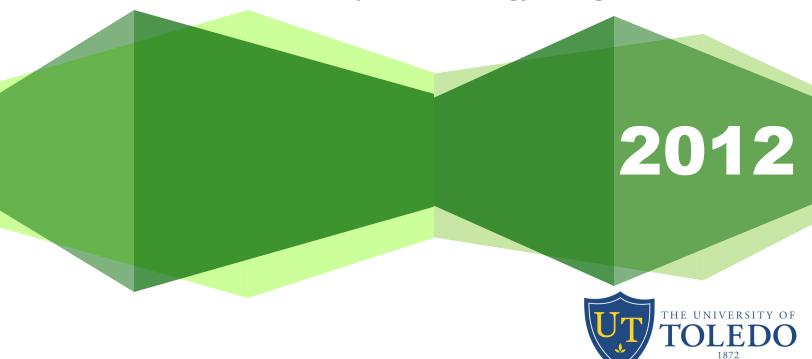
# **Energy Summary** The University of Toledo

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





# **ENERGY SUMMARY**

# FISCAL YEAR 2012

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

### PREPARED BY

Michael Green, P.E. Director, Energy Management

# **TABLE OF CONTENTS**

FY2012 Energy Summary	Page 7
FY2012 Supplemental Information	
FY2013 Energy Outlook	

### Graphs

Degree Day Summary	Page 13
Monthly Degree Days	Page 15
UT Campus Substation Use and Cost Roll Up	Page 17
UT Campus Substation Use per Month	
Main Campus Yearly Substation and Cost	Page 21
Main Campus Monthly Substation and Cost	
Scott Park Campus Monthly Substation Costs	Page 25
Scott Park Campus Monthly Substation and Cost	Page 27
Health Science Campus Monthly Substation Costs	Page 29
Health Science Campus Monthly Substation and Cost	Page 31
UT Campus Steam Plant Combined Coal/Gas Usage	Page 33
UT Campus Yearly Steam Production	Page 35
Main Campus Steam Plant Gas Usage	
Main Campus Monthly Steam Plant Gas	Page 39
Main Campus Yearly Steam Production	Page 41
Main Campus Monthly Steam Production	Page 43
Health Science Campus Powerhouse Coal/Gas Usage	Page 45
Health Science Campus Monthly Powerhouse Coal and Natural Gas	Page 47
Health Science Campus Yearly Steam Production	Page 49
Health Science Campus Monthly Steam Production	Page 51
Health Science Campus Yearly Mechanical Cooling	Page 53

### WEATHER ADJUSTED ENERGY UTILIZATION INDEX GRAPHS

UT Campus Weather Adjusted Energy Utilization Index	Page 55
Main Campus Building Energy Utilization Index	
Academic House—Memorial Field House	-
Main Campus Building Energy Utilization Index	Page 59
Nitschke Hall All—Wolfe Hall	-
Scott Park Campus Building Energy Utilization Index	. Page 61
Health Science Campus Building Energy Utilization Index	. Page 63

### BUILDING UTILITY USAGE

Main Campus	Page 65
Health Science Campus	Page 66
Scott Park Science Campus for Energy and Innovation	

### **BUILDING UTILITY COSTS**

Main Campus	Page 67
Health Science Campus	Page 68
Scott Park Science Campus for Energy and Innovation	Page 68

### ENERGY UTILIZATION INDEX PER BUILDING

Mair	Campus

Academic House	Page 69
Bowmen Oddy	
Carlson Library	-
Carter Hall East and West	•
Center for Performing Arts	
Center for Visual Arts	
Child Care Center	Page 75
The Computer Center	Page 76
The Crossings	Page 77
Dowd Nash White	Page 78
Driscoll Alumni Center	Page 79
Gillham Hall	
Glass Bowl Stadium	Page 81
Grounds	
Health and Human Services	
Health Education Building	
International House	
Lake Erie Center	
Larimer Athletic Complex	•
Law Center	•
Levis House	-
Libbey Hall	•
MacKinnon Hall	•
McComas Village	
McMaster Hall	
Memorial Field House	•
Nitschke Hall	
Nitschke Technology Commercialization Complex	
North Engineering	Page 97

# ENERGY UTILIZATION INDEX PER BUILDING

Main Campus (cont)		
Ottawa House East and West	Page	98
Palmer Hall	Page	99
Parks Tower	Page	100
Peterson House	Page	101
Plant Operations	Page	102
Research and Technology 1	Page	103
Ritter Astrophysical Research Center	Page	104
Rocket Hall	Page	105
Savage Hall	Page	106
Scott Tucker Hall	Page	107
Sculptural Studies	Page	108
Snyder Memorial	Page	109
Stranahan Arboretum	Page	110
Stranahan Hall		111
Student Medical Center		
Student Recreation Center	Page	113
Student Union		
Sullivan Hall	Page	115
Transportation Center	Page	116
University Hall	Page	117
Westwood Research Annex	Page	118
Westwood Building	Page	119
Wolfe Hall	Page	120
Health Science Campus		
Center for Creative Education	. Page	121
Collier Allied Health Building		
Dana Center		
Dowling Hall and the Morse Center		
Facilities Support Building	-	

Dowling Hall and the Morse Center	Page	124
Facilities Support Building	Page	125
Glendale Medical Center	Page	126
Health Education Building	Page	127
Heatherdowns Educare Center	Page	128
Hospital (University of Toledo Medical Center)	Page	129
Kobacker Center.		
Lab Incubator	Page	131
Mulford Library	Page	132
Northwest Ohio Medical Technology Center	Page	133
Paul Block, Jr. Health Science Building	-	
Records Retention		
Ruppert Center	Page	136
Veteran's Administration		

# ENERGY UTILIZATION INDEX PER BUILDING

# Scott Park Campus for Energy & Innovation

Basic Science Laboratory Center	Page	138
Engineering Technology Laboratory Center	Page	139
Faculty Annex	Page	140
Findley Athletic Complex		
Learning Resource Center   Academic Services Center and Concourse	Page	142
Non-Academic Services Center	Page	143
Scott Park Student Center	Page	144

# FY2012 ENERGY SUMMARY

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

### **Electric Usage**

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



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

### **Natural Gas Usage**

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

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

### **Steam Usage**

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

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

### Water & Storm Usage

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



# **FY2012 SUPPLEMENTAL INFORMATION**

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

- Construction of Algae Research Center on the Scott Park Campus (Sridhar Viamajala, Ph.D., Assistant
  - Professor—College of Engineering)
- Completion of exterior LED lighting (James Graff, Director—Facilities Operations)



• Cogeneration gas/electric heating and cooling plant at the Computer Center on the Main Campus

(Chuck Lehnert—Vice President, Office of Administration)

- Boiler 5 installed at the Health Science Campus
   (UT Energy Management Team)
- Carbon monoxide capture project at coal plant with Stanford Research Institute (Lloyd A. Jacobs, M.D., President—The University of Toledo)
- Upgrading campus metering system for improved energy management and proactive maintenance

(Harvey Vershum, Energy Director—Retired)

Student Concept to Creation Senior Design Project | Project: Relighting MIME
 Engineering Machine Shop

(John Jaegly, Engineering Lab Supervisor and Dr. Nagi Naganathan,

Dean—College of Engineering)

• Student senior design rain water collection white paper on system water use

(Defne Apul, Ph.D., Associate Professor— College of Engineering)



# **FY2012 SUPPLEMENTAL INFORMATION**

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



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

# FY2013 ENERGY OUTLOOK

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

### Upcoming Sustainable and Energy Related Projects

- Main Campus Cogeneration Plant at the Computer Center | Partially complete
- Health Science Campus and Medical Center chilled water pumping | Partially complete
- UT daily electrical metering | Partially complete
- UT steam and chilled water metering | In progress
- Main Campus steam and chilled water line extension project | In progress



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

### **Student Centered Projects**

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

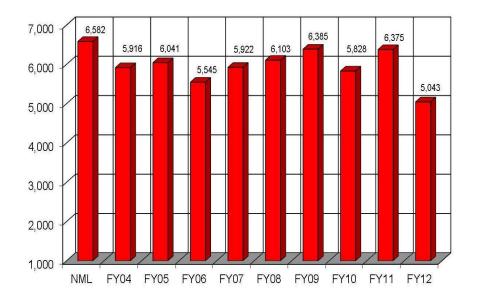
# FY2013 ENERGY OUTLOOK

The University is working to meet the Governor's 20% energy reduction mandate. The energy management group has requested the further funding to do campus wide energy

conservation projects that will achieve this goal and will purse 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.

