\$2,486
December	914	0	100%	17,124	19	\$0.055	158	0.17	\$5.12	809	0	\$4.50	\$0	\$1,747
1st half yr	2251	660		125,824	43	\$0.054	2,412	0.83	\$4.80	\$11,587	0	\$4.50	\$0	\$18,378
January	1141	0	100%	16,447	14	\$0.045	288	0.25	\$5.09	1,466	0	\$4.50	\$0	\$2,210
February	1034	0	100%	16,789	16	\$0.047	350	0.34	\$4.75	1,663	0	\$4.50	\$0	\$2,456
March	971	0	100%	18,064	19	\$0.044	359	0.37	\$4.49	1,612	0	\$4.50	\$0	\$2,404
April	550	0	100%	16,952	31	\$0.051	352	0.64	\$4.72	1,663	0	\$4.50	\$0	\$2,519
May	157	94	100%	18,512	74	\$0.050	321	1.28	\$4.29	1,376	0	\$4.50	\$0	\$2,310
June	31	162	100%	19,225	100	\$0.048	213	1.10	\$4.94	1,053	0	\$4.50	\$0	\$1,963
2nd half yr	3884	256		105,989	26	\$0.048	1,883	0.45	\$4.69	\$8,833	0	\$4.50	\$0	\$13,883
TOTAL YEAR	6135	916		231,813	33	\$0.051	4,295	0.61	\$4.75	\$20,420	0	\$4.50	\$0	\$43,885

Building Data:	1965	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	36,400	Electricity = KWH X 3413	791,176
Gross Volume (ft)3	291,200	Natural Gas = MCF X 102,500	440,238
General Notes:		Fuel Oil = Gallons X 138,700	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,231,414

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2} = \frac{1,231,413.563}{36,400}$$

Divided by 100,000 = 0.3383 THERMS

COST / SQ. FT. / YEAR \$1.21

WATER / SQ. FT. / YEAR \$0.17

BUILDING: Hospital
FY YEAR: 2013

DATE : 09/13/14

MONTH	DEGREE DAYS (DD)			ELECTRICITY			PURCHASED STEAM			FUEL OIL		TOTAL ENERGY COST			
	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL		Load-shed Hours	Cost per Gal	@20 Gall/Hr TOTAL
July	0	403	100%	1,602,088	3,975	\$0.052	\$83,374	0	0.00	\$12.19	\$0	0	\$4.50	\$0	\$83,374
August	3	184	100%	1,542,701	8,250	\$0.053	\$81,975	19	0.10	\$12.19	\$226	0	\$4.50	\$0	\$82,201
September	145	67	100%	1,162,787	5,485	\$0.056	\$65,265	896	4.23	\$12.19	\$10,921	0	\$4.50	\$0	\$76,186
October	414	6	100%	1,186,683	2,825	\$0.055	\$64,839	2,557	6.09	\$12.19	\$31,181	0	\$4.50	\$0	\$96,021
November	775	0	100%	932,820	1,204	\$0.053	\$49,902	4,788	6.18	\$12.19	\$58,371	0	\$4.50	\$0	\$108,273
December	914	0	100%	996,191	1,090	\$0.055	\$54,524	5,646	6.18	\$12.19	\$68,840	0	\$4.50	\$0	\$123,364
1st half yr	2251	660		7,423,270	2,550	\$0.054	\$399,879	13,905	4.78	\$12.19	\$169,540	0	\$4.50	\$0	\$569,419
January	1141	0	100%	963,989	845	\$0.045	\$43,632	7,048	6.18	\$12.19	\$85,937	0	\$4.50	\$0	\$129,570
February	1034	0	100%	872,225	844	\$0.047	\$41,182	6,387	6.18	\$12.19	\$77,878	0	\$4.50	\$0	\$119,061
March	971	0	100%	1,013,282	1,044	\$0.044	\$44,411	5,998	6.18	\$12.19	\$73,133	0	\$4.50	\$0	\$117,545
April	550	0	100%	1,082,151	1,968	\$0.051	\$54,682	3,398	6.18	\$12.19	\$41,425	0	\$4.50	\$0	\$96,107
May	157	94	100%	1,173,500	4,675	\$0.050	\$59,217	970	3.86	\$12.19	\$11,825	0	\$4.50	\$0	\$71,042
June	31	162	100%	1,426,420	7,391	\$0.048	\$69,040	192	0.99	\$12.19	\$2,335	0	\$4.50	\$0	\$71,375
2nd half yr	3884	256		6,531,567	1,578	\$0.048	\$312,166	23,993	5.80	\$12.19	\$292,534	0	\$4.50	\$0	\$604,699
TOTAL YEAR	6135	916		13,954,837	1,979	\$0.051	\$712,045	37,899	5.37	\$12.19	\$482,073	0	\$4.50	\$0	\$1,174,118

Building Data:	1976	Energy Consumption to BTU Conversions	BTU's x 1,000	47,627,859
Gross Area (ft)2	378,123	Electricity = KWH X 3413		
Gross Volume (ft)3	3,024,984	Steam = M (lbs) X 1,000,000	37,898,562	
General Notes:		Fuel Oil = Gallons X 138,690	0	
		Other Fuel	0	
		TOTAL BTU's x 1,000	85,526,420	