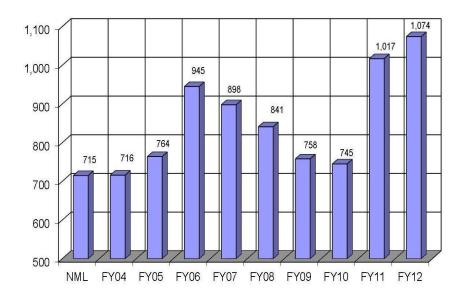


# YEARLY DEGREE DAY SUMMARY

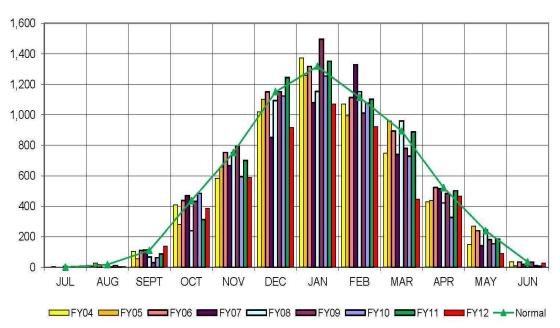


**HEATING DEGREE DAYS** 

### **COOLING DEGREE DAYS**

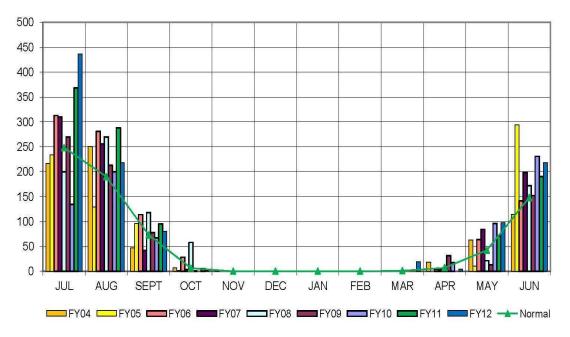


# MONTHLY DEGREE DAY SUMMARY

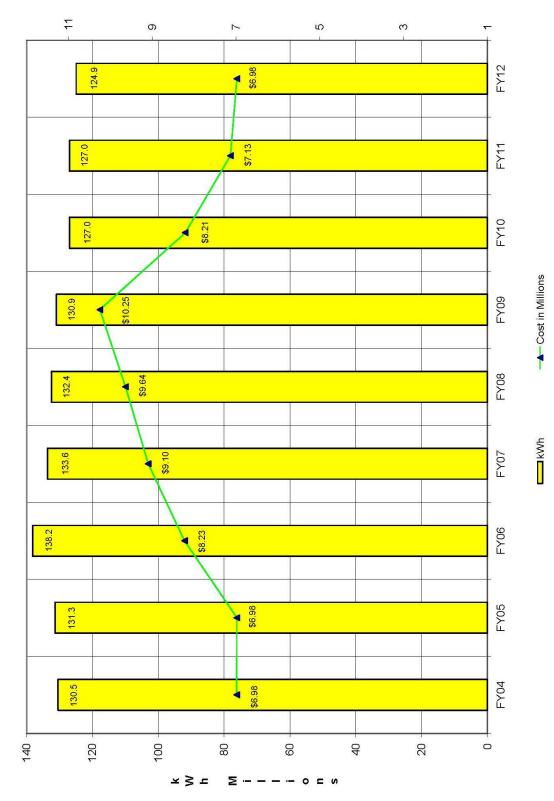


**HEATING DEGREE DAYS** 

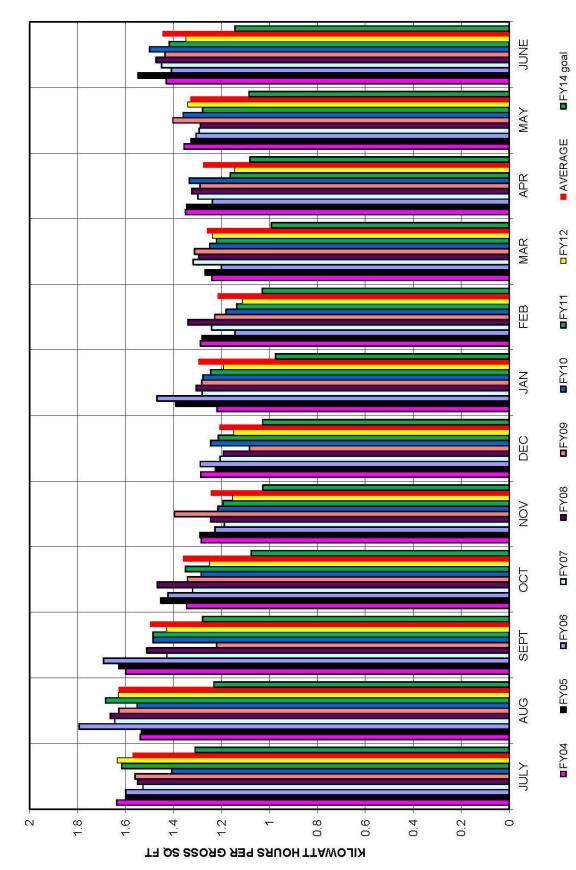
### **COOLING DEGREE DAYS**



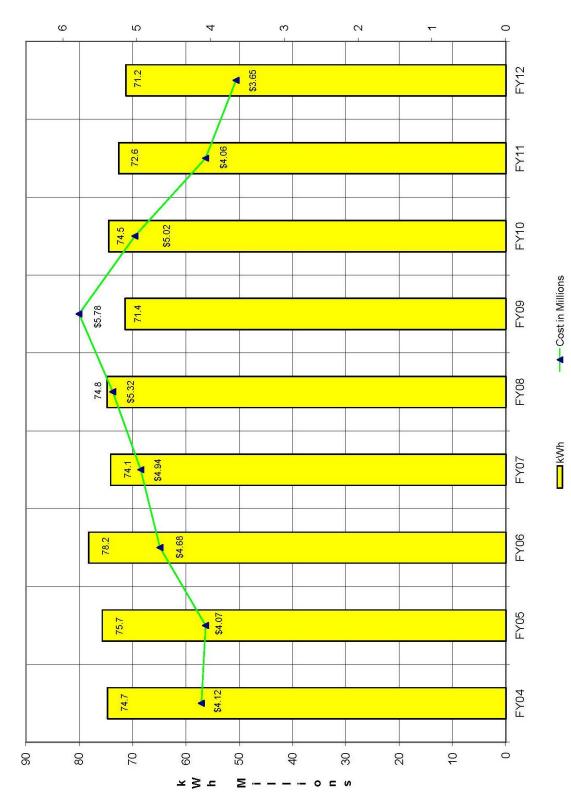




v ⊐ o -- - - Z ⊐ -- + v o C





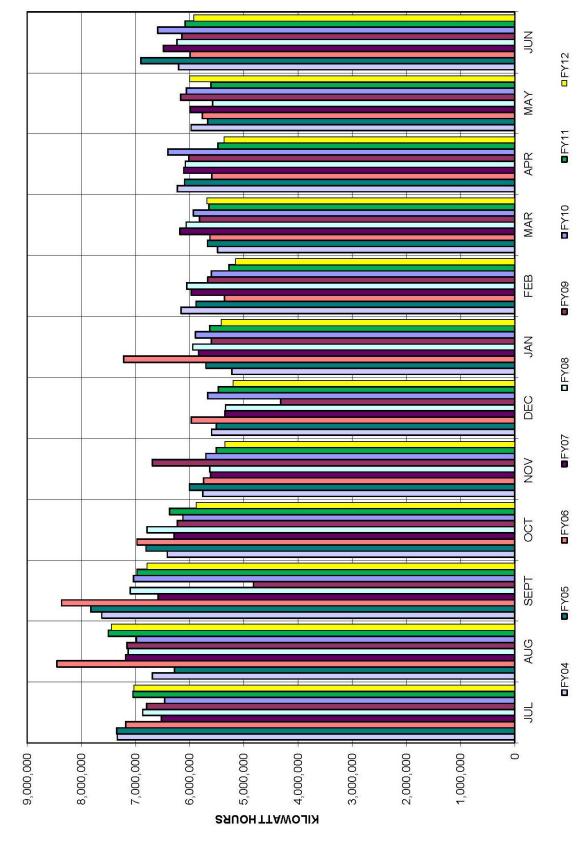


8 - - - - o c s

U O V +

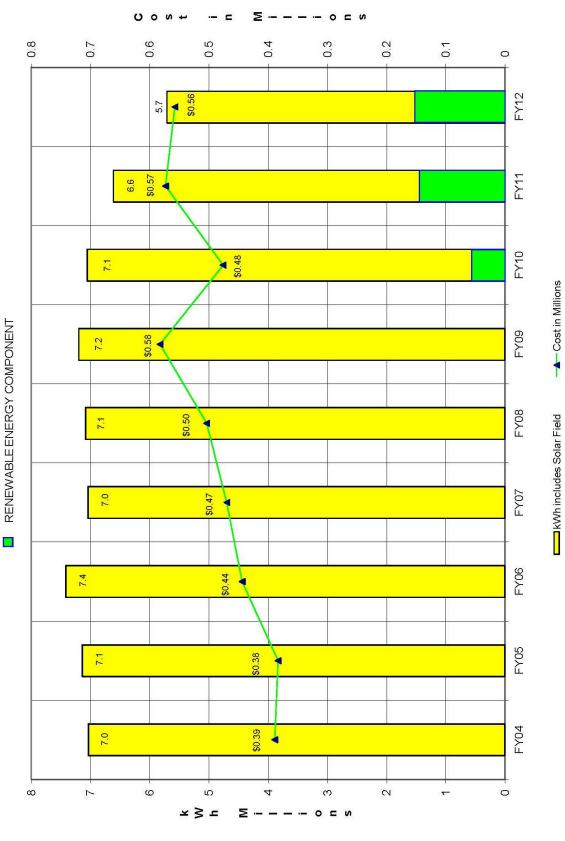
- 5

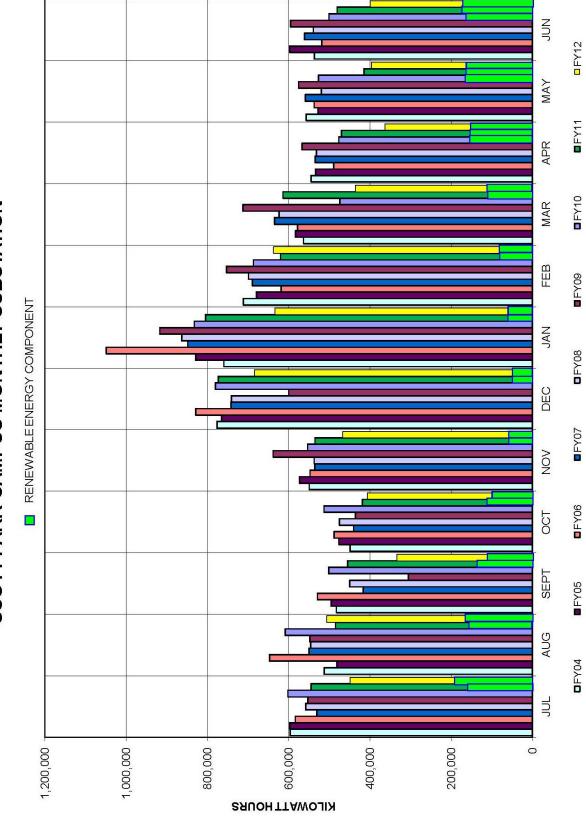
MAIN CAMPUS YEARLY SUBSTATION with COST



# MAIN CAMPUS MONTHLY SUBSTATION

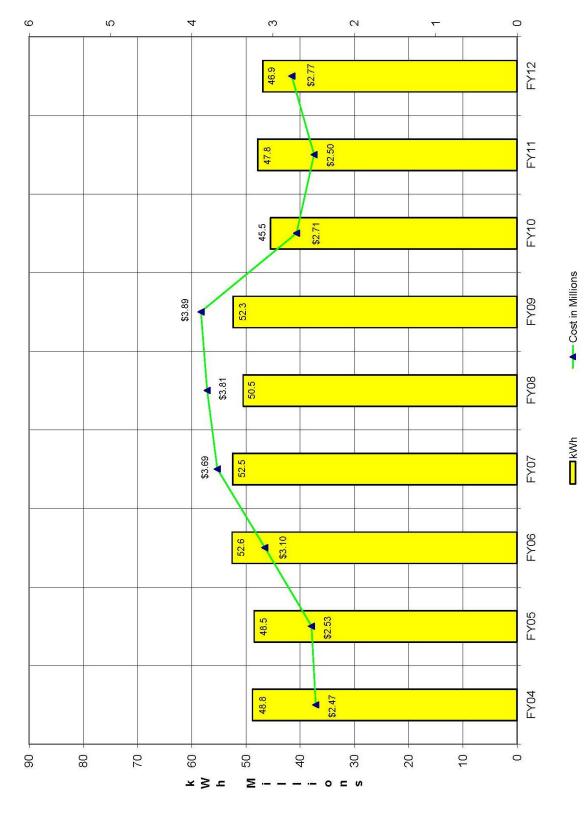


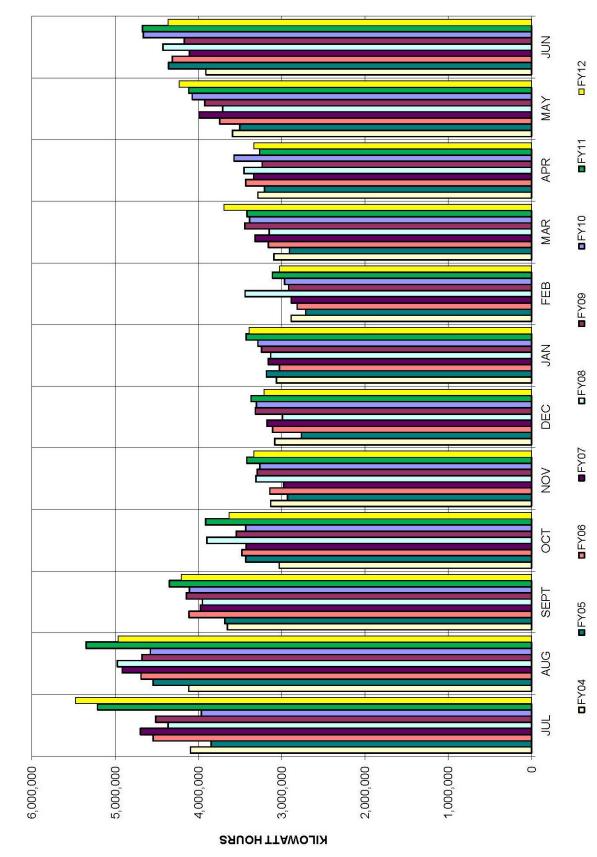






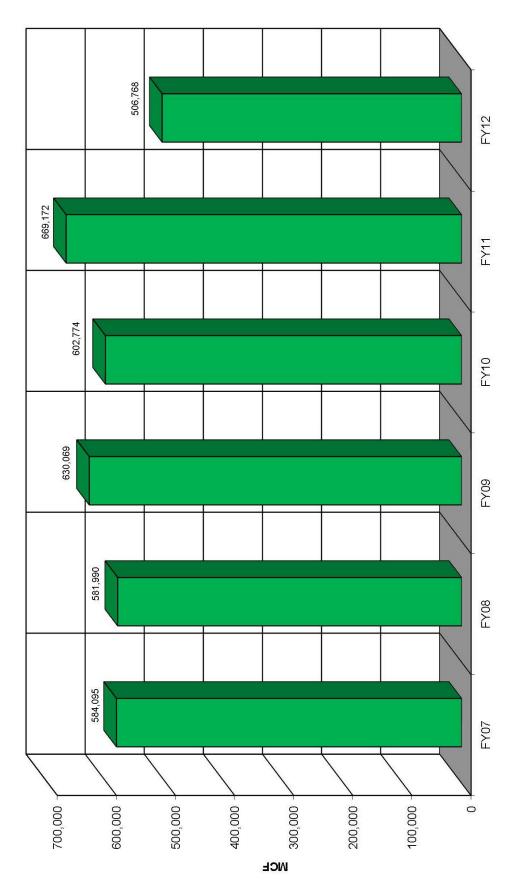






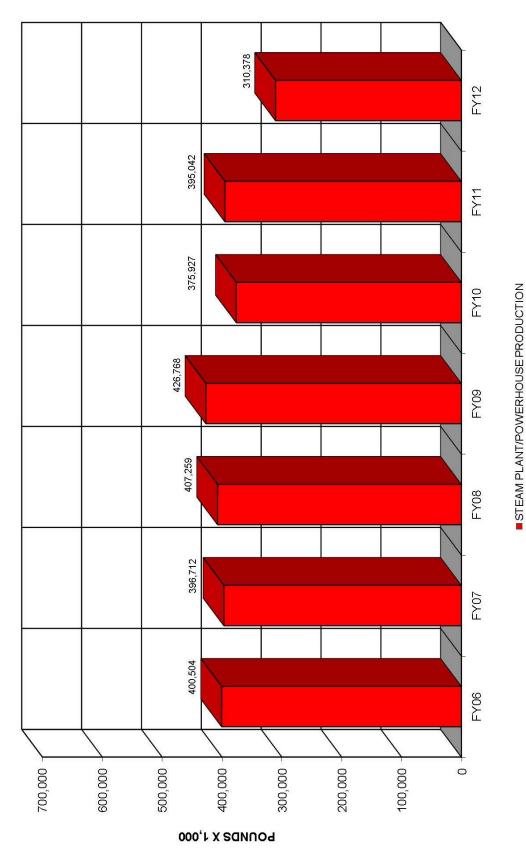
HEALTH SCIENCE CAMPUS MONTHLY SUBSTATION