COST / SQ. FT. / YEAR	\$3.11
WATER / SQ. FT. / YEAR	\$0.68

BUILDING: Kobacker Hall
FY YEAR: 2013
DATE: 09/13/14

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	403	100%	8,631	21	\$0.052	\$449	0	0.00	\$12.19	\$0	0	\$4.50	\$0
August	3	184	100%	7,549	40	\$0.053	\$401	2	0.01	\$12.19	\$25	0	\$4.50	\$0
September	145	67	100%	9,854	46	\$0.056	\$553	97	0.46	\$12.19	\$1,188	0	\$4.50	\$0
October	414	6	100%	9,246	22	\$0.055	\$505	278	0.66	\$12.19	\$3,393	0	\$4.50	\$0
November	775	0	100%	8,229	11	\$0.053	\$440	521	0.67	\$12.19	\$6,351	0	\$4.50	\$0
December	914	0	100%	9,650	11	\$0.055	\$528	614	0.67	\$12.19	\$7,490	0	\$4.50	\$0
1st half yr	2251	680		53,159	18	\$0.054	\$2,877	1,513	0.52	\$12.19	\$18,446	0	\$4.50	\$0
January	1141	0	100%	9,255	8	\$0.045	\$419	767	0.67	\$12.19	\$9,350	0	\$4.50	\$0
February	1034	0	100%	8,530	8	\$0.047	\$403	695	0.67	\$12.19	\$8,473	0	\$4.50	\$0
March	971	0	100%	9,660	10	\$0.044	\$423	653	0.67	\$12.19	\$7,957	0	\$4.50	\$0
April	550	0	100%	8,933	16	\$0.051	\$451	370	0.67	\$12.19	\$4,507	0	\$4.50	\$0
May	157	94	100%	8,837	35	\$0.050	\$446	106	0.42	\$12.19	\$1,287	0	\$4.50	\$0
June	31	162	100%	9,168	48	\$0.048	\$444	21	0.11	\$12.19	\$254	0	\$4.50	\$0
2nd half yr	3884	256		54,383	13	\$0.048	\$2,586	2,610	0.63	\$12.19	\$31,828	0	\$4.50	\$0
TOTAL/YEAR	6135	916		107,542	15	\$0.051	\$5,463	4,123	0.58	\$12.19	\$50,274	0	\$4.50	\$0

Building Data:	1982	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	41,140	Electricity = KWH X 3413	367,041
Gross Volume (ft)3	329,120	Steam = M (lbs) X 1,000,000	4,123,385
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	4,490,426

Energy Utilization Index =
Total BTU Consumption/Yr 4,490,426,175
Gross Area (ft) 2 41,140
Divided by 100,000 = 1.0915 THERMS

COST / SQ. FT. / YEAR \$1.35

WATER / SQ. FT. / YEAR \$0.13

BUILDING: Lab Incubator
FY YEAR: 2013
DATE: 09/13/14

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	403	100%	5,068	13	\$0.052	\$264	19	0.05	\$9.73	185	0	\$4.50	\$0	\$449
August	3	184	100%	5,431	29	\$0.053	\$289	21	0.11	\$10.23	215	0	\$4.50	\$0	\$503
September	145	67	100%	5,407	26	\$0.056	\$303	17	0.08	\$10.37	176	0	\$4.50	\$0	\$480
October	414	6	100%	3,081	7	\$0.055	\$168	16	0.04	\$9.03	145	0	\$4.50	\$0	\$313
November	775	0	100%	2,022	3	\$0.053	\$108	19	0.02	\$8.41	160	0	\$4.50	\$0	\$268
December	914	0	100%	2,525	3	\$0.055	\$138	22	0.02	\$5.92	130	0	\$4.50	\$0	\$269
1st half yr	2251	660		23,534	8	\$0.054	\$1,271	114	0.04	\$8.86	\$1,010	0	\$4.50	\$0	\$2,281
January	1141	0	100%	2,354	2	\$0.045	\$107	22	0.02	\$5.72	126	0	\$4.50	\$0	\$232
February	1034	0	100%	2,329	2	\$0.047	\$110	20	0.02	\$3.92	78	0	\$4.50	\$0	\$188
March	971	0	100%	2,650	3	\$0.044	\$116	19	0.02	\$3.93	75	0	\$4.50	\$0	\$191
April	550	0	100%	2,581	5	\$0.051	\$130	16	0.03	\$4.18	67	0	\$4.50	\$0	\$197
May	157	94	100%	2,391	10	\$0.050	\$121	16	0.06	\$4.07	65	0	\$4.50	\$0	\$186
June	31	162	100%	2,917	15	\$0.048	\$141	16	0.08	\$4.56	73	0	\$4.50	\$0	\$214
2nd half yr	3884	256		15,222	4	\$0.048	\$725	109	0.03	\$4.44	\$484	0	\$4.50	\$0	\$1,209
TOTAL/YEAR	6135	916		38,756	5	\$0.051	\$1,995	223	0.03	\$6.70	\$1,494	0	\$4.50	\$0	\$3,490

Building Data:	1965	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	20,533	Electricity = KWH X 3413	132,274
Gross Volume (ft)3	164,264	Natural Gas = MCF X 102,500	22,858
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	155,132

Energy Utilization Index =
Total BTU Consumption/Yr 155,131,728
Gross Area (ft)2 20,533
Divided by 100,000 = 0.0756 THERMS

COST / SQ. FT. / YEAR \$0.17

WATER / SQ. FT. / YEAR \$0.04

BUILDING: Mulford Library
 FY YEAR: 2013
 DATE: 09/13/14

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)	Cost per M(Lbs)	Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	171,987	427	\$0.052	\$8,950	0	\$12.19	\$0	\$8,950
August	3	184	100%	153,986	823	\$0.053	\$8,182	7	\$12.19	\$0	\$8,265
September	145	67	100%	167,363	789	\$0.056	\$9,394	327	\$12.19	\$0	\$13,378
October	414	6	100%	156,242	372	\$0.055	\$8,537	933	\$12.19	\$0	\$19,911
November	775	0	100%	136,158	176	\$0.053	\$7,284	1,746	\$12.19	\$0	\$28,576
December	914	0	100%	157,961	173	\$0.055	\$8,646	2,060	\$12.19	\$0	\$33,757
1st half yr	2251	660		943,697	324	\$0.054	\$50,993	5,072	\$12.19	\$0	\$112,837
January	1141	0	100%	150,068	132	\$0.045	\$6,792	2,571	\$12.19	\$0	\$38,140
February	1034	0	100%	136,252	132	\$0.047	\$6,433	2,330	\$12.19	\$0	\$34,841
March	971	0	100%	153,519	158	\$0.044	\$6,729	2,188	\$12.19	\$0	\$33,406
April	550	0	100%	160,295	291	\$0.051	\$8,100	1,239	\$12.19	\$0	\$23,211
May	157	94	100%	159,622	636	\$0.050	\$8,055	354	\$12.19	\$0	\$12,368
June	31	162	100%	173,318	898	\$0.048	\$8,389	70	\$12.19	\$0	\$9,240
2nd half yr	3884	256		933,074	225	\$0.048	\$44,498	8,752	\$12.19	\$0	\$151,207
TOTAL/YEAR	6135	916		1,876,771	286	\$0.051	\$95,491	13,824	\$12.19	\$0	\$284,044

Building Data:	1973	Energy Consumption to BTU Conversions	BTU's x 1,000	Energy Utilization Index =
Gross Area (ft2)	137,930	Electricity = KWH X 3413	6,405,419	
Gross Volume (ft3)	1,103,440	Steam = M (lbs) X 1,000,000	13,824,466	Total BTU Consumption/Yr 20,229,885,597
General Notes:		Fuel Oil = Gallons X 136,690	0	Gross Area (ft) 2 137,930
		Other Fuel	0	Divided by 100,000 = 1.4667 THERMS
		TOTAL BTU's x 1,000	20,229,886	

COST / SQ. FT. / YEAR \$1.91
 WATER / SQ. FT. / YEAR \$0.00

BUILDING: Northwest Ohio Medical Technology Center
 FY YEAR: 2013
 DATE: 09/13/14

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	FUEL OIL	
														Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	133,628	332	\$0.052	\$6,954	139	0.34	\$9.73	1,352	0	\$4.50	\$0	\$8,306
August	3	184	100%	119,801	641	\$0.053	\$6,366	123	0.66	\$10.23	1,259	0	\$4.50	\$0	\$7,624
September	145	67	100%	104,992	495	\$0.056	\$5,893	120	0.57	\$10.37	1,244	0	\$4.50	\$0	\$7,137
October	414	6	100%	73,825	176	\$0.055	\$4,034	134	0.32	\$13.11	1,757	0	\$4.50	\$0	\$5,790
November	775	0	100%	56,984	74	\$0.053	\$3,048	178	0.23	\$8.41	1,496	0	\$4.50	\$0	\$4,545
December	914	0	100%	64,313	70	\$0.055	\$3,520	245	0.27	\$5.92	1,451	0	\$4.50	\$0	\$4,971
1st half yr	2251	660		553,543	190	\$0.054	\$29,815	939	0.32	\$9.11	\$8,559	0	\$4.50	\$0	\$38,374
January	1141	0	100%	57,571	50	\$0.045	\$2,606	280	0.25	\$5.72	1,602	0	\$4.50	\$0	\$4,208
February	1034	0	100%	56,058	54	\$0.047	\$2,647	345	0.33	\$4.12	1,423	0	\$4.50	\$0	\$4,070
March	971	0	100%	62,614	64	\$0.044	\$2,744	385	0.40	\$3.93	1,513	0	\$4.50	\$0	\$4,257
April	550	0	100%	70,586	128	\$0.051	\$3,567	341	0.62	\$4.18	1,426	0	\$4.50	\$0	\$4,993
May	157	94	100%	102,003	406	\$0.050	\$5,147	391	1.56	\$4.07	1,590	0	\$4.50	\$0	\$6,737
June	31	162	100%	119,356	618	\$0.048	\$5,777	289	1.50	\$4.56	1,318	0	\$4.50	\$0	\$7,095
2nd half yr	3884	256		468,188	113	\$0.048	\$22,488	2,031	0.49	\$4.37	\$8,873	0	\$4.50	\$0	\$31,361
TOTAL/YEAR	6135	916		1,021,731	145	\$0.051	\$52,303	2,970	0.42	\$5.87	\$17,432	0	\$4.50	\$0	\$69,735

Building Data:	1998	Energy Consumption to BTU Conversions	
Gross Area (ft)2	38,614	BTU's x 1,000	
Gross Volume (ft)3	308,912	Electricity = KWH X 3413	
General Notes:		Natural Gas = MCF X 102,500	
		Fuel Oil = Gallons X 138,690	
		Other Fuel	
		TOTAL BTU's x 1,000	
		3,791,593	