UT ALL CAMPUSES YEARLY STEAM PLANT COMBINED COAL/GAS

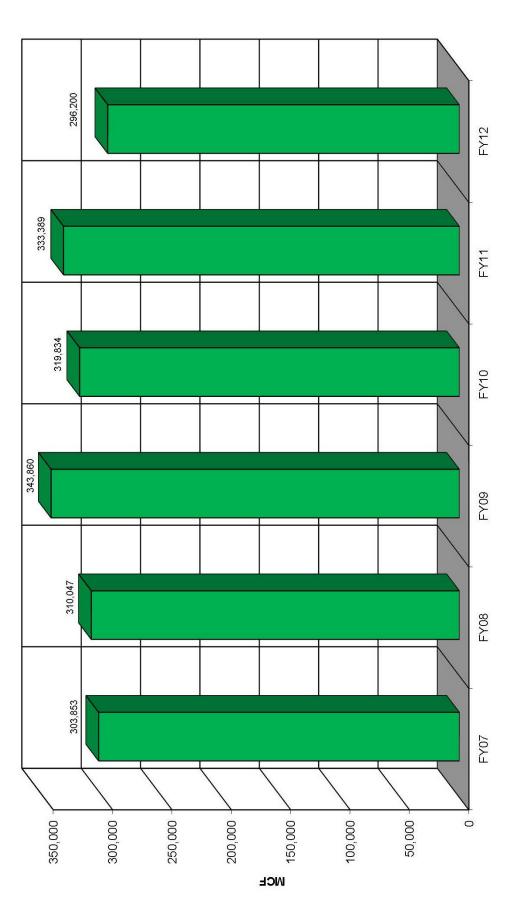


COMBINED COAL/GAS

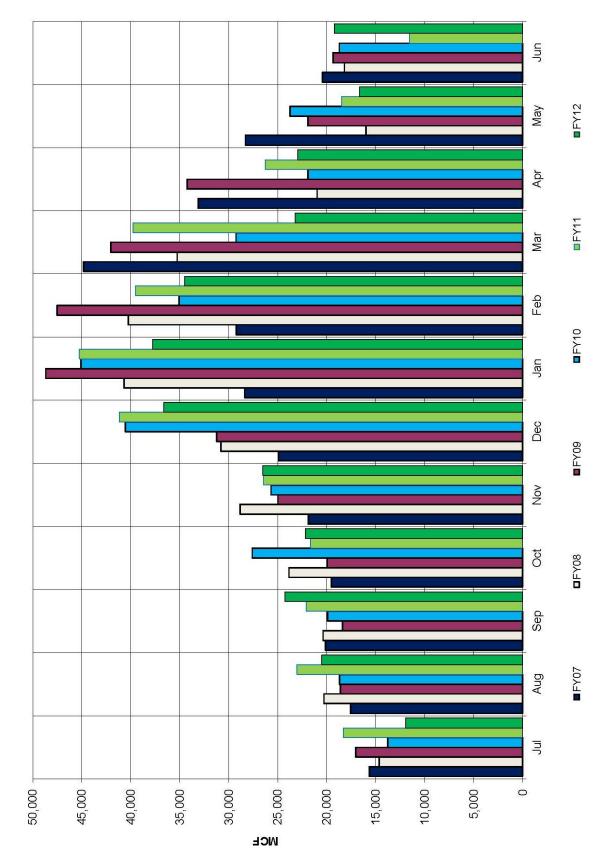
UT ALL CAMPUSES YEARLY STEAM PRODUCTION





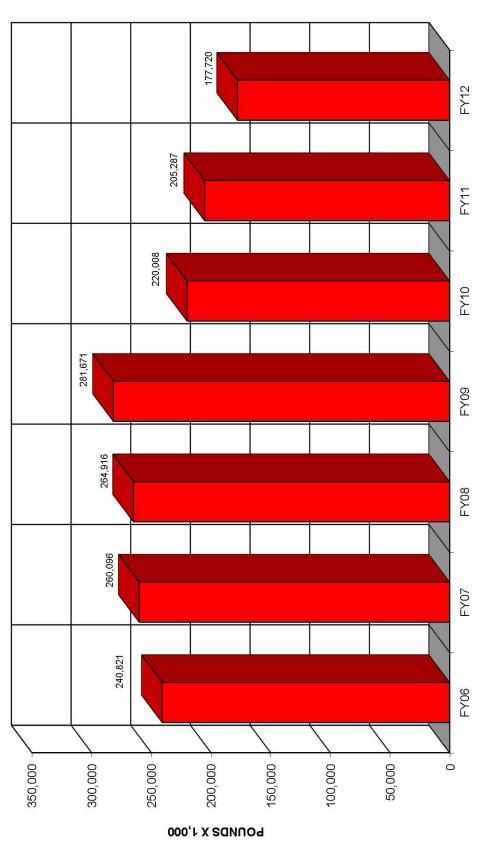


∎GAS

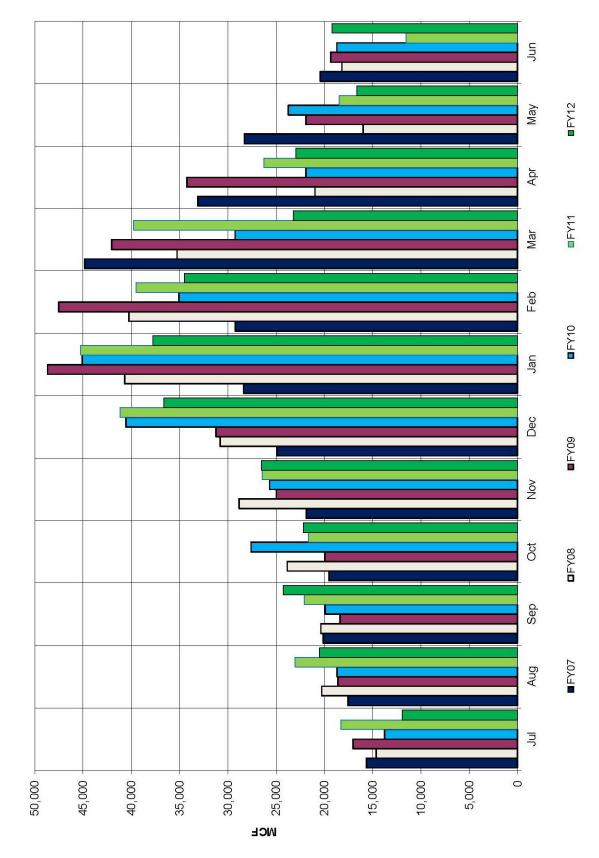


MAIN CAMPUS MONTHLY STEAM PLANT GAS

MAIN CAMPUS YEARLY STEAM PRODUCTION

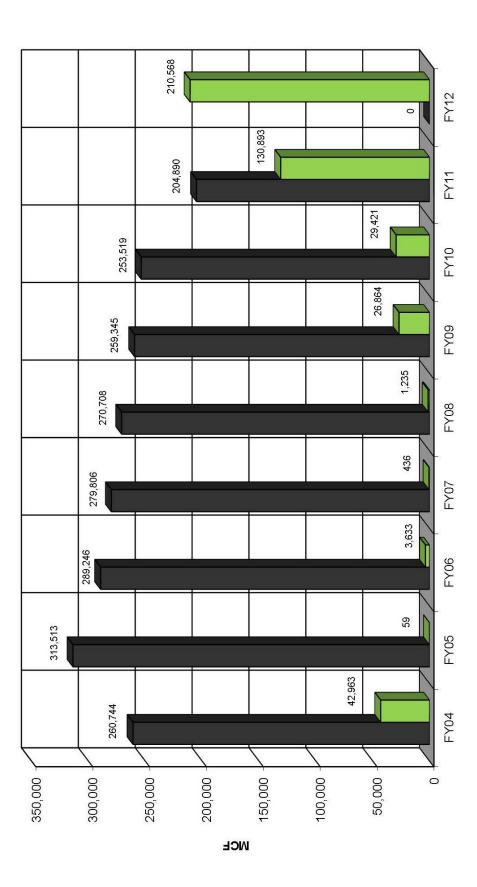


STEAM PLANT PRODUCTION



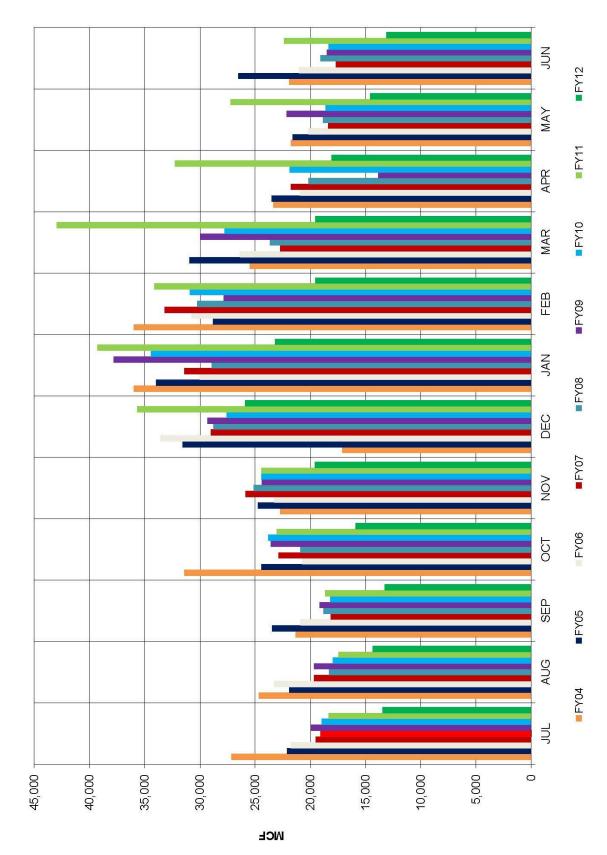
MAIN CAMPUS MONTHLY STEAM PLANT GAS

HEALTH SCIENCE CAMPUS YEARLY POWERHOUSE COAL/GAS

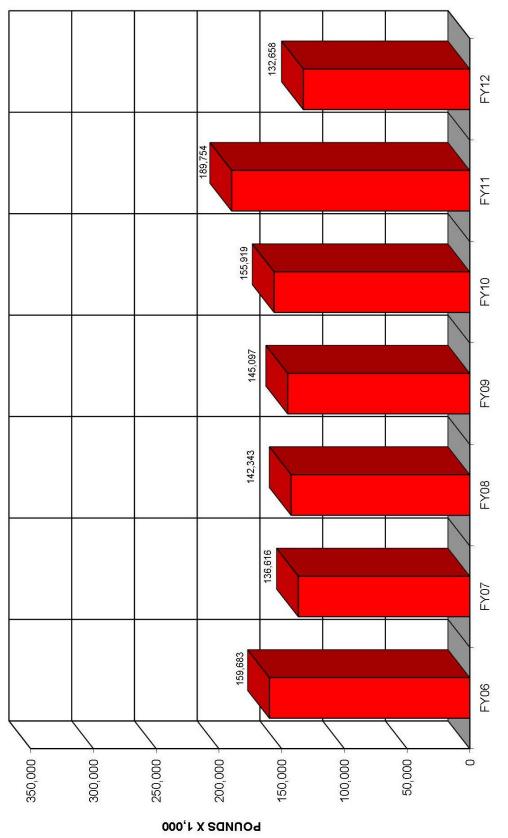




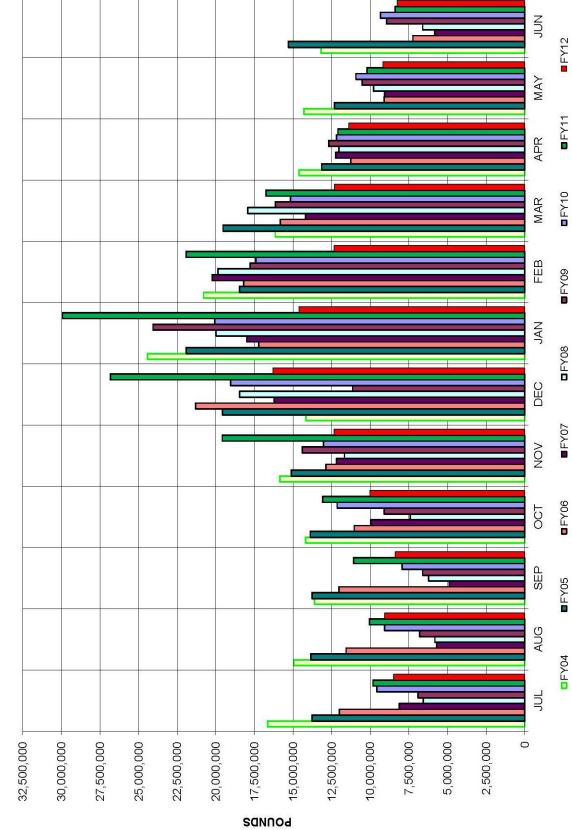




HEALTH SCIENCE CAMPUS YEARLY STEAM PRODUCTION

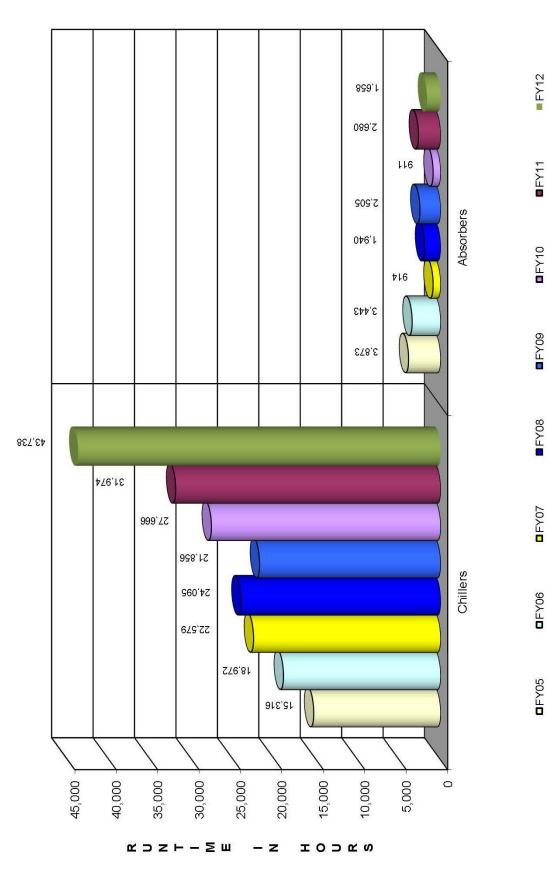


POWERHOUSE PRODUCTION

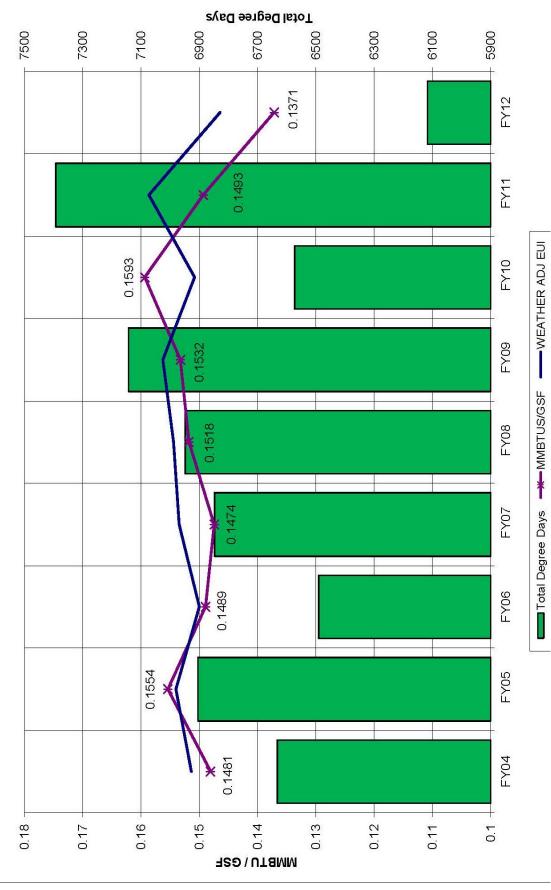


HEALTH SCIENCE CAMPUS MONTHLY STEAM PRODUCTION

HEALTH SCIENCE CAMPUS MECHANICAL COOLING

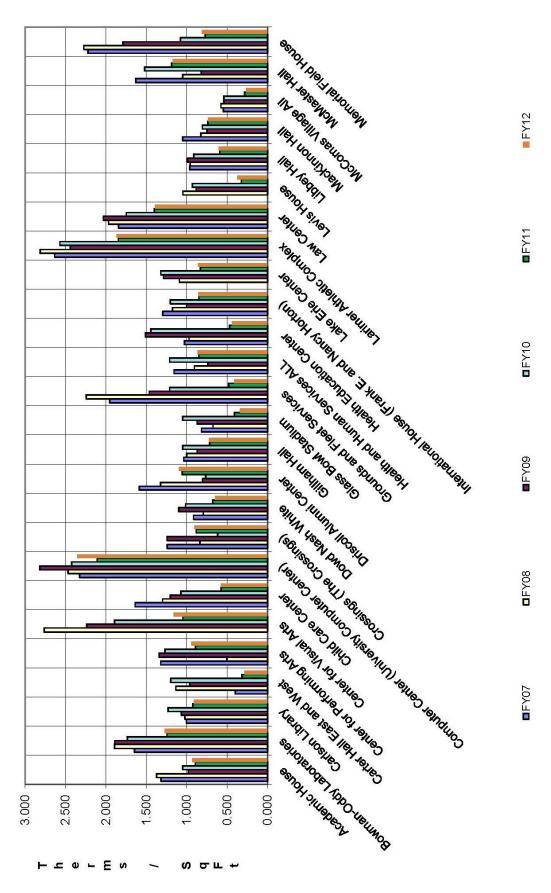


UT CAMPUS WEATHER ADJUSTED ENERGY UTILIZATION INDEX

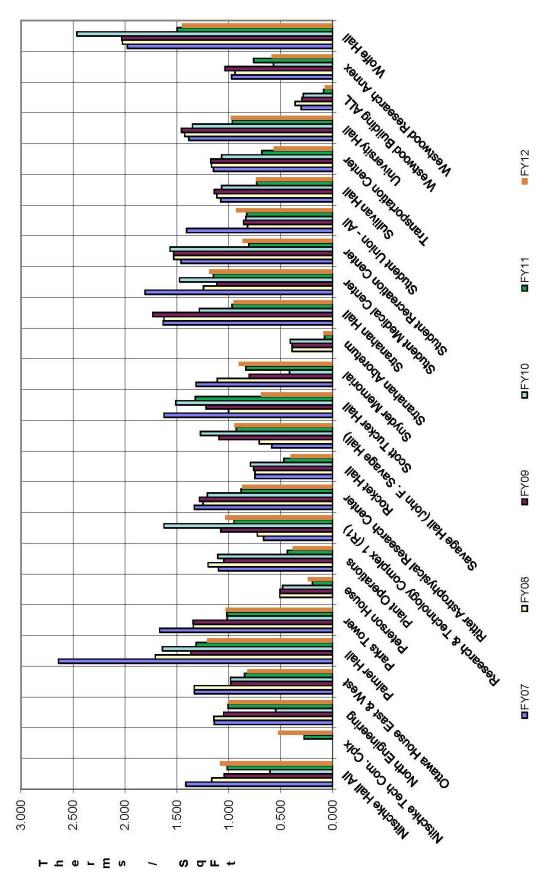


55 | Page

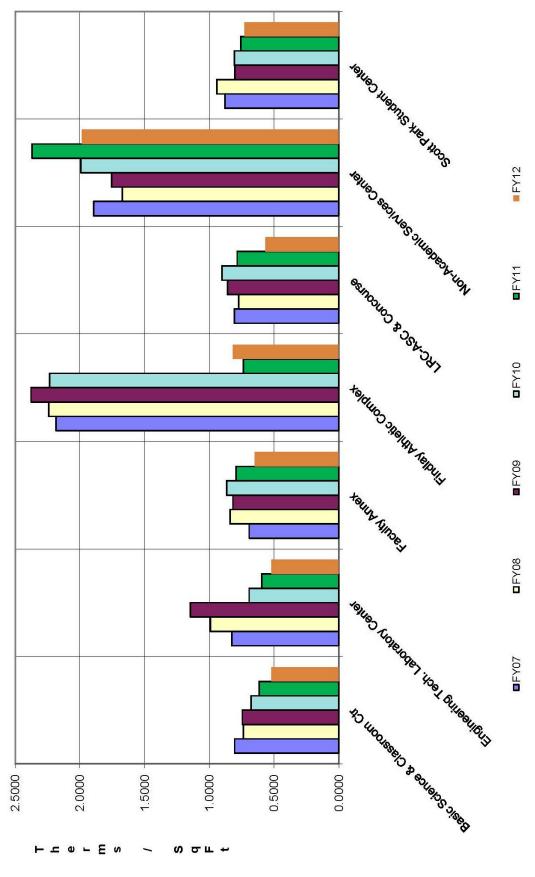
MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX



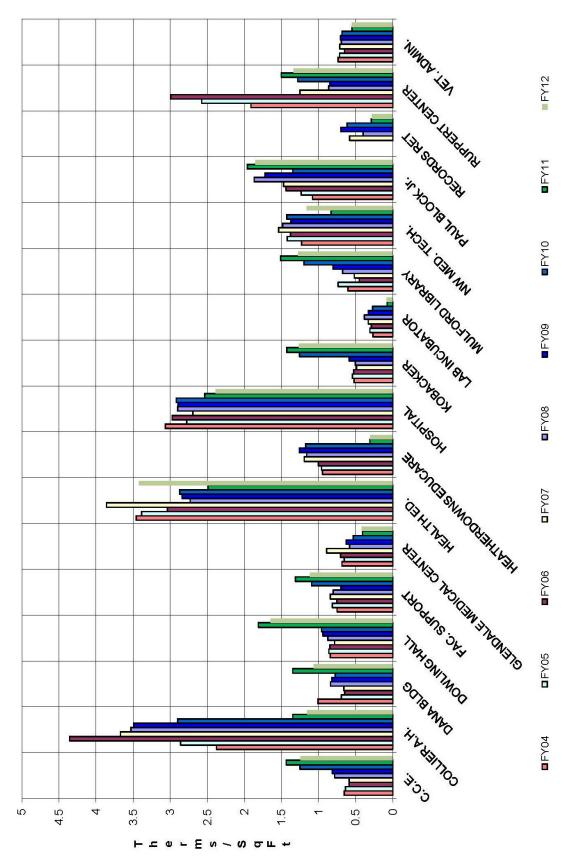
# MAIN CAMPUS BUILDING ENERGY UTILIZATION INDEX











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

Main Campus	GSF	Electric kWh	Steam MIbs	Natural Gas MCF	EUI
Academic House	80,603	942,331	4,304	124	0.9329
Bowman-Oddy Laboratories	178,727	3,793,499	9,543	2,124	1.2705
Carlson Library	256,547	2,830,772	13,698	-	0.9105
Carter Hall East and West	124,889	822,467		7,267	0.2844
Center for Performing Arts	64,983	780,503	3,470	-	0.9439
Center for Visual Arts	51,899	1,582,459	-	6,138	1.1619
Child Care Center	15,941	233,290		1,215	0.5776
Computer Center (University Computer Cent	32,872	2,226,089	-	1,384	2.3544
Crossings (The Crossings)	228,990	2,469,789	12,226	315	0.9034
Dowd Nash White	80.030	264,579	4,273	-	0.6468
Driscoll Alumni Center	38,675	637,120	2,065	-	1.0962
Gillham Hall	92,347	506,277	4,931	-	0.7210
Glass Bowl Stadium	2	970,601	4,901	1,814	0.3378
Grounds and Fleet Services	103,578 13,009	134,553		770	0.3378
			8,703		
Health and Human Services ALL	163,006	1,589,665		-	0.8668
Health Education Center	79,016	744,198	-	9,172	0.4404
International House (Frank E. and Nancy Ho	138,904	1,293,699	7,416	533	0.8557
Lake Erie Center	34,054	741,700		3,860	0.8595
Larimer Athletic Complex	32,139	1,684,059		2,497	1.8680
Law Center	125,392	3,153,035	6,695	16	1.3923
Levis House	6,457	59,143	(=)	393	0.3750
Libbey Hall	16,767	28,362	895	194	0.6035
MacKinnon Hall	41,787	249,234	2,231	-	0.7375
McComas Village All	124,533	812,649	-	4,776	0.2620
McMaster Hall	67,194	1,258,070	3,588	8	1.1729
Memorial Field House	156,074	1,264,143	8,333	-	0.8104
Nitschke Hall All	132,159	2,123,340	(=)	7,056	1.0823
Nitschke Tech Commercialization Cplx	39,961	473,648	-	4,691	0.5249
North Engineering	252,894	3,487,047	-	13,502	1.0045
Ottawa House East & West	271,293	2,069,801	14,485	7,604	0.8230
Palmer Hall	67,040	1,320,921	3,579	-	1.2064
Parks Tower	166,213	2,278,072	8,874	4,428	1.0290
Peterson House	4,316	23,230	(=)	227	0.2377
Plant Operations	30,861	292,959	-	1,827	0.3847
Research & Technology Complex 1 (R1)	55,209	1,531,886	-	4,691	1.0341
Ritter Astrophysical Research Center	15,317	150,456	818	-	0.8692
Rocket Hall	109,552	1,220,130		2,693	0.4053
Savage Hall (John F. Savage Hall)	199,380	2,414,728	10,645	-	0.9473
Scott Tucker Hall	42,710	192,920	2,280	-	0.6881
Sculptural Studies	7,502	99,100	2,200	1,477	0.6527
Snyder Memorial	47,947	522,917	2,560	-	0.9061
Stranahan Arboretum	7,386	7,512	-	390	0.0888
Stranahan Hall	121,135	1,481,332	6,468	530	0.9513
Student Medical Center	12,574	239,540	671		1.1841
Student Recreation Center			-		
	157,446	3,549,229	1.0.84.000	14,988	0.8670
Student Union - All	221,225	2,513,954	11,812	1,932	0.9307
Sullivan Hall	13,401	79,687	716	- 717	0.7369
Transportation Center	19,826	307,890	-	717	0.5671
University Hall	292,633	3,810,503	15,624	450	0.9799
Westwood Building ALL	271,332	459,020	-	4,845	0.0760
Westwood Research Annex	40,922	311,918	-	1,304	0.5868
Wolfe Hall	188,501	5,060,864	10,064	14	1.4503
SUB TOTALS	5,137,148	67,094,888	180,966	115,428	

# UNIVERSITY OF TOLEDO BUILDING UTILITY USAGE FISCAL YEAR 2012

	GSF	Electric	Steam	Natural Gas	
Health Science Campus		kWh	Mlbs	MCF	EUI
Center Creative Education	48,810	569,660	4,115		1.2413
Collier Allied Health	111,363	1,014,379	9,388		1.1539
Dana Center	43,975	287,515	3,707	-	1.0661
Dowling Hall	247,616	5,840,925	20,874	-	1.6481
Facility Support	26,932	216,193	2,270	-	1.1170
Glendale Medical Center	40,516	480,000	-	591	0.4193
Health Education	254,875	10,839,960	21,486		2.2946
Heatherdowns Educare Center	36,400	199,200	-	3,993	0.2992
Hospital	378,123	17,110,892	31,876	-	2.3875
Kobacker	41,140	507,360	3,468	-	1.2639
Lab Incubator	20,533	41,106	-	235	0.0801
Mulford Library Bldg	137,930	1,760,715	11,627		1.2787
Northwest Medical Tech Center	38,614	877,926	-	2,478	0.8418
Paul Block Jr.	168,764	4,976,198	14,227	-	1.8494
Records Retention	32,086	236,273	1 <del>-</del> 1	806	0.2771
Ruppert Center	114,126	1,656,534	9,621	-	1.3384
Veterans Administration	40,447	634,203	-	608	0.5506
SUB TOTALS	1,782,250	47,249,038	132,658	8,711	
Scott Park Campus					
Basic Science Laboratory Center & Allied He	77,096	1,175,331		-	0.5203
Engineering Technology Laboratory Center	24,812	378,949	-	-	0.5213
Faculty Annex	8,895	169,423	221	-	0.6501
Findlay Athletic Complex	6,593	90,846	1 <b>1</b> 1	2,236	0.8180
Learning Resources Ctr-Academic Services	127,430	2,121,704		-	0.5683
Non-Academic Services Center	14,881	866,611	-	-	1.9876
Scott Park Student Center	30,601	652,998	. <del></del> .	-	0.7283
SUB TOTALS	290,308	5,455,862	-	2,236	
GRAND TOTALS	7,209,706	119.799.788	313,624	126.375	

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

Main Campus	Electric Cost	Steam Cost	Natural Gas Cost	Total Cost	EUI
Academic House	\$52,418	\$52,073	\$1,033	\$105,524	0.932
Bowman-Oddy Laboratories	\$210,713	\$115,465	\$19,241	\$345,419	1.270
Carlson Library	\$157,365	\$165,740	φ10,241 -	\$323,105	0.910
Carter Hall East and West	\$45,644	-	\$27,131	\$72,775	0.284
Center for Performing Arts	\$43,127	\$41,982	φ27,101	\$85,108	0.943
Center for Visual Arts	\$113,912	-	\$25,838	\$139,750	1.161
Child Care Center	\$13,007		\$5,797	\$18,804	0.577
Computer Center (University Computer Cent	\$123,525		\$5,590	\$129,114	2.354
Crossings (The Crossings)	\$137,627	- \$147,937	\$1,194	\$286,758	0.903
Dowd Nash White	\$14,750	\$51,703	φ1,194 -	\$66,452	0.900
Driscoll Alumni Center	\$35,320	\$24,986	-	\$60,306	1.096
Gilham Hall	\$28,059	\$59,660		\$87,719	0.721
Glass Bowl Stadium	\$53,955	\$6,880		\$60,836	0.721
Grounds and Fleet Services	\$7,451	\$0,000	\$3,492	\$10,943	0.337
Health and Human Services ALL	\$88,221	\$105,309	-	\$193,530	0.413
Health Education Center		\$105,509			
	\$41,739	1.2.10	\$36,271	\$78,011	0.440
International House (Frank E. and Nancy Ho	\$71,981	\$89,738	\$2,932	\$164,651 \$57,728	0.855
Lake Erie Center	\$41,275		\$16,452 \$9,819		
Larimer Athletic Complex	\$93,904	-	and the second s	\$103,723	1.868 1.392
Law Center	\$174,839	\$81,008	\$323	\$256,170	
Levis House	\$5,643	- \$10.832	\$2,306	\$7,949	0.375
Libbey Hall	\$1,588		\$1,053	\$13,473	0.603
MacKinnon Hall	\$13,832	\$26,996	-	\$40,828	0.737
McComas Village All	\$45,455	¢ 40, 440	\$24,145	\$69,600	0.262
McMaster Hall	\$69,776	\$43,410		\$113,186	1.172
Memorial Field House	\$70,103	\$100,830	-	\$170,934	0.810
Nitschke Hall All	\$118,333	-	\$85,380	\$203,713	1.082
Nitschke Tech Commercialization Cplx	\$26,024	<b>9</b> 0	\$18,588	\$44,611	0.524
North Engineering	\$194,078	-	\$163,380	\$357,458	1.004
Ottawa House East & West	\$115,320	\$175,267	\$35,953	\$326,540	0.823
Palmer Hall	\$73,623	\$43,311	\$14,623	\$131,556	1.206
Parks Tower	\$126,939	\$107,380	\$16,552	\$250,872	1.029
Peterson House	\$1,757	-	\$1,100	\$2,857	0.237
Plant Operations	\$16,217	-	\$8,284	\$24,501	0.384
Research & Technology Complex 1 (R1)	\$85,159	-	\$18,588	\$103,747	1.034
Ritter Astrophysical Research Center	\$8,336	\$9,895	-	\$18,232	0.869
Rocket Hall	\$67,782	-	\$12,138	\$79,920	0.405
Savage Hall (John F. Savage Hall)	\$133,912	\$128,808	-	\$262,720	0.947
Scott Tucker Hall	\$10,627	\$27,592	-	\$38,219	0.688
Sculptural Studies	\$13,640	-	\$6,967	\$20,607	0.652
Snyder Memorial	\$29,015	\$30,976	-	\$59,991	0.906
Stranahan Arboretum	\$14,960	-	\$1,694	\$16,654	0.088
Stranahan Hall	\$82,309	\$78,258	1 <b></b>	\$160,567	0.951
Student Medical Center	\$13,306	\$8,123	1 <u>1</u> 1	\$21,430	1.184
Student Recreation Center	\$197,560	-	\$61,388	\$258,948	0.867
Student Union - All	\$139,826	\$142,921	\$7,576	\$290,322	0.930
Sullivan Hall	\$4,428	\$8,658	(=)	\$13,085	0.736
Transportation Center	\$17,152	-	\$2,675	\$19,827	0.567
University Hall	\$211,163	\$189,053	\$1,864	\$402,080	0.979
Westwood Building ALL	\$39,891	20	\$21,880	\$61,771	0.076
Westwood Research Annex	\$17,261	-	\$4,954	\$22,215	0.586
Wolfe Hall	\$281,917	\$121,779	\$317	\$404,014	1.450

# UNIVERSITY OF TOLEDO BUILDING UTILITY COST FISCAL YEAR 2012

	Electric	Steam	Natural Gas	Total	
Health Science Campus	Cost	Cost	Cost	Cost	EUI
Center Creative Education	\$31,840	\$49,787	12	\$81,628	1.2413
Collier Allied Health	\$56,698	\$113,593	(4)	\$170,291	1.1539
Dana Center	\$16,165	\$44,855	(=)	\$61,020	1.0661
Dowling Hall	\$326,881	\$252,574	(=)	\$579,454	1.6481
Facility Support	\$12,095	\$27,471	; <b>-</b> ;	\$39,567	1.1170
Glendale Medical Center	\$26,830		\$3,467	\$30,297	0.4193
Health Education	\$605,508	\$259,978	( <u>=</u> )	\$865,486	2.2946
Heatherdowns Educare Center	\$23,465	<u>-</u>	\$18,250	\$41,715	0.2992
Hospital	\$955,568	\$385,694	(=)	\$1,341,262	2.3875
Kobacker	\$28,432	\$41,964	-	\$70,396	1.2639
Lab Incubator	\$2,294		\$2,878	\$5,171	0.0801
Mulford Library Bldg	\$98,418	\$140,692		\$239,110	1.2787
Northwest Medical Tech Center	\$49,263	-	\$14,372	\$63,635	0.8418
Paul Block Jr.	\$279,444	\$172,143	-	\$451,587	1.8494
Records Retention	\$13,200	-6	\$4,704	\$17,903	0.2771
Ruppert Center	\$92,514	\$116,411	-	\$208,925	1.3384
Veterans Administration	\$35,452	-::	\$3,481	\$38,933	0.5506
SUB TOTALS	\$2,654,066	\$1,605,162	\$47,152	\$4,306,380	
Scott Park Campus Basic Science Laboratory Center & Allied He	\$121,215	-		\$121,215	0.5203
Engineering Technology Laboratory Center	\$38,538	-	12	\$38,538	0.5213
Faculty Annex	\$17,812		-	\$17,812	0.6501
Findlay Athletic Complex	\$10,055	-1	\$10,090	\$20,145	0.8180
Learning Resources Ctr-Academic Services	\$217,067	-0	-	\$217,067	0.5683
Non-Academic Services Center	\$97,941	. <del></del> .a	1.00	\$97,941	1.9876
Scott Park Student Center	\$67,002	-	-	\$67,002	0.7283
SUB TOTALS	\$569,630		\$10,090	\$579,721	