Energy Utilization Index =	
Total BTU Consumption/Yr	3,791,592,903
Gross Area (ft) 2	38,614
Divided by 100,000 =	0.9819
	THERMS

COST / SQ. FT. / YEAR \$1.81
 WATER / SQ. FT. / YEAR \$0.11

BUILDING: Paul Block Jr. Health Science Building
FY YEAR: 2013

DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	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)	
July	0	403	100%	517,500	\$28,931	0	0.00	\$12.19	\$0	0	\$4.50	\$26,931
August	3	184	100%	354,925	\$18,860	8	0.04	\$12.19	\$101	0	\$4.50	\$18,961
September	145	67	100%	429,112	\$24,085	400	1.89	\$12.19	\$4,874	0	\$4.50	\$28,960
October	414	6	100%	447,856	\$24,471	1,141	2.72	\$12.19	\$13,917	0	\$4.50	\$38,387
November	775	0	100%	352,844	\$18,876	2,137	2.76	\$12.19	\$26,052	0	\$4.50	\$44,928
December	914	0	100%	456,858	\$25,005	2,520	2.76	\$12.19	\$30,725	0	\$4.50	\$55,730
1st half yr	2251	660		2,559,095	\$138,227	6,206	2.13	\$12.19	\$75,669	0	\$4.50	\$213,896
January	1141	0	100%	382,806	\$17,327	3,146	2.76	\$12.19	\$38,356	0	\$4.50	\$55,682
February	1034	0	100%	372,976	\$17,610	2,851	2.76	\$12.19	\$34,759	0	\$4.50	\$52,369
March	971	0	100%	418,767	\$18,354	2,677	2.76	\$12.19	\$32,641	0	\$4.50	\$50,995
April	550	0	100%	385,654	\$19,993	1,516	2.76	\$12.19	\$18,489	0	\$4.50	\$38,482
May	157	94	100%	406,359	\$20,506	433	1.72	\$12.19	\$5,278	0	\$4.50	\$25,783
June	31	162	100%	520,952	\$25,215	85	0.44	\$12.19	\$1,042	0	\$4.50	\$26,257
2nd half yr	3884	256		2,497,514	\$119,004	10,709	2.59	\$12.19	\$130,564	0	\$4.50	\$249,568
TOTAL YEAR	6135	916		5,056,609	\$257,231	16,915	2.40	\$12.19	\$206,233	0	\$4.50	\$463,464

Building Data:		1970	Energy Consumption to BTU Conversions		BTU's x 1,000
Gross Area (ft)2	188,764		Electricity = KWH X 3413		17,258,207
Gross Volume (ft)3	1,350,112		Steam = M (lbs) X 1,000,000		16,914,900
General Notes:			Fuel Oil = Gallons X 138,690		0
			Other Fuel		0
			TOTAL BTU's x 1,000		34,173,107

Energy Utilization Index =	
Total BTU Consumption/Yr	34,173,106.896
Gross Area (ft)2	188,764
Divided by 100,000 =	2.0249
	THERMS

COST / SQ. FT. / YEAR \$2.75

WATER / SQ. FT. / YEAR \$0.94

BUILDING: Records Retention
 FY YEAR: 2013
 DATE : 09/13/14

MONTH	DEGREE DAYS (DD)		% P.F.	ELECTRICITY		TOTAL	1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling		kWh	kWh per DD			Mcf per DD	Cost per Mcf		Load-shed Hours	Cost per Gal	
July	0	403	100%	23,788	59	\$0,052	1	0.00	\$9.73	10	0	\$4.50	\$1,248
August	3	184	100%	19,663	105	\$0,053	0	0.00	\$0.00	0	0	\$4.50	\$1,045
September	145	67	100%	17,279	82	\$0,056	0	0.00	\$0.00	0	0	\$4.50	\$970
October	414	6	100%	16,363	39	\$0,055	0	0.00	\$0.00	0	0	\$4.50	\$894
November	775	0	100%	14,609	19	\$0,053	0	0.00	\$0.00	0	0	\$4.50	\$782
December	914	0	100%	16,864	18	\$0,055	31	0.03	\$5.92	184	0	\$4.50	\$1,107
1st half yr	2251	660		108,566	37	\$0,054	32	0.01	\$6.04	\$193	0	\$4.50	\$6,045
January	1141	0	100%	15,708	14	\$0,045	117	0.10	\$5.72	669	0	\$4.50	\$1,380
February	1034	0	100%	16,255	16	\$0,047	170	0.16	\$4.38	744	0	\$4.50	\$1,512
March	971	0	100%	16,939	17	\$0,044	224	0.23	\$3.93	880	0	\$4.50	\$1,623
April	550	0	100%	16,177	29	\$0,051	209	0.38	\$4.18	874	0	\$4.50	\$1,692
May	157	94	100%	17,683	70	\$0,050	173	0.69	\$4.07	704	0	\$4.50	\$1,596
June	31	162	100%	20,935	108	\$0,048	86	0.45	\$4.56	392	0	\$4.50	\$1,406
2nd half yr	3884	256		103,697	25	\$0,048	979	0.24	\$4.36	\$4,264	0	\$4.50	\$9,208
TOTAL/YEAR	6135	916		212,263	30	\$0,051	1,011	0.14	\$4.41	\$4,457	0	\$4.50	\$15,253

Building Data:	1956	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	32,086	Electricity = KWH X 3413	724,454
Gross Volume (ft)3	256,688	Natural Gas = MCF X 102,500	103,628
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	828,081

Energy Utilization Index =

Total BTU Consumption/Yr 828,081.119

Gross Area (ft)2 32,086

Divided by 100,000 =

0.2581

THERMS

COST / SQ. FT. / YEAR \$0.48

WATER / SQ. FT. / YEAR \$0.22

BUILDING: Ruppert Health Center
FY YEAR: 2013

DATE: 09/13/14

MONTH	DEGREE DAYS (DD)			ELECTRICITY		M (LBS)	PURCHASED STEAM		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	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL
July	0	403	100%	169,921	422	\$0.052	\$8,843	0	0.00	\$12.19	\$0	0	\$4.50	\$0	\$8,843
August	3	184	100%	128,702	688	\$0.053	\$6,839	6	0.03	\$12.19	\$68	0	\$4.50	\$0	\$6,907
September	145	67	100%	140,893	665	\$0.056	\$7,908	270	1.28	\$12.19	\$3,296	0	\$4.50	\$0	\$11,204
October	414	6	100%	145,028	345	\$0.055	\$7,924	772	1.84	\$12.19	\$9,411	0	\$4.50	\$0	\$17,335
November	775	0	100%	131,474	170	\$0.053	\$7,033	1,445	1.86	\$12.19	\$17,618	0	\$4.50	\$0	\$24,651
December	914	0	100%	134,541	147	\$0.055	\$7,364	1,704	1.86	\$12.19	\$20,778	0	\$4.50	\$0	\$28,141
1st half yr	2251	660		850,559	292	\$0.054	\$45,911	4,197	1.44	\$12.19	\$51,171	0	\$4.50	\$0	\$97,082
January	1141	0	100%	130,134	114	\$0.045	\$5,890	2,127	1.86	\$12.19	\$25,938	0	\$4.50	\$0	\$31,828
February	1034	0	100%	122,065	118	\$0.047	\$5,763	1,928	1.86	\$12.19	\$23,505	0	\$4.50	\$0	\$29,269
March	971	0	100%	134,056	138	\$0.044	\$5,876	1,810	1.86	\$12.19	\$22,073	0	\$4.50	\$0	\$27,949
April	550	0	100%	122,529	223	\$0.051	\$6,192	1,025	1.86	\$12.19	\$12,503	0	\$4.50	\$0	\$18,694
May	157	94	100%	108,853	438	\$0.050	\$5,543	293	1.17	\$12.19	\$3,569	0	\$4.50	\$0	\$9,112
June	31	162	100%	127,974	663	\$0.048	\$6,194	58	0.30	\$12.19	\$705	0	\$4.50	\$0	\$6,899
2nd half yr	3884	256		746,611	180	\$0.048	\$35,458	7,242	1.75	\$12.19	\$88,293	0	\$4.50	\$0	\$123,751
TOTAL/YEAR	6135	916		1,597,169	227	\$0.051	\$81,369	11,439	1.62	\$12.19	\$139,464	0	\$4.50	\$0	\$220,833

Building Data:	1985	Energy Consumption to BTU Conversions		BTU's x 1,000		Energy Utilization Index =	
Gross Area (ft)2	114,126	Electricity = KWH X 3413		5,451,138			
Gross Volume (ft)3	913,008	Steam = M (lbs) X 1,000,000		11,438,636		Total BTU Consumption/Yr 16,889,773,529	
General Notes:		Fuel Oil = Gallons X 138,690		0		Gross Area (ft) 2 114,126	
		Other Fuel		0		Divided by 100,000 = 1.4789	
		TOTAL BTU's x 1,000		16,889,774		THERMS	

COST / SQ. FT. / YEAR \$1.93

WATER / SQ. FT. / YEAR \$0.35

BUILDING: Veterans Administration Bldg. DATE: 09/13/14
 FY YEAR: 2013

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 Gsl	
July	0	403	100%	185	\$0.052	\$3,888	17	0.04	\$9.33	159	0	\$4.50	\$4,046
August	3	184	100%	370	\$0.053	\$3,679	14	0.07	\$10.13	142	0	\$4.50	\$3,821
September	145	67	100%	199	\$0.056	\$2,364	14	0.07	\$10.10	141	0	\$4.50	\$2,505
October	414	6	100%	93	\$0.055	\$2,137	14	0.03	\$10.58	148	0	\$4.50	\$2,285
November	775	0	100%	50	\$0.053	\$2,082	15	0.02	\$9.81	147	0	\$4.50	\$2,239
December	914	0	100%	44	\$0.055	\$2,195	21	0.02	\$7.54	158	0	\$4.50	\$2,354
1st half yr	2251	660		105	\$0.054	\$16,355	95	0.03	\$9.43	\$895	0	\$4.50	\$17,250
January	1141	0	100%	10	\$0.045	\$542	71	0.06	\$5.86	416	0	\$4.50	\$958
February	1034	0	100%	14	\$0.047	\$681	161	0.16	\$5.02	808	0	\$4.50	\$1,488
March	971	0	100%	15	\$0.044	\$632	211	0.22	\$4.44	936	0	\$4.50	\$1,568
April	550	0	100%	23	\$0.051	\$641	253	0.46	\$4.58	1,160	0	\$4.50	\$1,801
May	157	94	100%	48	\$0.050	\$608	251	1.00	\$4.12	1,033	0	\$4.50	\$1,641
June	31	162	100%	74	\$0.048	\$695	111	0.58	\$5.12	568	0	\$4.50	\$1,263
2nd half yr	3884	256		19	\$0.048	\$3,797	1,058	0.26	\$4.65	\$4,921	0	\$4.50	\$8,718
TOTAL/YEAR	6135	916		54	\$0.051	\$20,152	1,153	0.16	\$5.04	\$5,816	0	\$4.50	\$25,968