GRAND TOTALS

\$7,019,461 \$3,801,732 \$723,761 \$11,544,953

BUILDING: FY YEAR:	Academic House 2012	House												DATE :	: 10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			NATURAL GAS	SAS	TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
	je				ł						ł			8	
July	0	436	100%	36,9/0	68	\$0.058	\$2,136	0	0.00	\$12.10	20	-	\$8.33	88	\$2,145
August	÷	218	100%	88,114	402	\$0.059	\$5,174	-	0.00	\$12.10	\$10	0	\$8.33	\$0	\$5,184
September	137	80	100%	103,893	479	\$0.060	\$6,256	117	0.54	\$12.10	\$1,415	13	\$8.33	\$108	\$7,778
October	385	2	100%	98.652	255	\$0.057	\$5.651	329	0.85	\$12.10	\$3.975	16	\$8.33	\$133	\$9.760
November	587		100%	86,993	148	\$0.054	\$4 733	501	0.85	\$12.10	\$6.061	18	\$8.33	\$150	\$10.944
December	916	0	100%	75,001	82	\$0.054	\$4,032	782	0.85	\$12.10	\$9,458	16	\$8.33	\$133	\$13,624
1st half vr	2026	736		489 624	177	\$0.057	\$27,981	1 728 93	0.63	\$12.10	\$20.920	64	\$8.33	\$533	\$49 434
		2		140,000				222	2		010514	5	) ) ) )	2	· · · · · · · · · · · · · · · · · · ·
January	1070	0	100%	67,352	63	\$0.053	\$3,539	913	0.85	\$12.10	\$11,049	2	\$8.33	\$17	\$14,604
February	922	0	100%	73,957	80	\$0.053	\$3,903	787	0.85	\$12.10	\$9,520	22	\$8.33	\$183	\$13,607
March	445	19	100%	89,202	192	\$0.058	\$5,209	380	0.82	\$12.10	\$4,595	12	\$8.33	\$100	\$9,904
April	464	4	100%	81.650	174	\$0.055	\$4.453	396	0.85	\$12.10	\$4.791	16	\$8.33	\$58	\$9.302
May	06	97	100%	66,278	354	\$0.054	\$3,607	77	0.41	\$12.10	\$929	7	\$8.33	\$8	\$4,544
June	26	218	100%	74,268	304	\$0.050	\$3,726	22	0.09	\$12.10	\$268	<b>₩</b>	\$8.33	\$8	\$4,003
2nd half yr	3017	338		452,707	135	\$0.054	\$24,437	2,575	0.77	\$12.10	\$31,153	60	\$8.33	\$375	\$55,965
TOTALMEAR	5043	1074		942,331	154	\$0.056	\$52,418	4,303.54	0.70	\$12.10	\$52,073	124	\$8.33	\$1,033	\$105,524
Building Data:		1991			Energy Cor	isumption to B	Energy Consumption to BTU Conversions						9.016129		
Gross Area (ft)2	~	80,603			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 3,216,176		H	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	644,824			Steam = M	Steam = M (lbs) X 1,000,000	00	4,303,544			Total	Total BTU Consumption/Yr	otion/Yr	7,519,720,057	
											Ŭ	Gross Area (ft) 2	2	80,603	
General Notes:					Natural Gas	Natural Gas = MCF X 102,500	,500	12,710			Ν	Divided by 100 000 =	= 00	0 0320	THERMS
					Other Fuel			0					2	2402.0	
					TOT	TOTAL BTU's x 1,000	00	7,519,720							
COST / SQ. FT. / YEAR	./YEAR		\$1.31												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.20												

69 | Page

BUILDING: FY YEAR:	Bowman Oddy 2012	ddy												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRI	CTRICITY			PURCHA	PURCHASED STEAM			NATURAL GAS	BAS	TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kVVh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	346,896	796	\$0.058	\$20,045	0	0.00	\$12.10	\$0	÷	\$9.06	\$9	\$20,054
August	÷	218	100%	344,948	1,575	\$0.059	\$20,253	2	0.01	\$12.10	\$23	0	\$9.06	\$0	\$20,276
September	137	80	100%	327,886	1,511	\$0.060	\$19,742	259	1.19	\$12.10	\$3,137		\$9.06	89	\$22,888
October	285	c	100%	378 645	840	\$0.057	\$18 875	770	1 88	\$12.10	\$8 815	17	\$0.06	\$151	\$77 794
November	787	1 0	100%	204 272	010	\$0.054	\$16 555	1 1 1 1	00.1	\$10 10	\$12 440	63	\$0.0\$	4562	\$20 556
December	916	00	100%	279,938	306	\$0.054	\$15,049	1,733	1.89	\$12.10	\$20,973	366	\$9.06	\$3,316	\$39,338
1st half yr	2026	736		1,932,587	700	\$0.057	\$110,469	3,833.68	1.39	\$12.10	\$46,388	447	\$9.06	\$4,049	\$160,906
January	1070	0	100%	253,588	237	\$0.053	\$13,325	2,025	1.89	\$12.10	\$24,499	426	\$9.06	\$3,859	\$41,683
February	922	0	100%	287,656	312	\$0.053	\$15,181	1,745	1.89	\$12.10	\$21,110	452	\$9.06	\$4,095	\$40,386
March	445	19	100%	321,588	693	\$0.058	\$18,780	842	1.81	\$12.10	\$10,189	276	\$9.06	\$2,500	\$31,469
A	101		10001	007 000	202	<b>#0.055</b>	774 746	070	00 1	01 014	10014	910	0000	101 00	CC1 123
April	404	4 [	0,000	320,420 240 700	020	550.0¢	010,010	8/8	1.88	01.21¢	\$10,024	040	00.96	40°-04	451,255
May	06 0	18	%nn1	349,730	1,8/U	\$0.U\$	\$19,U32	N/L	1.9.0 1.0.0	\$12.1U	\$2,U61	152	59.06	\$1,377	\$22,47U
June	26	218	100%	327,930	1,344	\$0.050	\$16,451	49	0.20	\$12.10	\$595	25	\$9.06	\$226	\$17,273
2nd half yr	3017	338		1,860,912	555	\$0.054	\$100,244	5,709	1.70	\$12.10	\$69,078	1,677	\$9.06	\$15,192	\$184,513
TOTALMEAR	5043	1074		3,793,499	620	\$0.056	\$210,713	9,542.57	1.56	\$12.10	\$115,465	2,124	\$9.06	\$19,241	\$345,419
Building Data:		1966		1	Energy Con	sumption to B <sup>7</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2	~	178,727			Electricity =	Electricity = KWH X 3413		BIUSX1,000 12,947,212		ш	Energy Utilization Index =	Index =			
Gross Volume (ft)3	ft)3	1,429,816			Steam = M	= M (lbs) X 1,000,000	00	9,542,567			Total	Total BTU Consumption/Yr	otion/Yr	22,707,488,533	
				37	•	001 11 1011	0					Gross Area (ft) 2	2	178,727	
General Notes:					Natural Gas	Natural Gas = MCF X 102,500	nne.	0L7'7LZ			Div	Divided bv 100.000 =	= 00	1.2705	THERMS
				<b>F</b> .)	Other Fuel			0							
					TOT	TOTAL BTU's × 1,000	00	22,707,489							
COST / SQ. FT. / YEAR	./YEAR		\$1.93												

\$1.93 \$0.45 WATER / SQ. FT. / YEAR

	DEGREE DAYS (DD)	DAYS (DD)			ELECTRICITY	спү			PURCHA	PURCHASED STEAM			FUEL OII		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	332,232	762	\$0.058	\$19,198	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$19,198
August	÷	218	100%	190,968	872	\$0.059	\$11,213	ო	0.01	\$12.10	\$33	0	\$4.50	\$0	\$11,245
September	137	80	100%	331,359	1,527	\$0.060	\$19,952	372	1.71	\$12.10	\$4,503	0	\$4.50	\$0	\$24,454
October	385	7	100%	325,080	840	\$0.057	\$18,621	1,046	2.70	\$12.10	\$12,653	0	\$4.50	\$0	\$31,274
November	587	0	100%	208,972	356	<b>\$0.054</b>	\$11,369	1.594	2.72	\$12.10	\$19,292	0	\$4.50	\$0	\$30,661
December	916	0	100%	172,208	188	\$0.054	\$9,258	2,488	2.72	\$12.10	\$30,105	0	\$4.50	\$0	\$39,362
1st half yr	2026	736		1,560,819	565	\$0.057	\$89,610	5,502.91	1.99	\$12.10	\$66,585	O	\$4.50	\$0	\$156,195
January	1070	0	100%	186,180	174	\$0.053	\$9,783	2,906	2.72	\$12.10	\$35,166	0	\$4.50	\$0	\$44,949
February	922	0	100%	213,904	232	\$0.053	\$11,289	2,504	2.72	\$12.10	\$30,302	0	\$4.50	\$0	\$41,591
March	445	19	100%	140,128	302	\$0.058	\$8,183	1,209	2.60	\$12.10	\$14,625	0	\$4.50	\$0	\$22,808
April	464	4	100%	262,080	560	\$0.055	\$14,293	1,260	2.69	\$12.10	\$15,250	0	\$4.50	\$0	\$29,542
May	90	97	100%	175,593	939	\$0.054	\$9,556	244	1.31	\$12.10	\$2,958	0	\$4.50	\$0	\$12,514
June	26	218	100%	292,068	1,197	\$0.050	\$14,652	71	0.29	\$12.10	\$854	0	\$4.50	\$0	\$15,506
2nd half yr	3017	338		1,269,953	379	\$0.053	\$67,756	8,195	2.44	\$12.10	\$99,155	0	\$4.50	\$0	\$166,910
TOTALMEAR	5043	1074		2,830,772	463	\$0.056	\$157,365	13,697.52	2.24	\$12.10	\$165,740	0	\$4.50	\$0	\$323,105
Building Data:		1973			Energy Con:	sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2	~	256,547			Electricity =	Electricity = KWH X 3413		9,661,425		ū	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	2,052,376			Steam = M (	Steam = M (lbs) X 1,000,000	00(	13,697,521			Total	Total BTU Consumption/Yr	tion/Yr	23,358,946,092	-
General Notes					O – IiO Jana	Eirel Oil – Gallons X 138 600		c		I		Gross Area (ft) 2	2	256,547	ĩ
							2	5			Di	Divided by 100,000 =	10 =	0.9105	THERMS
					Other Fuel			-							
					τοτ	TOTAL BTU's × 1,000	000	23,358,946							
COST / SQ. FT. / YEAR	./YEAR		\$1.26												
WATER / SQ. FT. / YEAR	=T. / YEAR		\$0.08												

DATE : 10/22/12

BUILDING: Carlson Library

BUILDING: FY YEAR:	Carter Hall E 2012	Carter Hall East and West 2012	st											DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	СПҮ			NATU	NATURAL GAS			FUEL OII		TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kt/th	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	30,128	69	\$0.058	\$1,741	39	0.09	\$5.57	\$217	0	\$4.50	\$0	\$1,958
August	÷	218	100%	61,820	282	\$0.059	\$3,630	24	0.11	\$6.70	\$161	0	\$4.50	\$0	\$3,791
September	137	80	100%	77,117	355	\$0.060	\$4,643	25	0.12	\$4.88	\$122	0	\$4.50	\$0	\$4,765
October	385	2	100%	82.534	213	\$0.057	\$4.728	93	0.24	\$4.04	\$375	0	\$4.50	\$0	\$5.103
November	587	0	100%	82.534	141	\$0.054	\$4.490	189	0.32	\$4.01	\$757	0	\$4.50	\$0	\$5.248
December	916	0	100%	81,908	89	\$0.054	\$4,403	893	0.97	\$3.84	\$3,428	0	\$4.50	\$0	\$7,831
1st half yr	2026	736		416,042	151	\$0.057	\$23,635	1,263.00	0.46	\$4.01	\$5,061	0	\$4.50	\$0	\$28,696
January	1070	0	100%	83,988	78	\$0.053	\$4,413	1,111	1.04	\$3.93	\$4,370	0	\$4.50	\$0	\$8,784
February	922	0	100%	89,237	97	\$0.053	\$4,710	1,010	1.10	\$3.76	\$3,796	0	\$4.50	\$0	\$8,506
March	445	19	100%	81,776	176	\$0.058	\$4,775	1,812	3.91	\$3.72	\$6,735	0	\$4.50	\$0	\$11,511
Anril	464	Ą	100%	78 249	167	\$0 055	797 42	1 014	217	\$3 B1	\$3 <b>865</b>	c	\$4 50	U\$	SR 137
March		10	100%	00707	216	\$0.054	\$2,200	561	3 00	\$3 37	\$1 807		00 F4	9 <del>6</del>	\$4 D02
June	30 26	218	100%	32,756	134	\$0.050	\$1,643	496	2.03	\$2.85	\$1,412	00	\$4.50	0 \$	\$3,055
2nd half yr	3017	338		406,425	121	\$0.054	\$22,009	6,004	1.79	\$3.68	\$22,071	0	\$4.50	\$0	\$44,079
TOTALMEAR	5043	1074		822,467	134	\$0.055	\$45,644	7,267.00	1.19	\$3.73	\$27,131	0	\$4.50	\$0	\$72,775
Building Data:		1964			Energy Con	sumption to B1	Energy Consumption to BTU Conversions								
Gross Area (ft)2		124,889			Electricity =	Electricity = KWH X 3413		2,807,081		ш	Energy Utilization Index =	Index =			
Gross Volume (ft)3	t)3	999,112			Natural Gas	Natural Gas = MCF X 102,500	500	744,868		1	Total	Total BTU Consumption/Yr	tion/Yr	3,551,948,395	
Concert Notes:						Eirol Oil – Gollone V 138 600	00	c			0	Gross Area (ft) 2	2	124,889	
					Other Fuel		2	0 0			Div	Divided by 100,000 =	= 0(	0.2844	THERMS
					TOT	TOTAL BTU's x 1,000	00	3,551,948							
COST / SQ. FT. / YEAR	/YEAR		\$0.58												

\$0.27

WATER / SQ. FT. / YEAR

BUILDING: FY YEAR:	Center for F 2012	Center for Performing Arts 2012	<del>ئ</del> ا											DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПҮ			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	35,083	80	\$0.058	\$2,027	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$2,027
August	-	218	100%	58,126	265	\$0.059	\$3,413	÷	0.00	\$12.10	\$8	0	\$4.50	\$0	\$3,421
September	137	80	100%	60,976	281	\$0.060	\$3,671	94	0.43	\$12.10	\$1,140	0	\$4.50	\$0	\$4,812
October	385	0	100%	69 696	180	\$0.057	\$3,992	265	0.68	\$12 10	\$3 205	С	\$4 50	U\$	\$7 197
November	587	1 0	100%	70712	120	\$0.054	200,00	404	0.60	\$10 10 \$10 10	\$4 887		84 50	¢ ¢	\$8 734
December	916	00	100%	77,225	84	\$0.054	\$4,152	630	0.69	\$12.10	\$7,625	00	\$4.50	\$0	\$11,777
1st half yr	2026	736		371,818	135	\$0.057	\$21,102	1,393.88	0.50	\$12.10	\$16,866	0	\$4.50	\$0	\$37,968
		3			3									:	
January 	0/01	0 0	100%	/0,883	66 00	\$0.053	\$3,725	/36	0.69	\$12.10	106,83	0 0	\$4.50	0\$	\$12,632
February	922	0	100%	73,919	80	\$0.053	\$3,901	634	0.69	\$12.10	\$7,675	0	\$4.50	\$0	\$11,577
March	445	19	100%	73,959	159	\$0.058	\$4,319	306	0.66	\$12.10	\$3,705	0	\$4.50	\$0	\$8,023
April	464	4	100%	67,014	143	\$0.055	\$3,655	319	0.68	\$12.10	\$3,863	0	\$4.50	\$0	\$7,517
May	90	97	100%	60,842	325	\$0.054	\$3,311	62	0.33	\$12.10	\$749	0	\$4.50	\$0	\$4,060
June	26	218	100%	62,069	254	\$0.050	\$3,114	18	0.07	\$12.10	\$216	0	\$4.50	\$0	\$3,330
2nd half yr	3017	338		408,686	122	\$0.054	\$22,024	2,076	0.62	\$12.10	\$25,116	0	\$4.50	\$0	\$47,140
TOTALMEAR	5043	1074		780,503	128	\$0.055	\$43,127	3,469.56	0.57	\$12.10	\$41,982	0	\$4.50	\$0	\$85,108
Building Data:		1976			Energy Con	sumption to BT	Energy Consumption to BTU Conversions								
Gross Area (ft)2	2	64,983			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 2,663,858		Ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	519,864			Steam = M (	Steam = M (lbs) X 1,000,000	0	3,469,563			Total	Total BTU Consumption/Yr	tion/Yr	6,133,421,279	
							c	ſ		I	0	Gross Area (ft) 2	2	64,983	
General Notes:						= Gallons X 138,690	ŋ	∍			Nin	Divided by 100 000 =	=	0.9439	THERMS
					Other Fuel			0			i	- fa pop	9		)
					TOT/	TOTAL BTU's × 1,000	00	6,133,421							
COST / SQ. FT. / YEAR	r. / Year		\$1.31												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.0\$												

73 | Page

BUILDING: FY YEAR:	Center for Visual Arts 2012	isual Arts												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	спү			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	156,060	358	\$0.073	\$11,392	271	0.62	\$5.44	\$1,475	0	\$4.50	\$0	\$12,867
August	-	218	100%	164,730	752	\$0.073	\$12,025	269	1.23	\$6.03	\$1,622	0	\$4.50	\$0	\$13,648
September	137	80	100%	153,714	708	\$0.073	\$11,221	237	1.09	\$4.20	\$996	0	\$4.50	\$0	\$12,217
October	385	2	100%	166.668	431	\$0.073	\$12.167	201	0.52	\$3.94	\$793	0	\$4.50	\$0	\$12.959
November	587		100%	246 840	421	\$0.073	\$18 019	674	115	\$4 01	\$2 704		\$4 50	0\$	\$20 723
December	916	0	100%	63,546	69	\$0.073	\$4,639	605	0.66	\$4.23	\$2,558	0	\$4.50	\$0	\$7,197
1st half yr	2026	736		951,558	345	\$0.073	\$69,464	2,257.00	0.82	\$4.50	\$10,147	0	\$4.50	\$0	\$79,611
	0101	t	10001	0 001	ž	010 00			0 1 0			c	01.74	÷	
January	0/01	<b>-</b> 0	%001	100,674	94	\$0.073	\$7,349	534	00.U	\$4.44	52,371	<b>-</b> (	54.5U	D\$	07/6¢
February	922	<b>)</b>	%001	103,623	112	\$0.073	\$1,564	60/	1.1.0	<b>53.91</b>	\$2,113	9	\$4.50	0\$	\$10,337
March	445	19	100%	102,000	220	\$0.073	\$7,446	658	1.42	\$4.37	\$2,874	0	\$4.50	\$0	\$10,320
April	464	4	100%	94,900	203	\$0.073	\$6,928	726	1.55	\$4.18	\$3,036	0	\$4.50	\$0	\$9,964
May	06	97	100%	94,962	508	\$0.066	\$6,267	792	4.24	\$3.82	\$3,023	0	\$4.50	\$0	\$9,290
June	26	218	100%	134,742	552	\$0.066	\$8,893	462	1.89	\$3.49	\$1,614	0	\$4.50	\$0	\$10,507
2nd half yr	3017	338		630,901	188	\$0.070	\$44,448	3,881	1.16	\$4.04	\$15,691	0	\$4.50	\$0	\$60,138
TOTALMEAR	5043	1074		1,582,459	259	\$0.072	\$113,912	6,138.00	1.00	\$4.21	\$25,838	0	\$4.50	\$0	\$139,750
Building Data:		1991			Energy Con	sumption to BT	Consumption to BTU Conversions								š
Gross Area (ft)2		51,899			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 5,400,933		ш	Energy Utilization Index =	ln dex =			
Gross Volume (ft)3	(ft)3	415,192			Natural Gas	Gas = MCF X 102,500	500	629,145			Total	Total BTU Consumption/Yr	tion/Yr	6,030,077,567	
								ſ		I		Gross Area (ft) 2	2	51,899	
General Notes:					Fuel OII = G	= Gallons X 138,690	ŋ	Þ			Div	Divided by 100 000 =	=	1 1619	THERMS
				2422	Other Fuel			0						2	
					TOT/	TOTAL BTU's x 1,000	00	6,030,078							
COST / SQ. FT. / YEAR	T. / YEAR		\$2.69												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.35												

74 | Page

Center	
Child Care Ce	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	сіт Ү			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kWh	тотаг	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	32,081	74	\$0.058	\$1,854	ŋ	0.02	\$12.59	\$115	0	\$4.50	\$0	\$1,968
August	÷	218	100%	29,176	133	\$0.059	\$1,713	5	0.02	\$15.66	\$77	0	\$4.50	\$0	\$1,790
September	137	80	100%	20,580	95	\$0.060	\$1,239	10	0.04	\$12.37	\$120	0	\$4.50	\$0	\$1,359
October	385	0	100%	17 644	46	SO 057	\$1 011	24	0.06	\$3.39	\$81	c	\$4 50	US.	\$1 092
November	587		100%	14 860	25	\$0 054	\$809	67	0 1 1	\$4.01	\$267		\$4 50	U\$	\$1.076
December	916	0	100%	14,303	16	\$0.054	\$769	118	0.13	\$3.89	\$458	00	\$4.50	20	\$1,227
1st half yr	2026	736		128,644	47	\$0.057	\$7,394	232.10	0.08	\$4.82	\$1,118	0	\$4.50	\$0	\$8,512
January	1070	0	100%	14,175	13	\$0.053	\$745	127	0.12	\$1.88	\$239	0	\$4.50	\$0	\$984
February	922	0	100%	14.476	16	\$0.053	\$764	201	0.22	\$3.80	\$766	0	\$4.50	<b>S</b> 0	\$1.530
March	445	19	100%	17,477	38	\$0.058	\$1,021	241	0.52	\$4.63	\$1,116	0	\$4.50	\$0	\$2,136
Anril	464	P	100%	14 674	31	\$0 055	\$RUD	170	036	\$5 95	\$1,009	c	\$4 50	U\$	\$1 BUG
	2	1 6	20001	0200	101							o c			10010
INIAY	90	18	%nn1	19,012	CUL	\$CU.U\$	\$1,U/1	149	0.80	21.0¢	17R¢	5	0C.4¢	20	\$1,891
June	26	218	100%	24,173	66	\$0.050	\$1,213	95	0.39	\$6.63	\$629	0	\$4.50	\$0	\$1,841
2nd half yr	3017	338		104,646	31	\$0.054	\$5,613	983	0.29	\$4.76	\$4,679	o	\$4.50	\$0	\$10,291
TOTALMEAR	5043	1074		233,290	38	\$0.056	\$13,007	1,215.10	0.20	\$4.77	\$5,797	o	\$4.50	\$0	\$18,804
Building Data:	2000	1996			Energy Con	sumption to B	Consumption to BTU Conversions	S DTI-5 4 000							
Gross Area (ft)2	2	15,941			Electricity =	Electricity = KWH X 3413		796,219			Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	127,528			Natural Gas	Gas = MCF X 102,500	,500	124,548		1	Total	Total BTU Consumption/Yr	otion/Yr	920,766,861	
General Notes:					Fuel Oil = G	= Gallons X 138.690	06	0				Gross Area (ft) 2	2	15,941	
								0			Di	Divided by 100,000 =	= 00	0.5776	THERMS
					τοτ,	ОТАL ВТU's × 1,000	00(	920,767							
COST / SQ. FT. / YEAR	T. / YEAR		\$1.18												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.30												

MONTg         geating         Cooling         % P.F.         KWg         DD         Cost per kWg         T           July         1         218         100%         207,887         477         \$0.058         \$           July         1         218         100%         207,887         477         \$0.056         \$           July         1         218         100%         184,303         849         \$0.067         \$           July         1         1         100%         184,303         849         \$0.057         \$         \$           August         1         1         100%         181,227         468         \$0.057         \$         \$           November         385         2         100%         182,240         210         \$ </th <th>Cost per TOTAL kWg</th> <th>1000 cubic Mcf n</th> <th></th> <th></th> <th></th> <th></th> <th>1</th> <th>TOTAL</th>	Cost per TOTAL kWg	1000 cubic Mcf n					1	TOTAL
0         436         100%         207,887           1         218         100%         204,137           137         80         100%         204,137           385         2         100%         184,303           385         2         100%         181,227           587         0         100%         181,227           587         0         100%         181,227           587         0         100%         181,227           587         0         100%         181,227           587         0         100%         181,227           587         0         100%         182,196           922         0         100%         182,196           922         0         100%         182,196           923         90         97         100%         187,017           3017         338         1,079,420         192,763           504.3         1074         2,226,089           60         32,872         1,079,420           703         32,872         1,079,420           704         100%         187,017           32,872         1,074         <		feet (Mcf) DD	er Costper Mcf	TOTAL	Load-sged gours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
0         436         100%         207,887           1         218         100%         204,137           137         80         100%         181,203           385         2         100%         181,227           587         0         100%         181,227           587         0         100%         181,227           587         0         100%         181,227           587         0         100%         181,227           587         0         100%         182,196           1070         0         100%         182,196           445         19         100%         182,196           454         4         100%         182,196           26         218         100%         182,196           264.3         1074         2,226,089           504.3         1074         2,226,089           1966         1         2,226,089           6         32,872         1         2,226,089           1074         2,226,089         1         1,074           1966         1         2,226,089         1           13         262,976         2,2								
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		78 0.18	\$5.57	\$435	0	\$4.50	\$0	\$12,447
137     80     100%     184,303       385     2     100%     181,227       587     0     100%     176,875       587     0     100%     192,240       587     0     100%     192,240       2026     736     1,146,669       1070     0     100%     182,196       922     0     100%     182,196       923     0     100%     182,196       924     4     100%     182,196       925     218     100%     187,105       90     97     100%     192,763       3017     338     1,079,420       3017     338     1,079,420       504.3     1074     2,226,089       187,017     232,872     1,079,420       1966     1,079,420     2,226,089       1074     2,226,089     1,079,420       1075     32,872     1,079,420       1966     1,074     2,226,089       1,18,10,17     2,32,872     1,10,17       1,10,18     2,02,976     1,10,18	\$0.059 \$11,986	64 0.29		\$429	0	\$4.50	\$0	\$12,415
385     2     100%     181.227       587     0     100%     176.875       916     0     100%     192.240       2026     736     1,146.669       922     0     100%     181.21       922     19     100%     182.196       922     0     100%     182.196       923     0     100%     182.196       924     19     100%     182.196       925     218     100%     187.107       926     218     100%     192.763       90     97     100%     192.763       917     338     1,079.420       5643     1074     2,226.089       1966     1     2,226.089       (h)3     262.976     1,079.420		83 0.38	\$4.88	\$405	0	\$4.50	\$0	\$11,502
587         0         100%         176,875           916         0         100%         192,240           2026         736         1,146,669           922         0         100%         182,196           922         19         100%         182,196           945         19         100%         182,196           926         90         97         100%         182,196           926         218         100%         187,017           3017         338         1,079,420           5643         100%         187,017           1966         1         2,226,089           (h)3         282,976         1,079,420           2         32,872         1,079,420           2         32,872         1,079,420	\$0.057 \$10.381	66 0.17	\$4.04	\$266	0	\$4.50	\$0	\$10.647
916         0         100%         192,240           2026         736         1,146,669           1070         0         100%         160,619           922         0         100%         182,196           454         4         100%         182,196           922         90         97         100%         182,196           926         97         100%         182,196           3017         338         1,079,420           3017         338         1,079,420           504.3         1074         2,226,089           1074         2,226,089         1,079,420           504.3         1074         2,226,089           1074         2,226,089         1,079,420           1066         1,079,420         2,226,089           1074         2,226,089         1,079,420           20,32,872         1,076         2,226,089           1,073         262,976         1,079,420           1,073         262,976         1,078,420		92 0.16		\$369	0	\$4.50	\$0 8	\$9,992
2026     736     1,146,669       1070     0     100%     160,619       922     0     100%     182,196       445     19     100%     182,196       464     4     100%     187,017       90     97     100%     187,017       3017     338     1,079,420       5043     1074     2,226,089       6     32,872     1,079,420       6     32,872     1,079,420       7     1966     1,079,420       7     2226,089     1,079,420		134 0.15	\$3.84	\$514	0	\$4.50	\$0	\$10,849
1070     0     100%     160.619       922     0     100%     182,196       445     19     100%     182,196       464     4     100%     174,629       90     97     100%     192,763       917     338     1,079,420       3017     338     1,079,420       5043     1074     2,226,089       1966     1     2,226,089       (h)3     262,976     .	\$0.057 \$65,434	517.00 0.19	\$4.68	\$2,418	0	\$4.50	\$0	\$67,852
922     0     100%     182,196       445     19     100%     182,196       464     4     100%     174,629       90     97     100%     192,763       26     218     100%     187,017       3017     338     1,079,420       5043     1074     2,226,089       1966     1     2,226,089       (ħ)3     262,976     :		153 0.14	\$3.93	\$602	0	\$4.50	<b>\$</b> 0	\$9,042
445     19     100%     182,196       464     4     100%     174,629       96     97     100%     174,629       3017     338     1,079,420       3017     338     1,079,420       5043     1074     2,226,089       1966     1     2,226,089       1966     1     1,078,420       2     32,872     1       (h)3     262,976	\$0.053 \$9.616		\$3.76	\$605	0	\$4.50	<b>\$</b> 0	\$10.221
464     4     100%     174,529       90     97     100%     192,763       26     218     100%     187,017       3017     338     1,079,420       5043     1074     2,226,089       1966     2,32,872       (h)3     262,976			\$3.72	\$892	0	\$4.50	\$0	\$11,532
90         97         100%         192,763           26         218         100%         187,017           3017         338         1,079,420           5043         1074         2,226,089           6         32,872         (ħ)3         262,976           (ħ)3         262,976         :         :	\$0.055 \$9,524	135 0.29	\$3.81	\$515	0	\$4.50	\$0	\$10,038
26 218 100% 187,017 3017 338 10,79,420 5043 1074 2,226,089 1966 2 32,872 (ħ)3 262,976 :	\$0.054 \$10,490	98 0.52		\$330	0	\$4.50	\$0	\$10,820
3017 338 1,079,420 5043 1074 2,226,089 1966 2 32,872 (ħ)3 262,976		80 0.33		\$228	0	\$4.50	<b>\$</b> 0	\$9,610
5043 1074 2.226,089 1966 (1)3 262,976 (1)3 262,976	\$0.054 \$58,091	867 0.26	\$3.66	\$3,172	0	\$4.50	ŝ	\$61,263
1966 32,872 262,976	\$0.055 \$123,525	1,384.00 0.23	\$4.04	\$5,590	0	\$4.50	\$0	\$129,114
32.872 262,976	Energy Consumption to BTU Conversions	s RTII's y 1 000						
262,976	KWH X 3413	7,597,642		Energy Utilization Index =	on Index =			
Fuel C Other	s = MCF X 102,500	141,860		Tota	Total BTU Consumption/Yr	otion/Yr	7,739,502,098	
Other	3allons X 138.690	0			Gross Area (ft) 2	2	32,872	
TOTAL BTU'S		0		Ω	Divided by 100,000 =	= 00	2.3544	THERMS
	TOTAL BTU's × 1,000	7,739,502						
COST / SQ. FT. / YEAR \$3.93								
WATER / SQ. FT. / YEAR \$0.18								

BUILDING: Computer Center

76 | Page

BUILDING: FY YEAR:	Crossings 2012													DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПТҮ			PURCHA	PURCHASED STEAM			NATURAL GAS	AS	TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	(SBS) M	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	100 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	169,769	389	\$0.058	\$9,810	0	0.00	\$12.10	\$0	с С	\$5.57	\$17	\$9,827
August	۲	218	100%	208,401	952	\$0.059	\$12,236	7	0.01	\$12.10	\$29	ი	\$6.70	\$20	\$12,286
September	137	80	100%	245,246	1,130	\$0.060	\$14,767	332	1.53	\$12.10	\$4,019	ю	\$4.88	\$15	\$18,800
October	385	2	100%	256.819	664	\$0.057	\$14.711	933	2.41	\$12.10	\$11.294	33	\$4.04	\$133	\$26,138
November	587	0	100%	248.748	424	\$0.054	\$13.534	1.423	2.42	\$12.10	\$17.220	47	\$4.01	\$188	\$30.942
December	916	0	100%	233,911	255	\$0.054	\$12,575	2,221	2.42	\$12.10	\$26,871	49	\$3.84	\$188	\$39,634
1st half yr	2026	736		1,362,893	493	\$0.057	\$77,632	4,911.82	1.78	\$12.10	\$59,433	138.00	\$4.07	\$561	\$137,626
, accuraci	1070	c	1000	010 670	200	¢0.062	¢11 500	7 504	C * C	01010	¢21 200	00	¢ 2 0 2	0110	613 01E
Fahrian	022		100%	730 064	251 251	\$0.053	\$17 180	7 735	111	\$12.10 \$12.10	TAD 704	9 <del>1</del>	\$3.76	\$11 \$11	820 078
March	275	0 <sup>2</sup>	100%	230,804	501	\$0.058	\$12 588	1 070	0.44 0.22	\$12.10 \$12.10	\$12,04/ \$12,05/	- 2	\$3.70	\$201	\$76 84 3
	+ +	<u>מ</u>	% DD1	700,767		000.0¢	000,010	e /0,1	CC.7	01.21¢	4 0,004	5	71.00	- 07#	040°07¢
April	464	4	100%	215,289	460	\$0.055	\$11,741	1,125	2.40	\$12.10	\$13,611	21	\$3.81	\$80	\$25,433
May	06	97	100%	114,171	611	\$0.054	\$6,213	218	1.17	\$12.10	\$2,640	36	\$3.37	\$121	\$8,975
June	26	218	100%	94,218	386	\$0.050	\$4,726	63	0.26	\$12.10	\$763	25	\$2.85	\$71	\$5,560
2nd half yr	3017	338		1,106,897	330	\$0.054	\$59,996	7,314	2.18	\$12.10	\$88,504	177	\$3.57	\$633	\$149,133
TOTALMEAR	5043	1074		2,469,789	404	\$0.056	\$137,627	12,226.20	2.00	\$12.10	\$147,937	315	\$3.79	\$1,194	\$286,758
Building Data:		2002			Energy Con	sumption to BT	Consumption to BTU Conversions								
Gross Area (ft)2	CI.	228,990			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 8,429,391		ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	1,831,920			Steam = M (	Steam = M (lbs) X 1,000,000	00	12,226,202			Total I	Total BTU Consumption/Yr		20,687,879,836	8
						00 F X 100	001	000 00			U	Gross Area (ft) 2	2	228,990	
General Notes:					naturai Gas	Gas = MCF X 1U2,5UU	nne	32,288			Divi	Divided hv 100 000 =	= U	0 9034	THFRMS
				50	Other Fuel			0					1		
					TOT	TOTAL BTU's x 1,000	00	20,687,880							
COST / SQ. FT. / YEAR	./YEAR		\$1.25												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.20												

BUILDING: FY YEAR:	Dowd Nash White 2012	ı White												DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	стү			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	18,387	42	\$0.058	\$1,062	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$1,062
August	÷	218	100%	24,001	110	\$0.059	\$1,409	÷	00.0	\$12.10	\$10	0	\$4.50	\$0	\$1,419
September	137	80	100%	29,756	137	\$0.060	\$1,792	116	0.53	\$12.10	\$1,405	0	\$4.50	\$0	\$3,196
October	385	ç	100%	79 575	76	\$0.057	\$1 694	376	0.84	\$12.10	240 52	c	84 50	\$U	S5 641
November	587		100%	78587	07	\$0.0¢	81 555	107	10.0 7.8 C	\$12.10	86 018			ç,	\$7,573
December	916	00	100%	26,306	29	\$0.054	\$1,414	776	0.85	\$12.10	\$9,391	0 0	\$4.50	80	\$10,805
1st half yr	2026	736		156,608	57	\$0.057	\$8,927	1,716.64	0.62	\$12.10	\$20,771	0	\$4.50	\$0	\$29,698
January	1070	0	100%	24,015	22	\$0.053	\$1,262	907	0.85	\$12.10	\$10,970	0	\$4.50	\$0	\$12,232
February	922	0	100%	25,877	28	\$0.053	\$1,366	781	0.85	\$12.10	\$9,453	0	\$4.50	\$0	\$10,818
March	445	19	100%	19,076	41	\$0.058	\$1,114	377	0.81	\$12.10	\$4,562	0	\$4.50	\$0	\$5,676
April	464	4	100%	16,928	36	\$0.055	\$923	393	0.84	\$12.10	\$4,757	0	\$4.50	\$0	\$5,680
May	06	97	100%	11,936	64	\$0.054	\$650	76	0.41	\$12.10	\$923	0	\$4.50	\$0	\$1,572
June	26	218	100%	10,140	42	\$0.050	\$509	22	0.09	\$12.10	\$267	0	\$4.50	\$0	\$775
2nd half yr	3017	338		107,972	32	\$0.054	\$5,823	2,556	0.76	\$12.10	\$30,931	0	\$4.50	\$0	\$36,754
TOTALMEAR	5043	1074		264,579	43	\$0.056	\$14,750	4,272.95	0.70	\$12.10	\$51,703	0	\$4.50	\$0	\$66,452
Building Data:		1952			Energy Con	Energy Consumption to BTU Conversions	U Conversions								
Gross Area (ft)2	2	80,030			Electricity =	Electricity = KWH X 3413		B10'S X 1,000			Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	640,240			Steam = M	= M (lbs) X 1,000,000	Q	4,272,950		1	Total	Total BTU Consumption/Yr	otion/Yr	5,175,959,969	
							ç	c		1	•	Gross Area (ft) 2	2	80,030	
General Noles.						20,001 × 1.00,02	2	Þ			Div	Divided by 100 000 =	= 00	0 6468	THFRMS
					Other Fuel			0							
					TOT	TOTAL BTU's × 1,000	0	5,175,960							
COST / SQ. FT. / YEAR	/YEAR		\$0.83												