Building Data:	1978	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	40,447	Electricity = KWH X 3413	1,311,469
Gross Volume (ft)3	323,576	Natural Gas = MCF X 102,500	118,183
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	1,429,652

COST / SQ. FT. / YEAR	\$0.64
WATER / SQ. FT. / YEAR	\$0.10

Energy Utilization Index =	
Total BTU Consumption/Yr	1,429,651,641
Gross Area (ft) 2	40,447
Divided by 100,000 =	0.3535
THERMS	

BUILDING: Basic Science Lab-Classroom Ctr-Allied Health
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	99,027	246	\$0.099	\$9,782	0	0.00	\$0.00	\$0	0	\$4.50	\$0
August	3	184	100%	99,271	531	\$0.104	\$10,310	0	0.00	\$0.00	\$0	0	\$4.50	\$0
September	145	67	100%	91,589	432	\$0.096	\$8,829	0	0.00	\$0.00	\$0	0	\$4.50	\$0
October	414	6	100%	90,161	215	\$0.081	\$7,278	0	0.00	\$0.00	\$0	0	\$4.50	\$0
November	775	0	100%	105,813	137	\$0.078	\$8,290	0	0.00	\$0.00	\$0	0	\$4.50	\$0
December	914	0	100%	146,592	160	\$0.076	\$11,172	0	0.00	\$0.00	\$0	0	\$4.50	\$0
1st half yr	2251	660		632,453	217	\$0.089	\$55,660	0	0.00	\$0.00	\$0	0	\$4.50	\$0
January	1141	0	100%	149,585	131	\$0.076	\$11,335	0	0.00	\$0.00	\$0	0	\$4.50	\$0
February	1034	0	100%	156,181	151	\$0.077	\$12,026	0	0.00	\$0.00	\$0	0	\$4.50	\$0
March	971	0	100%	153,188	158	\$0.083	\$12,767	0	0.00	\$0.00	\$0	0	\$4.50	\$0
April	550	0	100%	124,575	227	\$0.098	\$12,270	0	0.00	\$0.00	\$0	0	\$4.50	\$0
May	157	94	100%	76,722	306	\$0.109	\$8,370	0	0.00	\$0.00	\$0	0	\$4.50	\$0
June	31	162	100%	73,476	381	\$0.102	\$7,509	0	0.00	\$0.00	\$0	0	\$4.50	\$0
2nd half yr	3884	256		733,727	177	\$0.091	\$64,278	0	0.00	\$0.00	\$0	0	\$4.50	\$0
TOTAL/YEAR	6135	916		1,366,181	194	\$0.090	\$119,938	0	0.00	\$0.00	\$0	0	\$4.50	\$0

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	77,096	Electricity = KWH X 3413	4,662,775
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	4,662,775

Energy Utilization Index =

$$\frac{\text{Total BTU Consumption/Yr}}{\text{Gross Area (ft) }^2}$$

4,662,774,729

77,096

Divided by 100,000 =

0.6048

THERMS

COST / SQ. FT. / YEAR \$1.56

WATER / SQ. FT. / YEAR \$0.10

BUILDING: Engineering Tech Lab Center
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	1000 cubic feet (Mcf)	NATURAL GAS		TOTAL	FUEL OIL		TOTAL ENERGY COST
	Heating	Cooling	% P.F.	kWh			kWh per DD	Cost per kWh		Load-shed Hours	Cost per Gal	
July	0	403	100%	26,885	67	0	0.00	\$0.099	\$2,656	0	\$4.50	\$0
August	3	184	100%	17,030	91	0	0.00	\$0.104	\$1,769	0	\$4.50	\$0
September	145	67	100%	15,743	74	0	0.00	\$0.096	\$1,518	0	\$4.50	\$0
October	414	6	100%	30,817	73	0	0.00	\$0.081	\$2,488	0	\$4.50	\$0
November	775	0	100%	55,571	72	0	0.00	\$0.078	\$4,354	0	\$4.50	\$0
December	914	0	100%	88,790	97	0	0.00	\$0.076	\$6,767	0	\$4.50	\$0
1st half yr	2251	660		234,835	81	0	0.00	\$0.089	\$19,550	0	\$4.50	\$0
January	1141	0	100%	83,526	73	0	0.00	\$0.076	\$6,329	0	\$4.50	\$0
February	1034	0	100%	87,218	84	0	0.00	\$0.077	\$6,716	0	\$4.50	\$0
March	971	0	100%	89,350	92	0	0.00	\$0.083	\$7,447	0	\$4.50	\$0
April	550	0	100%	46,278	84	0	0.00	\$0.098	\$4,558	0	\$4.50	\$0
May	157	94	100%	34,551	138	0	0.00	\$0.109	\$3,769	0	\$4.50	\$0
June	31	162	100%	44,724	232	0	0.00	\$0.102	\$4,571	0	\$4.50	\$0
2nd half yr	3884	256		385,646	93	0	0.00	\$0.091	\$33,390	0	\$4.50	\$0
TOTAL/YEAR	6135	916		620,481	88	0	0.00	\$0.090	\$52,940	0	\$4.50	\$0