78 | Page

\$0.16

W0h         UOAL         Mittady         per DD         M(tbd)         UOAL         Mittady         Der DD         M(tbd)         COST         COST <thcost< th=""> <thcost< th=""> <thcost< th=""></thcost<></thcost<></thcost<>
0         000         \$1210         \$6         0         \$4.50         \$0           0         000         \$1210         \$679         0         \$4.50         \$0           158         0.41         \$1210         \$679         0         \$4.50         \$0           240         0.41         \$1210         \$5.908         0         \$4.50         \$0           375         0.41         \$1210         \$5.301         0         \$4.50         \$0           378         0.41         \$1210         \$5.301         0         \$4.50         \$0           378         0.41         \$1210         \$5.301         0         \$4.50         \$0           378         0.41         \$1210         \$5.301         0         \$4.50         \$0           378         0.41         \$1210         \$5.301         0         \$4.50         \$0           37         0.30         \$1210         \$5.205         0         \$4.50         \$0           111         0.04         \$1210         \$1.494         0         \$4.50         \$0           1.235         0.31         \$1.4948         0         \$4.50         \$0         \$0 <tr< td=""></tr<>
0         0.00         \$12.10         \$5         0         \$4.50         \$0           158         0.41         \$12.10         \$679         0         \$4.50         \$0           240         0.41         \$12.10         \$679         0         \$4.50         \$0           375         0.41         \$12.10         \$5.908         0         \$4.50         \$0           376         0.41         \$12.10         \$5.301         \$0         \$4.50         \$0           829.58         0.30         \$12.10         \$5.301         \$0         \$4.50         \$0           378         0.41         \$12.10         \$5.301         \$0         \$4.50         \$0           378         0.41         \$12.10         \$5.301         \$0         \$4.50         \$0           378         0.41         \$12.10         \$5.301         \$0         \$4.50         \$0           37         0.30         \$12.10         \$5.205         \$0         \$4.50         \$0           11         0.04         \$12.10         \$5.1496         \$0         \$4.50         \$0           1.235         0.31         \$1.3100         \$1.4948         \$1.510         \$4.50
158       0.41       \$12.10       \$1,907       0       \$4,50       \$0         240       0.41       \$12.10       \$2,908       0       \$4,50       \$0       \$0         375       0.41       \$12.10       \$2,908       0       \$4,53       \$0       \$5       \$0         829.58       0.30       \$12.10       \$10,038       0       \$4,50       \$0       \$0         438       0.41       \$12.10       \$5,301       0       \$4,50       \$0       \$0       \$4,50       \$0         182       0.30       \$12.10       \$5,301       0       \$4,50       \$0       \$4,50       \$0       \$0         190       0.41       \$12.10       \$5,205       0       \$4,50       \$0       \$0       \$4,50       \$0       \$0       \$1       \$0       \$1       \$0       \$4,50       \$0       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0       \$1       \$0
240         0.41         \$12.10         \$2.908         0         \$4.50         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$4.50         \$0
375       0.41       \$12.10       \$4.538       0       \$4.50       \$0         829.58       0.30       \$12.10       \$10,038       0       \$4.50       \$0       \$0         438       0.41       \$12.10       \$5,301       0       \$4.50       \$0       \$0         378       0.41       \$12.10       \$5,301       0       \$4.50       \$0       \$0         190       0.41       \$12.10       \$2.205       0       \$4.50       \$0       \$0         37       0.20       \$12.10       \$2.205       0       \$4.50       \$0       \$0         37       0.20       \$12.10       \$12.46       0       \$4.50       \$0       \$0         11       0.04       \$12.10       \$12.90       \$14.948       0       \$4.50       \$0         1,235       0.37       \$12.10       \$14.948       0       \$4.50       \$0       \$0         2,064.93       0.34       \$12.40       \$12.40       \$1.904       \$0       \$4.50       \$0         2,174.489       0       \$14.948       0       \$4.50       \$0       \$0       \$4.50       \$0         2,174.489       0.34       \$1.4486
829.58         0.30         \$12.10         \$10,038         0         \$4.50         \$0         \$0         \$4.50         \$0         \$0         \$2.50         \$0         \$0         \$2.50         \$0         \$0         \$2.50         \$0         \$0         \$2.50         \$0         \$0         \$2.50         \$0         \$0         \$2.50         \$0         \$0         \$2.50         \$0
438       0.41       \$12.10       \$5.301       0       \$4.56       \$5 </td
378     0.41     \$12.10     \$4,568     0     \$4,50     \$0       182     0.39     \$12.10     \$2,205     0     \$4,50     \$0       37     0.20     \$12.10     \$2,299     0     \$4,50     \$0       11     0.04     \$12.10     \$2,299     0     \$4,50     \$0       11.235     0.37     \$12.10     \$14,948     0     \$4,50     \$0       1.235     0.37     \$12.10     \$14,948     0     \$4,50     \$0       2.064.93     0.34     \$12.10     \$14,948     0     \$4,50     \$0       2.064.93     0.34     \$12.10     \$14,948     0     \$4,50     \$0       2.174.489     512.10     \$24,986     0     \$4,50     \$0       2.174.489     1.1246     1     \$2,458     0     \$4,50     \$0       2.174.489     512.10     \$24,986     0     \$4,50     \$0     \$0       2.174.489     1.14.489     1     1.000     \$4,50     \$0       2.174.489     1.14.489     1.01.000     \$4,50     \$0     \$0       2.174.489     1.14.489     1.01.000     \$4,50     \$0     \$0       2.064.930     0     510.01     \$100.000
182     0.39     \$12.10     \$2.205     0     \$4.50     \$0       190     0.41     \$12.10     \$2.299     0     \$4.50     \$0       37     0.20     \$12.10     \$12.99     0     \$4.50     \$0       11     0.04     \$12.10     \$12.99     0     \$4.50     \$0       1,235     0.37     \$12.10     \$14,948     0     \$4.50     \$0       2,064.93     0.34     \$12.10     \$14,948     0     \$4.50     \$0       2,174.489     512.10     \$24,986     0     \$4.50     \$0     \$0       2,174.489     512.10     \$24,986     0     \$4.50     \$0     \$0       2,174.489     512.10     \$14,948     0     \$4.50     \$0     \$0       2,174.489     512.10     \$54.986     0     \$4.50     \$0     \$0       2,174.489     512.4489     7     7     \$4.239,419,001     \$0       2,064.930     6     50     \$0     \$4.239,419,001     \$0       2,064.930     6     50     \$0     \$4.239,419,001     \$4.239,419,001       1,0962     7     7     7     \$4.239,419,001     \$4.239,419,001       1,0962     7     7     7     <
190       0.41       \$12.10       \$2.299       0       \$4.50       \$0         37       0.20       \$12.10       \$4.46       0       \$4.50       \$0         11       0.04       \$12.10       \$12.90       0       \$4.50       \$0         1.235       0.37       \$12.10       \$14,948       0       \$4.50       \$0         2.064.93       0.34       \$12.10       \$14,948       0       \$4.50       \$0       \$0         2.064.93       0.34       \$12.10       \$14,948       0       \$4.50       \$0       \$0       \$0         2.174.489       1.234       \$12.10       \$14,948       0       \$4.50       \$0
37     0.20     \$12.10     \$446     0     \$4.50     \$0       11     0.04     \$12.10     \$1948     0     \$4.50     \$0       1/235     0.37     \$12.10     \$14,948     0     \$4.50     \$0       2.064.93     0.34     \$12.10     \$14,948     0     \$4.50     \$0       2.064.93     0.34     \$12.10     \$24,986     0     \$4.50     \$0       2,174.489     Energy Utilization Index =     Total BTU Consumption/Yr     4.239,419,001       2,174.489     Total BTU Consumption/Yr     4.239,419,001       0     O     Finergy Utilization Index =     1.0962       2,064.930     Divided by 100,000     1.0962     TH
11     0.04     \$12.10     \$129     0     \$4.50     \$0       1,235     0.37     \$12.10     \$14,948     0     \$4.50     \$0       2,064.93     0.34     \$12.10     \$24,986     0     \$4.50     \$0       2,174,489     Energy Utilization Index =     7 ctalal BTU Consumption/Yr     4,239,419,001       2,064.930     0.34     \$100,000 =     1,0962       2,174,489     Total BTU Consumption/Yr     4,239,419,001       2,064.930     0     \$100,000 =     1,0962
1,235     0.37     \$12.10     \$14,948     0     \$4.50     \$0       2,064.93     0.34     \$12.10     \$24,986     0     \$4.50     \$0       BTU's x 1,000     \$174,489     524,986     0     \$4.50     \$0     \$0       2,174,489     Energy Utilization Index =     Total BTU Consumption/Yr     4,239,419,001       2,064,930     Gross Area (ft) 2     38,675     30,675       0     Divided by 100,000 =     1.0962     TH
2,064.33         0.34         \$12.10         \$24,986         0         \$4.50         \$0           BTU's x 1,000         Energy Utilization Index =         174,489         4,239,419,001         4,239,419,001           2,064,930         Gores Area (ft) 2         38,675         38,675         TH           0         Divided by 100,000 =         1,0962         TH
BTU's × 1.000 2,174,489 2,064,930 0 Cross Area (ft) 2 0 0 0 0 0 0 0 0 1.0962 4,239,419,001 0 0 0 0 1.0962 1.006
Energy Utilization Index = Total BTU Consumption/Yr 4,239,419,001 Gross Area (ft) 2 38,675 Divided by 100,000 = 1.0962
Total BTU Consumption/Yr         4,239,419,001           Gross Area (tt) 2         38,675           Divided by 100,000 =         1.0962
Gross Area (tt) 2 38,675 Divided by 100,000 = 1.0962
Divided by 100,000 = 1.0962
4,239,419

\$1.56	\$0.15
COST / SQ. FT. / YEAR	WATER / SQ. FT. / YEAR

79 | Page

Gilham Hall	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	сітү			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	41,238	95	\$0.058	\$2,383	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$2,383
August	F	218	100%	43,691	200	\$0.059	\$2,565	÷	0.00	\$12.10	\$12	0	\$4.50	\$0	\$2,577
September	137	80	100%	42,713	197	\$0.060	\$2,572	134	0.62	\$12.10	\$1,621	0	\$4.50	\$0	\$4,193
October	385	2	100%	44,458	115	\$0.057	\$2,547	376	0.97	\$12.10	\$4,555	0	\$4.50	\$0	\$7,101
November	587	0	100%	43,588	74	\$0.054	\$2.371	574	0.98	\$12.10	\$6.944	0	\$4.50	\$0	\$9,316
December	916	0	100%	42,673	47	\$0.054	\$2,294	896	0.98	\$12.10	\$10,837	0	\$4.50	\$0	\$13,131
1st half yr	2026	736		258,361	94	\$0.057	\$14,732	1,980.84	0.72	\$12.10	\$23,968	0	\$4.50	\$0	\$38,700
January	1070	0	100%	40,657	38	\$0.053	\$2,136	1,046	0.98	\$12.10	\$12,658	0	\$4.50	\$0	\$14,795
February	922	0	100%	43,815	48	\$0.053	\$2,312	901	0.98	\$12.10	\$10,907	0	\$4.50	\$0	\$13,220
March	445	19	100%	45,948	66	\$0.058	\$2,683	435	0.94	\$12.10	\$5,264	0	\$4.50	\$0	\$7,948
April	464	4	100%	40.126	86	\$0.055	\$2.188	454	0.97	\$12.10	\$5,489	0	\$4.50	\$0	\$7.678
Mav	Ub	97	100%	20 546	158	\$0.054	\$1 60R	88	0.47	\$12.10	\$1 065	c	84 50	U\$	\$7.673
June	26	218	100%	47,824	196	\$0.050	\$2,399	25	0.10	\$12.10	\$308	0	\$4.50	\$0	\$2,707
2nd half yr	3017	338		247,916	74	\$0.054	\$13,327	2,950	0.88	\$12.10	\$35,692	o	\$4.50	\$0	\$49,019
TOTALMEAR	5043	1074		506,277	83	\$0.055	\$28,059	4,930.58	0.81	\$12.10	\$59,660	0	\$4.50	\$0	\$87,719
Building Data:	and the second	1953			Energy Con	Energy Consumption to BTU Conversions	U Conversions								
Gross Area (ft)2	2	92,347			Electricity =	Electricity = KWH X 3413		1,727,924		Ш	Energy Utilization Index =	ln dex =			
Gross Volume (ft)3	(ft)3	738,776			Steam = M (	= M (lbs) X 1,000,000	0	4,930,578			Total	Total BTU Consumption/Yr	tion/Yr	6,658,502,430	
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138.690	06	0			Ŭ	Gross Area (ft) 2	7	92,347	
					Other Fuel			0			Div	Divided by 100,000 =	= 0(	0.7210	THERMS
					TOT	TOTAL BTU's x 1,000	0	6,658,502							
COST / SQ. FT. / YEAR	r. / year		\$0.95												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.09												

M Stadium	
Glass Bowl	2012
BUILDING:	FY YEAR:

	DEGREE DAYS (DD)	(DD) XX			ELECTRICITY	сіт У			NATUI	NATURAL GAS			FUEL OI	_	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	79,527	182	\$0.058	\$4,595	16	0.04	\$5.57	\$89	0	\$4.50	\$0	\$4,685
August	÷	218	100%	94,975	434	\$0.059	\$5,576	9	0.03	\$6.70	\$40	0	\$4.50	\$0	\$5,617
September	137	80	100%	82,591	381	\$0.060	\$4,973	Q	0.03	\$4.88	\$29	0	\$4.50	\$0	\$5,002
October	385	2	100%	99.538	257	\$0.057	\$5.702	8	0.02	\$4.04	\$32	0	\$4.50	\$0	\$5.734
November	587	0	100%	98,191	167	\$0.054	\$5,342	34	0.06	\$4.01	\$136	0	\$4.50	\$0	\$5.478
December	916	0	100%	105,289	115	\$0.054	\$5,660	142	0.16	\$3.84	\$545	0	\$4.50	\$0	\$6,205
1st half yr	2026	736		560,112	203	\$0.057	\$31,849	212.00	0.08	\$4.11	\$872	0	\$4.50	\$0	\$32,721
January	1070	0	100%	95,814	06	\$0.053	\$5,035	319	0.30	\$3.93	\$1,255	0	\$4.50	\$0	\$6,290
February	922	0	100%	99,348	108	\$0.053	\$5,243	368	0.40	\$3.76	\$1,383	0	\$4.50	\$0	\$6,626
March	445	19	100%	77,466	167	\$0.058	\$4,524	539	1.16	\$3.72	\$2,004	0	\$4.50	\$0	\$6,527
April	464	4	100%	41,655	89	\$0.055	\$2,272	268	0.57	\$3.81	\$1,021	0	\$4.50	\$0	\$3,293
Mav	06	97	100%	48.679	260	\$0.054	\$2.649	71	0.38	\$3.37	\$239	0	\$4.50	\$0	\$2.889
June	26	218	100%	47,527	195	\$0.050	\$2,384	37	0.15	\$2.85	\$105	0	\$4.50	\$0	\$2,490
2nd half yr	3017	338		410,489	122	\$0.054	\$22,107	1,602	0.48	\$3.75	\$6,008	O	\$4.50	\$0	\$28,115
TOTALMEAR	5043	1074		970,601	159	\$0.056	\$53,955	1,814.00	0.30	\$3.79	\$6,880	0	\$4.50	\$0	\$60,836
Building Data:	ţ	1937			Energy Con	sumption to B	Energy Consumption to BTU Conversions	8 8711's v 1 000							
Gross Area (ft)2		103,578			Electricity =	Electricity = KWH X 3413		3,312,661		,HJ	Energy Utilization Index =	ו Index =			
Gross Volume (ft)3		828,624			Natural Gas	Natural Gas = MCF X 102,500	,500	185,935			Total	Total BTU Consumption/Yr	ition/Yr	3,498,596,472	
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	0		I		Gross Area (ft) 2	2	103,578	
					Other Fuel			0			Div	Divided by 100,000 =	= 00	0.3378	THERMS
					TOT,	TOTAL BTU's x 1,000	00(	3,498,596							
COST / SQ. FT. / YEAR	/YEAR		\$0.59												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.19												

122/12
5
ATE :
ò

BUILDING: FY YEAR:	Grounds 2012													DATE :	10/22/12
Antonio de la composición de	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
¢															2
July	0	436	100%	13,375	31	\$0.058	\$773	14	0.03	\$6.41	\$91	0	\$4.50	\$0	\$864
August	-	218	100%	12,766	58	\$0.059	\$750	2	0.01	\$10.60	\$25	0	\$4.50	\$0	\$775
September	137	80	100%	9,942	46	\$0.060	\$599	N	0.01	\$9.32	\$19	0	\$4.50	\$0	\$618
October	385	2	100%	10.073	26	\$0.057	\$577	ი	0.01	<b>\$7.96</b>	<b>\$</b> 21	0	\$4.50	\$0	\$598
November	587	0	100%	9.653	16	\$0.054	\$525	12	0.02	\$5.31	\$65	0	\$4.50	\$0	\$590
December	916	0	100%	12,821	14	\$0.054	\$689	47	0.05	\$4.59	\$217	0	\$4.50	\$0	\$906
1st half yr	2026	736		68,630	25	\$0.057	\$3,912	80.66	0.03	\$5.43	\$438	0	\$4.50	\$0	\$4,351
January	1070	0	100%	12.168	£	\$0.053	\$639	66	0.09	\$4.53	\$450	0	\$4.50	\$0	\$1.089
February	922	0	100%	12.124	13	\$0.053	\$640	175	0.19	\$3.92	\$684	0	\$4.50	80	\$1.324
March	445	19	100%	10,624	23	\$0.058	\$620	179	0.39	\$4.38	\$785	0	\$4.50	\$0	\$1,406
April	464	4	100%	8.770	19	\$0.055	\$478	160	0.34	\$4.22	\$676	0	\$4.50	\$0	\$1,154
Mav	06	97	100%	10.674	57	\$0.054	\$581	45	0.24	\$5.79	\$263	0	\$4.50	\$0	\$844
June	26	218	100%	11,564	47	\$0.050	\$580	31	0.13	\$6.40	\$196	0	\$4.50	\$0	\$776
2nd half yr	3017	338		65,923	20	\$0.054	\$3,539	689	0.21	\$4.43	\$3,054	o	\$4.50	\$0	\$6,592
TOTALMEAR	5043	1074		134,553	22	\$0.055	\$7,451	770.10	0.13	\$4.53	\$3,492	0	\$4.50	\$0	\$10,943
Building Data:		1995			Energy Con	sumption to B <sup>-</sup>	Consumption to BTU Conversions								
Gross Area (ft)2	2	13,009			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 459,228		Ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	104,072			Natural Gas	Gas = MCF X 102,500	,500	78,935			Total	Total BTU Consumption/Yr	otion/Yr	538,163,475	
	1					Collect V 128 600	ç	c		I	0	Gross Area (ft) 2	2	13,009	
General Noles.							â	5			Div	Divided by 100 000 =	= 00	0.4137	THERMS
					Other Fuel			0							
					TOT	TOTAL BTU's x 1,000	00	538,163							
COST / SQ. FT. / YEAR	./YEAR		\$0.84												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.16												

82 | Page

Health Human Services	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			NATURAL GAS	GAS	TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	k/Wh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	144,326	331	\$0.058	\$8,340	0	0.00	\$12.10	\$0	0	\$0.00	\$0	\$8,340
August	÷	218	100%	155,743	711	\$0.059	\$9,144	2	0.01	\$12.10	\$21	0	\$0.00	\$0	\$9,165
September	137	80	100%	114,432	527	\$0.060	\$6,890	236	1.09	\$12.10	\$2,861	0	\$0.00	\$0	\$9,751
October	385	2	100%	156,615	405	\$0.057	\$8.971	664	1.72	\$12.10	\$8,040	0	\$0.00	\$0	\$17,011
November	587	0	100%	156,615	267	\$0.054	\$8,521	1,013	1.73	\$12.10	\$12,258	0	\$0.00	\$0	\$20,779
December	916	0	100%	97,832	107	\$0.054	\$5,259	1,581	1.73	\$12.10	\$19,128	0	\$0.00	\$0	\$24,387
1st half yr	2026	736		825,563	299	\$0.057	\$47,125	3,496.46	1.27	\$12.10	\$42,307	00.0	\$0.00	\$0	\$89,433
January	1070	0	100%	127,676	119	\$0.053	\$6,709	1,847	1.73	\$12.10	\$22,344	0	\$0.00	\$0	\$29,053
February	922	0	100%	152,084	165	\$0.053	\$8,026	1,591	1.73	\$12.10	\$19,253	0	\$0.00	\$0	\$27,280
March	445	19	100%	123,730	267	\$0.058	\$7,225	768	1.66	\$12.10	\$9,293	0	\$0.00	\$0	\$16,518
April	464	4	100%	127.594	273	\$0.055	\$6.959	801	1.71	\$12.10	\$9,689	0	\$0.00	\$0	\$16.648
May	06	97	100%	114,441	612	\$0.054	\$6,228	155	0.83	\$12.10	\$1,879	0	\$0.00	\$0	\$8,107
June	26	218	100%	118,577	486	\$0.050	\$5,949	45	0.18	\$12.10	\$543	0	\$0.00	\$0	\$6,491
2nd half yr	3017	338		764,102	228	\$0.054	\$41,096	5,207	1.55	\$12.10	\$63,001	O	\$0.00	\$0	\$104,097
TOTALMEAR	5043	1074		1,589,665	260	\$0.055	\$88,221	8,703.19	1.42	\$12.10	\$105,309	0	\$0.00	\$0	\$193,530
Building Data:		1961			Energy Con	Isumption to B <sup>-</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2	2	163,006			Electricity =	Electricity = KWH X 3413		5,425,525		Ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	1,304,048			Steam = M (	Steam = M (lbs) X 1,000,000	00	8,703,193			Total	Total BTU Consumption/Yr	tion/Yr	14,128,718,651	
										1		Gross Area (ft) 2	2	163,006	
General Notes:					Natural Gas	Natural Gas = MCF X 102,500	,500	0			ć	Divided by 100 000 =	- 0	D REGR	THERMS
					Other Fuel			0	77		2			0000	
					TOT	TOTAL BTU's x 1,000	00	14,128,719							
COST / SQ. FT. / YEAR	T. / YEAR		\$1.19												

83 | Page

\$0.18

BUILDING: FY YEAR:	Health Edu 2012	Health Education Center 2012												DATE :	- 
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПҮ			NATU	NATURAL GAS			FUEL OI	L.	
MONTH	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	ш
July	0	436	100%	101,776	233	\$0.058	\$5,881	420	0.96	\$5.57	\$2,341	0	\$4.50	\$0	
August	F	218	100%	97,177	444	\$0.059	\$5,706	342	1.56	\$6.70	\$2,291	0	\$4.50	\$0	
September	137	80	100%	71,264	328	\$0.060	\$4,291	334	1.54	\$4.88	\$1,630	0	\$4.50	\$0	
October	385	2	100%	61.397	159	\$0.057	\$3.517	292	0.75	\$4.04	\$1.178	0	\$4.50	\$0	
November	587	0	100%	61,369	105	\$0.054	\$3,339	535	0.91	\$4.01	\$2,143	0	\$4.50	\$0	
December	916	0	100%	60,261	66	\$0.054	\$3,240	912	1.00	\$3.84	\$3,501	0	\$4.50	\$0	
1st half yr	2026	736		453,243	164	\$0.057	\$25,973	2,835.00	1.03	\$4.62	\$13,085	0	\$4.50	\$0	
January	1070	0	100%	57,252	54	\$0.053	\$3,008	1,265	1.18	\$3.93	\$4,976	0	\$4.50	\$0	
February	922	0	100%	63,183	69	\$0.053	\$3,335	1,207	1.31	\$3.76	\$4,537	0	\$4.50	\$0	
March	445	19	100%	66,381	143	\$0.058	\$3,876	1,651	3.56	\$3.72	\$6,137	0	\$4.50	\$0	
April	464	4	100%	64,185	137	\$0.055	\$3,500	938	2.00	\$3.81	\$3,575	0	\$4.50	\$0	
May	90	97	100%	10,000	53	\$0.054	\$544	626	3.35	\$3.37	\$2,111	0	\$4.50	\$0	
June	26	218	100%	29,954	123	\$0.050	\$1,503	650	2.66	\$2.85	\$1,851	0	\$4.50	\$0	
2nd half yr	3017	338		290,954	87	\$0.054	\$15,767	6,337	1.89	\$3.66	\$23,187	o	\$4.50	\$0	
TOTALMEAR	5043	1074		744,198	122	\$0.056	\$41,739	9,172.00	1.50	\$3.95	\$36,271	0	\$4.50	\$0	
Building Data:		1967			Energy Con	sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2	2	79,016			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 2,539,946		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	632,128			Natural Gas	Natural Gas = MCF X 102,500	,500	940,130		I	Total	Total BTU Consumption/Yr	otion/Yr	3,480,076,409	1
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138,690	990	o				Gross Area (ft) 2	7	79,016	
					Other Fuel			0			Ō	Divided by 100,000 =	= 00	0.4404	Ŧ