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	24,812	Electricity = KWH X 3413	2,117,700
Gross Volume (ft)3	198,496	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	2,117,700

Energy Utilization Index =	
Total BTU Consumption/Yr	2,117,699,947
Gross Area (ft) 2	24,812
Divided by 100,000 =	0.8535
	THERMS

COST / SQ. FT. / YEAR \$2.13

WATER / SQ. FT. / YEAR \$0.10

BUILDING: Faculty Annex
FY YEAR: 2013
DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		ELECTRICITY		TOTAL	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	
July	0	403	100%	18,481	46	\$0.099	0	0.00	\$0.00	\$0
August	3	184	100%	20,121	108	\$0.104	0	0.00	\$0.00	\$0
September	145	67	100%	18,086	85	\$0.096	0	0.00	\$0.00	\$0
October	414	6	100%	14,529	35	\$0.081	0	0.00	\$0.00	\$0
November	775	0	100%	14,547	19	\$0.078	0	0.00	\$0.00	\$0
December	914	0	100%	20,257	22	\$0.076	0	0.00	\$0.00	\$0
1st half yr	2251	660		106,121	36	\$0.089	0	0.00	\$0.00	\$0
January	1141	0	100%	19,105	17	\$0.076	0	0.00	\$0.00	\$0
February	1034	0	100%	20,638	20	\$0.077	0	0.00	\$0.00	\$0
March	971	0	100%	20,171	21	\$0.083	0	0.00	\$0.00	\$0
April	550	0	100%	17,363	32	\$0.098	0	0.00	\$0.00	\$0
May	157	94	100%	13,038	52	\$0.109	0	0.00	\$0.00	\$0
June	31	162	100%	13,881	72	\$0.102	0	0.00	\$0.00	\$0
2nd half yr	3884	256		104,194	25	\$0.091	0	0.00	\$0.00	\$0
TOTAL YEAR	6135	916		210,315	30	\$0.090	0	0.00	\$0.00	\$0

Building Data:	1993	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	8,895	Electricity = KWH X 3413	717,806
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	717,806

COST / SQ. FT. / YEAR	\$2.11
WATER / SQ. FT. / YEAR	\$0.10

BUILDING: Findlay Athletic Complex
 FY YEAR: 2013
 DATE: 09/13/14

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	403	100%	9,300	23	\$0.099	\$919	7	0.02	\$8.88	59	0	\$4.50	\$0
August	3	184	100%	10,260	55	\$0.104	\$1,066	22	0.12	\$7.41	184	0	\$4.50	\$0
September	145	67	100%	7,080	33	\$0.096	\$682	20	0.10	\$6.00	122	0	\$4.50	\$0
October	414	6	100%	5,950	14	\$0.081	\$480	41	0.10	\$3.69	151	0	\$4.50	\$0
November	775	0	100%	5,540	7	\$0.078	\$434	99	0.13	\$2.75	271	0	\$4.50	\$0
December	914	0	100%	5,540	6	\$0.076	\$422	182	0.20	\$2.66	484	0	\$4.50	\$0
1st half yr	2251	680		43,670	15	\$0.089	\$4,003	370	0.13	\$3.38	\$1,250	0	\$4.50	\$0
January	1141	0	100%	5,540	5	\$0.076	\$420	299	0.26	\$3.04	910	0	\$4.50	\$0
February	1034	0	100%	6,496	6	\$0.077	\$500	396	0.38	\$3.50	1,382	0	\$4.50	\$0
March	971	0	100%	6,496	7	\$0.083	\$541	428	0.44	\$4.23	1,809	0	\$4.50	\$0
April	550	0	100%	11,121	20	\$0.098	\$1,095	440	0.80	\$4.71	2,073	0	\$4.50	\$0
May	157	94	100%	6,469	26	\$0.109	\$706	293	1.17	\$5.75	1,684	0	\$4.50	\$0
June	31	162	100%	6,287	33	\$0.102	\$643	210	1.09	\$6.51	1,364	0	\$4.50	\$0
2nd half yr	3884	256		42,410	10	\$0.091	\$3,905	2,066	0.50	\$4.46	\$9,221	0	\$4.50	\$0
TOTAL/YEAR	6135	916		86,080	12	\$0.090	\$7,908	2,436	0.35	\$4.30	\$10,472	0	\$4.50	\$0

Building Data:	2000	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	6,593	Electricity = KWH X 3413	293,791
Gross Volume (ft)3	52,744	Natural Gas = MCF X 102,500	249,649
General Notes:		Fuel Oil = Gallons X 138,690	0
		Other Fuel	0
		TOTAL BTU's x 1,000	543,440