\$4,695 \$5,482 \$6,740 \$39,057 \$7,985 \$7,872 \$7,013 \$38,953

\$78,011

THERMS

3,480,076

TOTAL BTU's x 1,000

\$0.99 \$0.18

COST / SQ. FT. / YEAR WATER / SQ. FT. / YEAR

\$7,075 \$2,655 \$3,353

0ATE: 10/22/12

TOTAL ENERGY COST

\$8,222 \$7,997 \$5,921

MONTH	DEGREE DAYS (DD) Heating Cooling	DAYS (DD) Cooling	% P.F.	kWh	ELECTRICITY KWh per Co. DD Ki	Cost per KVVh	TOTAL	M (LBS)	M (Lbs)	PURCHASED STEAM M (Lbs) Cost per per DD M(Lbs)	TOTAL	1000 cubic feet (Mcf)	NATURAL GAS Cost per McF	GAS TOTAL	TOTAL ENERGY COST
										6					
licity	c	976	1000	6773	C 6 F	¢0.060	¢7 776	c	000	01 01 0	C <del>Q</del>	ų	¢16.00	674	C2 410
Andret	C	218	100%	112 725	515 በ	\$0.059	\$6,610	o +	0.00	\$12.10	a14	ער	\$15.66		\$6.713
September	137	80	100%	131,997	608	\$0.060	\$7,948	201	0.93	\$12.10	\$2,438	24	\$10.37	\$249	\$10,634
October	385	2	100%	135.945	351	\$0.057	\$7.787	566	1.46	\$12.10	\$6.851	37	\$2.78	\$102	\$14.740
November	587	. 0	100%	130,250	222	\$0.054	\$7,086	863	1.47	\$12.10	\$10,445	69	\$4.84	\$335	\$17,867
December	916	0	100%	115,494	126	\$0.054	\$6,209	1,347	1.47	\$12.10	\$16,300	66	\$4.90	\$324	\$22,833
1st half yr	2026	736		684,144	248	\$0.057	\$38,985	2,979.48	1.08	\$12.10	\$36,052	205.50	\$5.65	\$1,161	\$76,197
January	1070	0	100%	112,287	105	\$0.053	\$5,900	1,574	1.47	\$12.10	\$19,040	19	\$3.81	\$71	\$25,011
February	922	0	100%	120,595	131	\$0.053	\$6,364	1,356	1.47	\$12.10	\$16,407	69	\$4.88	\$337	\$23,108
March	445	19	100%	122,076	263	\$0.058	\$7,129	654	1.41	\$12.10	\$7,919	50	\$4.49	\$225	\$15,272
April	464	4	100%	114,325	244	\$0.055	\$6,235	682	1.46	\$12.10	\$8,257	69	\$5.11	\$352	\$14,844
May	90	97	100%	77,830	416	\$0.054	\$4,235	132	0.71	\$12.10	\$1,602	57	\$5.64	\$321	\$6,158
June	26	218	100%	62,442	256	\$0.050	\$3,132	38	0.16	\$12.10	\$463	64	\$7.25	\$466	\$4,061
2nd half yr	3017	338		609,556	182	\$0.054	\$32,996	4,437	1.32	\$12.10	\$53,686	328	\$5.41	\$1,771	\$88,454
TOTALMEAR	5043	1074		1,293,699	211	\$0.056	\$71,981	7,416.34	1.21	\$12.10	\$89,738	533	\$5.50	\$2,932	\$164,651
Building Data:		1994			Energy Cons	sumption to B <sup>-</sup>	Energy Consumption to BTU Conversions	RTH's v 1 000							
Gross Area (ft)2		138,904			Electricity =	Electricity = KWH X 3413		4,415,395		Ξ	Energy Utilization Index =	n Index =			
Gross Volume (ft)3		1,111,232			Steam = M (I	Steam = M (lbs) X 1,000,000	00	7,416,343		9	Tota	Total BTU Consumption/Yr	otion/Yr	11,886,380,905	
General Notes:					Natural Gas	Natural Gas = MCF X 102.500	500	54.643				Gross Area (ft) 2	2	138,904	
											Ō	Divided by 100,000 =	<b>)</b> 0 =	0.8557	THERMS
					Other Fuel			0							
					TOT	TOTAL BTU's x 1,000	00	11,886,381							
COST / SQ. FT. / YEAR	/YEAR		\$1.19												
WATER / SQ. FT. / YEAR	T. / YEAR		\$0.29												

BUILDING: International House

JILDING:	Lake Erie Center

BUILDING: FY YEAR:	Lake Erie Center 2012	enter												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OII		TOTAL
HTNOM	Heating	Cooling	% P.F.	kWh	ktVh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcfper DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	89,650	206	\$0.058	\$5,180	263	0.60	\$5.45	\$1,434	0	\$4.50	\$0	\$6,614
August	÷	218	100%	86,300	394	\$0.059	\$5,067	<del></del>	0.00	\$39.09	\$39	0	\$4.50	\$0	\$5,106
September	137	80	100%	77,700	358	\$0.060	\$4,678	2	0.01	\$20.94	\$42	0	\$4.50	\$0	\$4,720
October	385	2	100%	62.300	161	\$0.057	\$3.569	<del></del>	00.0	\$36.89	\$37	0	\$4.50	\$0	\$3,605
November	587	0	100%	47,000	80	\$0.054	\$2,557	243	0.41	\$4.22	\$1,025	0	\$4.50	\$0	\$3,582
December	916	0	100%	47,400	52	\$0.054	\$2,548	355	0.39	\$4.32	\$1,534	0	\$4.50	\$0	\$4,082
1st half yr	2026	736		410,350	149	\$0.058	\$23,600	865.00	0.31	\$4.75	\$4,110	0	\$4.50	\$0	\$27,710
January	1070	0	100%	47,400	44	\$0.053	\$2,491	578	0.54	\$4.43	\$2,560	0	\$4.50	\$0	\$5,050
February	922	0	100%	46,400	50	\$0.053	\$2,449	527	0.57	\$3.92	\$2,068	0	\$4.50	\$0	\$4,516
March	445	19	100%	46,400	100	\$0.058	\$2,710	576	1.24	\$4.38	\$2,526	0	\$4.50	\$0	\$5,235
April	464	4	100%	49,600	106	\$0.055	\$2,705	447	0.96	\$4.25	\$1,900	0	\$4.50	\$0	\$4,605
May	90	97	100%	51,900	278	\$0.054	\$2,824	411	2.20	\$4.16	\$1,708	0	\$4.50	\$0	\$4,533
June	26	218	100%	89,650	367	\$0.050	\$4,497	456	1.87	\$3.47	\$1,581	0	\$4.50	\$0	\$6,078
2nd half yr	3017	338		331,350	66	\$0.053	\$17,676	2,995	0.89	\$4.12	\$12,342	o	\$4.50	\$0	\$30,018
TOTAL/YEAR	5043	1074		741,700	121	\$0.056	\$41,275	3,860.00	0.63	\$4.26	\$16,452	0	\$4.50	\$0	\$57,728
Building Data:		1997			Energy Cor	Isumption to B <sup>-</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2		34,054			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 2,531,422			Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	272,432			Natural Gas	Natural Gas = MCF X 102,500	500	395,650			Total	Total BTU Consumption/Yr	otion/Yr	2,927,072,100	
												Gross Area (ft) 2	2	34,054	2
General Notes:	357				Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	0			Ϋ́́	Divided by 100 000 =	= 00	0 8505	THERMS
					Other Fuel			0			2			0000	
					τοτ	TOTAL BTU's × 1,000	00	2,927,072							
COST / SQ. FT. / YEAR	'./YEAR		\$1.70												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.11												

86 | Page

Larimer Athletic Complex	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OI	Ŀ	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	207,242	475	\$0.058	\$11,975	193	0.44	\$5.57	\$1,076	0	\$4.50	\$0	\$13,051
August	F	218	100%	199,239	910	\$0.059	\$11,698	33	0.15	\$6.70	\$221	0	\$4.50	\$0	\$11,919
September	137	80	100%	163,832	755	\$0.060	\$9,865	45	0.21	\$4.88	\$220	0	\$4.50	\$0	\$10,084
October	385	2	100%	138.529	358	\$0.057	\$7.935	85	0.22	\$4.04	\$343	0	\$4.50	\$0	\$8.278
November	587	0	100%	121.473	207	\$0.054	\$6,609	179	0.30	\$4.01	\$717	0	\$4.50	09	\$7.326
December	916	0	100%	109,202	119	\$0.054	\$5,871	317	0.35	\$3.84	\$1,217	0	\$4.50	\$0	\$7,087
1st half yr	2026	736		939,517	340	\$0.057	\$53,952	852.00	0.31	\$4.45	\$3,793	O	\$4.50	\$0	\$57,746
January	1070	0	100%	94,076	88	\$0.053	\$4,943	283	0.26	\$3.93	\$1,113	0	\$4.50	\$0	\$6,057
February	922	0	100%	94,639	103	\$0.053	\$4,995	334	0.36	\$3.76	\$1,255	0	\$4.50	\$0	\$6,250
March	445	19	100%	118,137	255	\$0.058	\$6,899	441	0.95	\$3.72	\$1,639	0	\$4.50	\$0	\$8,538
April	464	4	100%	116.496	249	\$0.055	\$6.353	275	0.59	\$3.81	\$1.048	0	\$4.50	20	\$7.401
May	90	26	100%	152,479	815	\$0.054	\$8,298	154	0.82	\$3.37	\$519	0	\$4.50	\$0	\$8,817
June	26	218	100%	168,717	691	\$0.050	\$8,464	158	0.65	\$2.85	\$450	0	\$4.50	\$0	\$8,914
2nd half yr	3017	338		744,542	222	\$0.054	\$39,952	1,645	0.49	\$3.66	\$6,025	o	\$4.50	\$0	\$45,977
TOTALMEAR	5043	1074		1,684,059	275	\$0.056	\$93,904	2,497.00	0.41	\$3.93	\$9,819	O	\$4.50	\$0	\$103,723
Building Data:		1990			Energy Con	Isumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2	2	32,139			Electricity =	Electricity = KWH X 3413		BIU'S X 1,000 5,747,694		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	257,112			Natural Gas	Natural Gas = MCF X 102,500	,500	255,943		,	Tota	Total BTU Consumption/Yr	otion/Yr	6,003,636,550	
General Notes					Fuel Oil = G	Oil = Gallons X 138 700	200	C				Gross Area (ft) 2	2	32,139	
								) c			D	Divided by 100,000 =	= 00	1.8680	THERMS
					TOT	TOTAL BTU's x 1,000	000	6,003,637							
COST / SQ. FT. / YEAR	Γ. / YEAR		\$3.23												

\$0.39

Law Center	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПҮ			PURCHAS	PURCHASED STEAM		1	NATURAL GAS	SAS	TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	255,333	586	\$0.058	\$14,754	0	0.00	\$12.10	\$0	÷	\$50.18	\$25	\$14,779
August	÷	218	100%	261,249	1,193	\$0.059	\$15,339	÷	0.01	\$12.10	\$16	÷	\$43.05	\$26	\$15,381
September	137	80	100%	265,892	1,225	\$0.060	\$16,010	182	0.84	\$12.10	\$2,201	÷	\$50.18	\$25	\$18,235
October	385	2	100%	267.791	692	\$0.057	\$15.339	511	1.32	\$12.10	\$6,184	0	\$53.90	\$22	\$21.545
November	587	0	100%	242,145	413	\$0.054	\$13,174	779	1.33	\$12.10	\$9,429	÷	\$26.90	\$24	\$22,628
December	916	0	100%	253,061	276	\$0.054	\$13,604	1,216	1.33	\$12.10	\$14,714	₽	\$25.08	\$25	\$28,344
1st half yr	2026	736		1,545,472	560	\$0.057	\$88,221	2,689.65	76.0	\$12.10	\$32,545	3.90	\$37.66	\$147	\$120,912
January	1070	0	100%	255,794	239	\$0.053	\$13,441	1,420	1.33	\$12.10	\$17,188	÷	\$36.12	\$22	\$30,651
February	922	0	100%	273.817	297	\$0.053	\$14.451	1.224	1.33	\$12.10	\$14.811	÷	\$25.14	\$25	\$29.287
March	445	19	100%	287,786	620	\$0.058	\$16,806	591	1.27	\$12.10	\$7,148	÷	\$25.81	\$26	\$23,980
April	464	4	100%	257.696	551	\$0.055	\$14.054	616	1.32	\$12.10	\$7,453	4	\$6.66	\$27	\$21.534
Mav	06	97	100%	271 393	1 451	\$0.054	\$14 769	119	0.64	\$12.10	\$1 446	<b>.</b>	\$28.72	\$26	\$16.241
anil	26	218	100%	261.078	1 070	\$0.050	\$13.097	35	014	\$12.10	\$418	. <b>P</b>	\$11 54	<b>\$</b> 51	\$13 566
	04	017	8 001	0 101 107	0.0,1	0000	- coo'o - +	2	<u>+</u> 	01.210	2 + +	t	<b>t</b> )+		000.01
2nd half yr	3017	338		1,607,563	479	\$0.054	\$86,618	4,005	1.19	\$12.10	\$48,464	12	\$14.78	\$176	\$135,257
TOTALMEAR	5043	1074		3,153,035	515	\$0.055	\$174,839	6,694.91	1.09	\$12.10	\$81,008	16	\$20.43	\$323	\$256,170
Building Data:	5750	1972			Energy Cons	sumption to B <sup>7</sup>	Consumption to BTU Conversions								
Gross Area (ft)2	)2	125,392			Electricity =	Electricity = KWH X 3413		10,761,307		Щ	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	; (ft)3	1,003,136			Steam = M (	= M (lbs) X 1,000,000	00	6,694,912		1	Total	Total BTU Consumption/Yr		17,457,838,576	I
General Notes:	<i>i</i> 4				Natural Gas	Gas = MCF X 102,500	500	1,620			Ċ	Gross Area (ft) 2	0	125,392	
					Other Fuel			0			Ē	ulviaea by 100,000 =	= 00	1.3923	IHEKING
					TOT	TOTAL BTU's x 1,000	00	17,457,839							
COST / SQ. FT. / YEAR	T./YEAR		\$2.04												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.06												

WATER / SQ. FT. / YEAR

- 2	N
- 3	Σ
	2
1	N)
- 3	2
	÷
	• •
- 3	ш
- 3	F.
- 3	∢.
3	O.

ELECT	DEGREE DAYS (DD)	
	2012	FY YEAR:
	Levis House	BUILDING:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПҮ			NATUI	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	7,048	16	\$0.058	\$407	22	0.05	\$10.52	\$227	0	\$4.50	\$0	\$634
August	÷	218	100%	6,275	29	\$0.059	\$368	11	0.05	\$11.87	\$135	0	\$4.50	\$0	\$504
September	137	80	100%	5,464	25	\$0.060	\$329	18	0.08	\$10.83	\$194	0	\$4.50	\$0	\$523
October	385	2	100%	2,553	7	\$0.057	\$146	49	0.13	\$2.49	\$121	0	\$4.50	\$0	\$267
November	587	0	100%	3,605	9	\$0.054	\$196	64	0.11	\$6.02	\$383	0	\$4.50	\$0	\$579
December	916	0	100%	5,255	9	\$0.054	\$283	28	0.03	\$5.85	\$164	0	\$4.50	\$0	\$447
1st half yr	2026	736		30,200	:	\$0.057	\$1,730	191.10	0.07	\$6.41	\$1,224	0	\$4.50	\$0	\$2,954
January	1070	0	100%	6,091	9	\$0.053	\$320	18	0.02	\$3.88	\$69	0	\$4.50	\$0	\$389
February	922	0	100%	6,993	8	\$0.053	\$369	32	0.03	\$5.10	\$163	0	\$4.50	\$0	\$532
March	445	19	100%	5,136	£	\$0.058	\$300	34	0.07	\$5.62	\$191	0	\$4.50	\$0	\$491
April	464	4	100%	3,609	ω	\$0.055	\$197	33	0.07	\$5.95	\$197	0	\$4.50	\$0	\$394
May	06	97	100%	3,044	16	\$0.054	\$166	32	0.17	\$6.01	\$191	0	\$4.50	\$0	\$357
June	26	218	100%	4,070	17	\$0.050	\$204	53	0.22	\$5.10	\$271	0	\$4.50	\$0	\$475
2nd half yr	3017	338		28,943	თ	\$0.054	\$1,556	202	90.06	\$5.36	\$1,082	0	\$4.50	\$0	\$2,638
TOTALMEAR	5043	1074		59,143	10	\$0.095	\$5,643	392.90	0.06	\$5.87	\$2,306	0	\$4.50	\$0	\$7,949
Building Data:		1920			Energy Con	sumption to BT	Energy Consumption to BTU Conversions								1 1
Gross Area (ft)2	2	6,457			Electricity =	Electricity = KWH X 3413		201,855		Ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	51,656			Natural Gas	Natural Gas = MCF X 102,500	500	40,272			Total I	Total BTU Consumption/Yr	tion/Yr	242,127,309	
General Notes:	122				Fuel Oil = G	Fuel Oil = Gallons X 138,690	00	0			0	Gross Area (ft) 2	2	6,457	
					Other Fuel			0			Div	Divided by 100,000 =	= 0	0.3750	THERMS
					TOT	TOTAL BTU's x 1,000	00	242,127							
COST / SQ. FT. / YEAR	'./YEAR		\$1.23												

89 | Page

\$0.48

BUILDING:	Libby Hall
FY YEAR:	2012

Ω	DEGREE DAYS (DD)	AYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			NATURAL GAS	SAS	TOTAL
HTNOM	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	2,639	9	\$0.058	\$153	0	0.00	\$12.10	\$0	12	\$8.35	\$99	\$252
August	÷	218	100%	2,742	13	\$0.059	\$161	0	0.00	\$12.10	\$2	10	\$8.82	\$84	\$247
September	137	80	100%	2,671	12	\$0.060	\$161	24	0.11	\$12.10	\$294	0	\$8.35	\$77	\$532
October	385	7	100%	2,765	7	\$0.057	\$158	68	0.18	\$12.10	\$827	o	\$2.60	\$24	\$1,010
November	587	0	100%	2,609	4	\$0.054	\$142	104	0.18	\$12.10	\$1,261	10	\$2.29	\$24	\$1,427
December	916	0	100%	2,908	ę	\$0.054	\$156	163	0.18	\$12.10	\$1,968	21	\$7.48	\$158	\$2,282
1st half yr	2026	736		16,335	Q	\$0.057	\$931	359.65	0.13	\$12.10	\$4,352	71.50	\$6.52	\$466	\$5,749
January	1070	0	100%	1,980	2	\$0.053	\$104	190	0.18	\$12.10	\$2,298	12	\$2.16	\$25	\$2,427
February	922	0	100%	1,934	0	\$0.053	\$102	164	0.18	\$12.10	\$1,980	20	\$5.01	\$100	\$2,183
March	445	19	100%	2,575	9	\$0.058	\$150	79	0.17	\$12.10	\$956	22	\$4.92	\$106	\$1,212
April	464	4	100%	2.636	9	\$0.055	S144	82	0.18	\$12.10	\$997	19	\$4.78	\$91	\$1.231
Mav	06	97	100%	2.519	13	\$0.054	\$137	16	0.09	\$12.10	\$193	20	\$4.99	\$98	\$429
June	26	218	100%	383	0	\$0.050	\$19	5	0.02	\$12.10	\$56	31	\$5.38	\$166	\$241
2nd half yr	3017	338		12,027	4	\$0.055	\$657	536	0.16	\$12.10	\$6,480	123	\$4.78	\$586	\$7,723
TOTAL/YEAR	5043	1074		28,362	5	\$0.056	\$1,588	895.22	0.15	\$12.10	\$10,832	194	\$5.42	\$1,053	\$13,473
Building Data:	G-10	1935			Energy Cor	1sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2	C - 20	16,767			Electricity =	Electricity = KWH X 3413		BIUSX1,000 96,799		Ш	Energy Utilization Index =	n Index =			
Gross Volume (#)3		134,136			Steam = M	Steam = M (lbs) X 1,000,000	00(	895,221		I	Tota	Total BTU Consumption/Yr	tion/Yr	1,011,925,965	ī
General Notes:					Natural Ga	Natural Gas = MCF X 102,500	,500	19,906			č	Gross Area (ft) 2		16,767 0.0001	
					Other Fuel			0	-		ב	uiviaea by iuu,uuu =		C200.0	INEKWO
					TOT	TOTAL BTU's x 1,000	00(	1,011,926							
COST / SQ. FT. / YEAR	YEAR		\$0.80												
WATER / SQ. FT. / YEAR	/YEAR		\$0.11												