Energy Utilization Index =

Total BTU Consumption/Yr 543,439,699
 Gross Area (ft) 2 6,593

Divided by 100,000 =

0.8243 THERMS

COST / SQ. FT. / YEAR \$2.79

WATER / SQ. FT. / YEAR \$0.10

BUILDING: LRC ASC and Concourse
 FY YEAR: 2013
 DATE: 09/13/14

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	kWh per DD		Mcf per DD	Cost per Mcf			Cost per Gal	@20 Gal/Hr TOTAL	
July	0	403	100%	118,081	293	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$11,665
August	3	184	100%	101,816	544	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$10,574
September	145	67	100%	101,438	478	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$9,778
October	414	6	100%	140,516	335	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$11,343
November	775	0	100%	224,174	289	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$17,563
December	914	0	100%	305,174	334	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$23,257
1st half yr	2251	660		991,209	341	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$84,180
January	1141	0	100%	289,512	254	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$21,939
February	1034	0	100%	307,626	298	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$23,687
March	971	0	100%	311,052	320	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$25,924
April	550	0	100%	224,625	408	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$22,125
May	157	94	100%	147,782	569	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$16,123
June	31	162	100%	100,126	519	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$10,233
2nd half yr	3884	256		1,380,723	334	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$120,031
TOTAL/YEAR	6135	916		2,371,932	336	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$204,210

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	127,430	Electricity = KWH X 3413	8,095,404
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	8,095,404

COST / SQ. FT. / YEAR	\$1.60
WATER / SQ. FT. / YEAR	\$0.10

BUILDING: Non-Academic Services Center
 FY YEAR: 2013
 DATE: 09/13/14

MONTH	DEGREE DAYS (DD)		% P.F.	kWh	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	403	100%	168,735	419	\$0.089	0	0.00	\$0.00	0	\$4.50	\$0	\$16,667
August	3	184	100%	139,430	746	\$0.104	0	0.00	\$0.00	0	\$4.50	\$0	\$14,481
September	145	67	100%	93,449	441	\$0.096	0	0.00	\$0.00	0	\$4.50	\$0	\$9,008
October	414	6	100%	31,011	74	\$0.081	0	0.00	\$0.00	0	\$4.50	\$0	\$2,503
November	775	0	100%	15,355	20	\$0.078	0	0.00	\$0.00	0	\$4.50	\$0	\$1,203
December	914	0	100%	39,167	43	\$0.076	0	0.00	\$0.00	0	\$4.50	\$0	\$2,985
1st half yr	2251	660		487,146	167	\$0.089	0	0.00	\$0.00	0	\$4.50	\$0	\$46,847
January	1141	0	100%	42,747	37	\$0.076	0	0.00	\$0.00	0	\$4.50	\$0	\$3,239
February	1034	0	100%	40,438	39	\$0.077	0	0.00	\$0.00	0	\$4.50	\$0	\$3,114
March	971	0	100%	36,522	38	\$0.083	0	0.00	\$0.00	0	\$4.50	\$0	\$3,044
April	550	0	100%	19,949	36	\$0.098	0	0.00	\$0.00	0	\$4.50	\$0	\$1,965
May	157	94	100%	77,536	309	\$0.109	0	0.00	\$0.00	0	\$4.50	\$0	\$8,459
June	31	162	100%	111,528	578	\$0.102	0	0.00	\$0.00	0	\$4.50	\$0	\$11,398
2nd half yr	3884	256		328,719	79	\$0.091	0	0.00	\$0.00	0	\$4.50	\$0	\$31,219
TOTAL/YEAR	6135	916		815,866	116	\$0.090	0	0.00	\$0.00	0	\$4.50	\$0	\$78,066

Building Data:	1969	Energy Consumption to BTU Conversions	BTU's x 1,000
Gross Area (ft)2	14,881	Electricity = KWH X 3413	2,784,549
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	2,784,549

Energy Utilization Index =

Total BTU Consumption/Yr	2,784,548,952
Gross Area (ft)2	14,881
Divided by 100,000 =	1.8712
	THERMS

COST / SQ. FT. /YEAR \$5.25

WATER /SQ. FT. /YEAR \$0.10

BUILDING: Scott Park Student Center
FY YEAR: 2013

DATE: 09/13/14

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	403	100%	43,798	109	\$0.099	\$4,326	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,326
August	3	184	100%	44,365	237	\$0.104	\$4,608	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,608
September	145	67	100%	47,253	223	\$0.096	\$4,555	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,555
October	414	6	100%	53,188	127	\$0.081	\$4,294	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,294
November	775	0	100%	67,272	87	\$0.078	\$5,270	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,270
December	914	0	100%	80,710	88	\$0.076	\$6,151	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,151
1st half/yr	2251	660		336,587	116	\$0.089	\$29,203	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$29,203
January	1141	0	100%	74,619	65	\$0.076	\$5,655	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,655
February	1034	0	100%	84,351	82	\$0.077	\$6,495	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,495
March	971	0	100%	78,188	81	\$0.083	\$6,516	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,516
April	550	0	100%	47,114	86	\$0.098	\$4,641	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,641
May	157	94	100%	35,223	140	\$0.109	\$3,843	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,843
June	31	162	100%	36,136	187	\$0.102	\$3,693	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,693
2nd half/yr	3884	256		355,630	86	\$0.091	\$30,842	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$30,842
TOTAL/YEAR	6135	916		692,217	98	\$0.090	\$60,046	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$60,046

Building Data: 1974 Energy Consumption to BTU Conversions

BTU's x 1,000
2,362,536

Electricity = KWH X 3413

Energy Utilization Index =

Gross Area (ft²) 30,601

Natural Gas = MCF X 102,500

Fuel Oil = Gallons X 138,690

Other Fuel

TOTAL BTU's x 1,000

2,362,536

Divided by 100,000 =

0.7720

THERMS

COST / SQ. FT. / YEAR \$1.96

WATER / SQ. FT. / YEAR \$0.10