BUILDING: FY YEAR:	MacKinnon Hall 2012	Hall												DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	CITY			PURCHA:	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	13,001	30	\$0.058	\$751	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$751
August	۲	218	100%	17,624	80	\$0.059	\$1,035	0	00.0	\$12.10	\$5	0	\$4.50	\$0	\$1,040
September	137	80	100%	23,441	108	\$0.060	\$1,411	61	0.28	\$12.10	\$733	0	\$4.50	\$0	\$2,145
October	385	2	100%	24.752	64	\$0.057	\$1.418	170	0.44	\$12.10	\$2.061	0	\$4.50	\$0	\$3.479
November	587	0	100%	24.034	41	\$0.054	\$1,308	260	0.44	\$12.10	\$3.142	0	\$4.50	\$0	\$4.450
December	916	0	100%	22,593	25	\$0.054	\$1,215	405	0.44	\$12.10	\$4,904	0	\$4.50	\$0	\$6,118
1st half yr	2026	736		125,444	45	\$0.057	\$7,137	896.33	0.32	\$12.10	\$10,846	0	\$4.50	\$0	\$17,983
January	1070	0	100%	22.716	21	\$0.053	\$1.194	473	0.44	\$12.10	\$5.728	0	\$4.50	\$0	\$6.922
Fehrian	625	C	100%	24 459	77	\$0.053	\$1 291	408	0 44	\$12.10	959 436	C	84 50	\$U	\$6 226
March	775	0	100%	24 753	- 4 1 1	\$0.058	\$1 445	107		\$12.10	\$7 387		\$4 50	¢	\$3,878
	<b>}</b>	2	8001	74,100	3	000.04	0tt»	6	74.0	\$17.1¢	\$2,JUZ	þ	00.49	0 *	40,040
April	464	4	100%	21,919	47	\$0.055	\$1,195	205	0.44	\$12.10	\$2,484	0	\$4.50	\$0	\$3,679
May	06	97	100%	15,789	84	\$0.054	\$859	40	0.21	\$12.10	\$482	0	\$4.50	\$0	\$1,341
June	26	218	100%	14,155	58	\$0.050	\$710	12	0.05	\$12.10	\$139	0	\$4.50	\$0	\$849
2nd half yr	3017	338		123,790	37	\$0.054	\$6,695	1,335	0.40	\$12.10	\$16,151	0	\$4.50	\$0	\$22,845
G.															
TOTALMEAR	5043	1074		249,234	41	\$0.055	\$13,832	2,231.09	0.36	\$12.10	\$26,996	0	\$4.50	\$0	\$40,828
Building Data:		1938			Energy Con	Consumption to BTU Conversions	U Conversions								
Gross Area (ft)2	7	41,787			Electricity =	Electricity = KWH X 3413		B10 5 X 1,000 B50,635		Ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	334,296			Steam = M (	= M (lbs) X 1,000,000	Q	2,231,086			Total I	Total BTU Consumption/Yr	tion/Yr	3,081,720,572	
Concel Nation	2					- Collone V 128 600	ç	c			0	Gross Area (ft) 2	2	41,787	
Cellel al NOIes	2						ŋ	Þ			Divi	Divided by 100,000 =	= 0	0.7375	THERMS
					Other Fuel			0							
					TOT,	TOTAL BTU's x 1,000	0(	3,081,721							
COST / SQ. FT. / YEAR	L. / YEAR		\$0.98												

91 | Page

\$0.20

BUILDING: FY YEAR:	McComas Village 2012	Village												DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПУ			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	23,203	53	\$0.058	\$1,341	38	0.09	\$15.61	\$598	0	\$4.50	\$0	\$1,939
August	Ŧ	218	100%	102,099	466	\$0.059	\$5,995	47	0.22	\$15.47	\$730	0	\$4.50	\$0	\$6,725
September	137	80	100%	105,317	485	\$0.060	\$6,341	108	0.50	\$11.32	\$1,219	0	\$4.50	\$0	\$7,560
October	385	2	100%	87,874	227	\$0.057	\$5,033	149	0.38	\$3.51	\$523	0	\$4.50	\$0	\$5,557
November	587	0	100%	76,045	130	\$0.054	\$4,137	324	0.55	\$4.73	\$1,530	0	\$4.50	\$0	\$5,667
December	916	0	100%	63,673	20	\$0.054	\$3,423	436	0.48	\$4.23	\$1,840	0	\$4.50	\$0	\$5,263
1st half yr	2026	736		458,213	166	\$0.057	\$26,271	1,101.20	0.40	\$5.85	\$6,440	0	\$4.50	\$0	\$32,711
January	1070	0	100%	73,149	68	\$0.053	\$3,844	368	0.34	\$1.85	\$681	0	\$4.50	\$0	\$4,524
February	922	0	100%	74,983	81	\$0.053	\$3,957	669	0.76	\$3.72	\$2,601	0	\$4.50	\$0	\$6,559
March	445	19	100%	70,958	153	\$0.058	\$4,144	784	1.69	\$4.25	\$3,335	0	\$4.50	\$0	\$7,479
April	464	4	100%	62,898	134	\$0.055	\$3,430	692	1.48	\$5.43	\$3,759	0	\$4.50	\$0	\$7,189
May	90	97	100%	41,204	220	\$0.054	\$2,242	629	3.37	\$5.76	\$3,625	0	\$4.50	\$0	\$5,868
June	26	218	100%	31,243	128	\$0.050	\$1,567	502	2.06	\$7.38	\$3,703	0	\$4.50	\$0	\$5,270
2nd half yr	3017	338		354,436	106	\$0.054	\$19,185	3,675	1.10	\$4.82	\$17,704	o	\$4.50	\$0	\$36,889
TOTALMEAR	5043	1074		812,649	133	\$0.056	\$45,455	4,776.00	0.78	\$5.06	\$24,145	0	\$4.50	\$0	\$69,600
Building Data:		1990			Energy Con	sumption to B1	Energy Consumption to BTU Conversions								
Gross Area (ft)2	~	124,533			Electricity =	Electricity = KWH X 3413		2,773,570		ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(#)3	996,264			Natural Gas	Natural Gas = MCF X 102,500	500	489,540		I	Total	Total BTU Consumption/Yr	tion/Yr	3,263,109,672	
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	0				Gross Area (II) Z		1 24,033	GMQLITE
					Other Fuel			0				uivided by iou,oud =	1	0.2020	
					TOT	TOTAL BTU's x 1,000	00	3,263,110							

92 | Page

\$0.56 \$0.30

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

McMaster Hall	2012
BUILDING:	FY YEAR:

	DEGREE DAYS (DD)	(DD) AYS			ELECTRICITY	CITY			PURCHA	PURCHASED STEAM					TOTAI
MONTH	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	ENERGY COST
July	0	436	100%	103,953	238	\$0.058	\$6,007	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$6,007
August	÷	218	100%	107,681	492	\$0.059	\$6,322	-	0.00	\$12.10	\$9	0	\$4.50	\$0	\$6,331
September	137	80	100%	99,435	458	\$0.060	\$5,987	97	0.45	\$12.10	\$1,179	0	\$4.50	\$0	\$7,166
Octoher	385	c	100%	109 845	284	\$0.057	\$6 292	274	0.71	\$12.10	\$3.314	C	\$4 50	U\$	\$9 606
November	587	ı c	100%	100 476	106	\$0.054	\$5 052	110	14.0	\$10 10	\$6 063	) C	64 EO	e e	\$11 DDF
December	916	00	100%	114,843	125	\$0.054	\$6,174	652	0.71	\$12.10	\$7,885	00	\$4.50	0 \$	\$14,059
1st half yr	2026	736		645,183	234	\$0.057	\$36,736	1,441.31	0.52	\$12.10	\$17,440	0	\$4.50	\$0	\$54,175
January	1070	0	100%	96,564	90	\$0.053	\$5,074	761	0.71	\$12.10	\$9,211	0	\$4.50	\$0	\$14,285
February	922	0	100%	103,928	113	\$0.053	\$5,485	656	0.71	\$12.10	\$7,937	0	\$4.50	\$0	\$13,421
March	445	19	100%	111,969	241	\$0.058	\$6,539	317	0.68	\$12.10	\$3,831	0	\$4.50	\$0	\$10,369
	151		10001	100 005	000	\$0.05E	¢5 611	000	14 0	01 010	t 004	c	0 7 E O	Ç	\$0 616
April	404	4	%_nn1	con'cn1	720	000.0¢	770'00	ncc	0.1	01.21¢	100,00	5	00.44	D¢	010.64
May	06	97	100%	99,052	530	\$0.054	\$5,390	64	0.34	\$12.10	\$775	0	\$4.50	\$0	\$6,165
June	26	218	100%	98,289	403	\$0.050	\$4,931	18	0.08	\$12.10	\$224	0	\$4.50	\$0	\$5,155
2nd half yr	3017	338		612,887	183	\$0.054	\$33,041	2,146	0.64	\$12.10	\$25,970	o	\$4.50	\$0	\$59,011
TOTALMEAR	5043	1074		1,258,070	206	\$0.055	\$69,776	3,587.61	0.59	\$12.10	\$43,410	0	\$4.50	\$0	\$113,186
Building Data:		1987			Energy Con	sumption to BT	Energy Consumption to BTU Conversions								
Gross Area (ft)2	2	67,194			Electricity =	Electricity = KWH X 3413		4,293,791		<u>H</u>	Energy Utilization Index =	i Index =			
Gross Volume (ft)3	(ft)3	537,552			Steam = M (	Steam = M (lbs) X 1,000,000	00	3,587,613			Total	Total BTU Consumption/Yr	otion/Yr	7,881,403,778	
General Notes:	125				Fuel Oil = G	Fuel Oil = Gallons X 138.690	06	0				Gross Area (ft) 2	2	67,194	
					1 1			ſ			Div	Divided by 100,000 =	= 00	1.1729	THERMS
					Other Fuel										
					TOT	TOTAL BTU's x 1,000	00	7,881,404							
COST / SQ. FT. / YEAR	./YEAR		\$1.68												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.09												

93 | Page

FY YEAR:	2012														
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	сіт У			PURCHA	PURCHASED STEAM			FUEL OI	I.	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	110,353	253	\$0.058	\$6,377	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$6,377
August	÷	218	100%	102,085	466	\$0.059	\$5,994	2	0.01	\$12.10	\$20	0	\$4.50	\$0	\$6,014
September	137	80	100%	101,620	468	\$0.060	\$6,119	226	1.04	\$12.10	\$2,739	0	\$4.50	\$0	\$8,858
October	385	2	100%	106,718	276	\$0.057	\$6,113	636	1.64	\$12.10	\$7,698	0	\$4.50	\$0	\$13,811
November	587	0	100%	101,827	173	\$0.054	\$5,540	970	1.65	\$12.10	\$11,737	0	\$4.50	\$0	\$17,277
December	916	0	100%	110,086	120	\$0.054	\$5,918	1,514	1.65	\$12.10	\$18,315	0	\$4.50	\$0	\$24,233
1st half yr	2026	736		632,688	229	\$0.057	\$36,060	3,347.77	1.21	\$12.10	\$40,508	0	\$4.50	\$0	\$76,568
January	1070	0	100%	93,036	87	\$0.053	\$4,889	1,768	1.65	\$12.10	\$21,394	0	\$4.50	\$0	\$26,282
February	922	0	100%	101,073	110	\$0.053	\$5,334	1,524	1.65	\$12.10	\$18,435	0	\$4.50	\$0	\$23,769
March	445	19	100%	119,988	259	\$0.058	\$7,007	735	1.58	\$12.10	\$8,897	0	\$4.50	\$0	\$15,904
April	464	4	100%	104,083	222	\$0.055	\$5,676	767	1.64	\$12.10	\$9,277	0	\$4.50	\$0	\$14,954
May	90	97	100%	102,983	551	\$0.054	\$5,604	149	0.80	\$12.10	\$1,799	0	\$4.50	\$0	\$7,404
June	26	218	100%	110,293	452	\$0.050	\$5,533	43	0.18	\$12.10	\$520	0	\$4.50	\$0	\$6,053
2nd half yr	3017	338		631,455	188	\$0.054	\$34,043	4,985	1.49	\$12.10	\$60,322	o	\$4.50	\$0	\$94,366
<b>TOTAL/YEAR</b>	5043	1074		1,264,143	207	\$0.055	\$70,103	8,333.08	1.36	\$12.10	\$100,830	0	\$4.50	\$0	\$170,934
Building Data:		1931			Energy Cont	sumption to B1	Energy Consumption to BTU Conversions								
								8							
Gross Area (ft)2	7	156,074			Electricity =	Electricity = KWH X 3413		4,314,520		Ξ	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	1,248,592			Steam = M (	M (Ibs) X 1,000,000	00	8,333,081		1	Total	Total BTU Consumption/Yr	stion/Yr	12,647,600,722	
General Notes:					Fuel Oil = G	= Gallons X 138,690	90	o				Gross Area (ft) 2	7	156,074	
					Other Fuel			0			ΟŅ	Divided by 100,000 =	= 00	0.8104	THERMS
					TOT/	TOTAL BTU's x 1,000	00	12,647,601							
COST / SQ. FT. / YEAR	r. / Year		\$1.10												

BUILDING: Memorial Field House FY YEAR: 2012 \$1.10 \$0.07

MOUTH         Jearenty         Control         Myr         Kutaby         Mutaby         Kutaby         Mutaby         Control         Mutaby		DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			FUEL OI		TOTA
1         1	MONTH	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	ENERGY
0         436         0008         354.646         0         000         512.10         512         0         5456         50         56         50         56         50         56         50         56         50         56         50         56         50         56         50         56         50         56         50         56         50																
1         218         100%         517.364         118         50.066         516.400         11         001         51.210         51.10         61.00         64.50         500         500.40         51.00         51.00         54.50         500         500         500.40         51.00         51.00         54.50         500         500         500.40         51.20         51.210         54.50         500         500.40         51.20         51.50         50.50         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         54.50         500         56.50         51.20         51.50         500         56.50         500         51.50         51.50         500         56.50         500         51.50         51.50         500         56.50         51.50         51.50         51.50         500         51.50         51.50         51.50	July	0	436	100%	284,816	653	\$0.058	\$16,458	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$16,458
137       80       100%       161/70       839       50.000       510.45       525       851       120       85.518       0       84.50       50         866       0       100%       127.96       226       856.71       53.51       120       85.518       0       84.50       50         876       0       100%       127.96       226       86.776       284.80       10.3       81.16       0       84.50       50         1070       0       100%       144.70       444       50.64       \$7.10       1.282.1       14.40       \$1.10       59.69       50       51       50       51	August	÷	218	100%	262,294	1,198	\$0.059	\$15,400	÷	0.01	\$12.10	\$17	0	\$4.50	\$0	\$15,417
38         2         100%         151,00         300         50054         57,250         533         130         5518         0         54,30         50         54,30         50         54,30         50         54,30         50         54,30         50         54,30         50         54,30         50         54,30         54,30         54,30         54,30         54,30         54,30         54,30         54,30         54,30         56         54,30         54,30         54,30         56         54,30         54,30         54,30         56         56         56         74,30         74,30         54,30         54,30         56         56         56         74,30         74,30         54,30         54,30         56         56         56         74,30         56         56         74,30         56         56         74,30         56         56         56         74,30         56         56         74         56         56         74         56         74,30         56         56         56         56         75         56         75         75         76         75         76         76         76         76         76         76         76         76	September	137	80	100%	181,779	838	\$0.060	\$10,945	192	0.88	\$12.10	\$2,319	0	\$4.50	\$0	\$13,265
987         0         0006         132,706         226         9004         57,25         87,25         87,25         140         512,10         515,60         0         54,60         50           202         736         1,44,770         414         50,05         56,73         55,740         1,437         1,43         0         512,10         515,610         0         54,60         50           1070         10         1005         1,44,770         414         50,05         56,574         1,437         1,40         512,10         515,610         0         54,50         50         56         56         1,437         1,43         51,10         515,610         0         54,50         50         56         56         1,437         1,437         51,10         51,510         51         50         56         50         51 <td< td=""><td>October</td><td>385</td><td>2</td><td>100%</td><td>151,005</td><td>390</td><td>\$0.057</td><td>\$8,650</td><td>539</td><td>1.39</td><td>\$12.10</td><td>\$6,518</td><td>0</td><td>\$4.50</td><td>\$0</td><td>\$15,168</td></td<>	October	385	2	100%	151,005	390	\$0.057	\$8,650	539	1.39	\$12.10	\$6,518	0	\$4.50	\$0	\$15,168
916       0       100%       132,080       144       \$0.064       \$7,101       1,282       140       \$12,10       \$15,508       0       \$450       \$20         2026       738       1,144,770       414       \$0.057       \$65,778       \$283480       100       \$15,610       \$15,610       \$6450       \$0         2026       738       100%       1445       140       \$12,10       \$16,116       0       \$4450       \$0         202       100%       136,516       108       \$0053       \$56,20       1,497       140       \$12,10       \$16,116       \$0       \$4450       \$0       \$450       \$0 <td< td=""><td>November</td><td>587</td><td>0</td><td>100%</td><td>132,796</td><td>226</td><td>\$0.054</td><td>\$7,225</td><td>821</td><td>1.40</td><td>\$12.10</td><td>\$9,938</td><td>0</td><td>\$4.50</td><td>\$0</td><td>\$17,163</td></td<>	November	587	0	100%	132,796	226	\$0.054	\$7,225	821	1.40	\$12.10	\$9,938	0	\$4.50	\$0	\$17,163
2026         736         (144.710)         414         5007         565.718         283.480         103         517.10         54.400         54.50         50           1070         0         100%         147.566         10         51.561         10         54.56         50         56.20         1497         140         512.10         516.61         0         54.50         50           445         19         100%         167.307         361         50.65         51.682         56.62         1497         110         516.61         0         54.50         50         50         50         50         50         56.52         152.01         516.10         516.61         0         54.50         50         50         50         50         50         50         51.51         51.51         51.51         51.56         51.51         51.56         51.56         51.56         51.56         51.56         51.56         50         50         50         50         50         50         50         50         50         50         50         50         50         50         51.51         51.51         51.51         51.51         51.51         51.51         51.51	December	916	0	100%	132,080	144	\$0.054	\$7,101	1,282	1.40	\$12.10	\$15,508	0	\$4.50	\$0	\$22,609
	1st half yr	2026	736		1,144,770	414	\$0.057	\$65,778	2,834.80	1.03	\$12.10	\$34,301	0	\$4.50	\$0	\$100,079
822         0         100%         175 516         136         50.053         56.644         1.290         1.240         51.5610         51.5610         56.5610         56.560         50         56.50         50         56.50         50         50         50         50         50         50         50         57.55         1.24         51.210         57.564         0         54.50         50         50         50         51.210         57.564         0         54.50         50         50         50         51.210         57.564         0         54.50         50         50         50         50         51.210         57.564         0         54.50         50         50         50         51.210         57.564         0         54.50         50         50         50         51.210         57.564         0         54.50         50         50         50         51.210         51.079         0         54.50         50         50         50         50         50         50         51.210         51.079         51.510         51.079         50         50         50         50         50         50         50         50         50         52.56         51.210 <t< td=""><td>January</td><td>1070</td><td>0</td><td>100%</td><td>114,568</td><td>107</td><td>\$0.053</td><td>\$6,020</td><td>1,497</td><td>1.40</td><td>\$12.10</td><td>\$18,116</td><td>0</td><td>\$4.50</td><td>\$0</td><td>\$24,136</td></t<>	January	1070	0	100%	114,568	107	\$0.053	\$6,020	1,497	1.40	\$12.10	\$18,116	0	\$4.50	\$0	\$24,136
415       19       100%       167,307       361       50.068       58,770       523       134       512.10       57,534       0       54.50       50       50       50       50       50       50       50       50       50       50       50       50       50       51,524       60       51,524       0       54.50       50       51,524       50       51,524       50       51,524       51,524       0       54.50       50       50       51,524       50       51,524       0       54.50       50       50       51,524       50       51,524       50       51       51,210       51,524       0       54.50       50       50       51       51,21       126       51,524       50       51      <	February	922	0	100%	125,516	136	\$0.053	\$6,624	1,290	1.40	\$12.10	\$15,610	0	\$4.50	\$0	\$22,234
464         4         100%         139.021         207         50.056         \$7.582         649         1.36         \$12.10         \$7.866         0         \$44.50         \$50         50         50         50         50         51.21         \$12.10         \$12.31         \$12.10         \$14.50         \$50         50         51.21         \$12.10         \$12.31         \$12.1         \$12.10         \$12.31         \$12.10         \$12.31         \$12.10         \$12.31         \$12.10         \$12.30         \$12.31         \$12.10         \$12.30         \$12.31         \$12.10         \$12.30         \$12.30         \$12.31         \$12.10         \$12.30         \$12.30         \$24.50         \$20         \$23         \$23         \$23.55         \$4.21         \$12.51         \$12.51         \$24.50         \$20         \$24.50         \$20         \$23         \$23.55         \$21.21         \$21.5	March	445	19	100%	167,307	361	\$0.058	\$9,770	623	1.34	\$12.10	\$7,534	o	\$4.50	\$0	\$17,304
90         97         100%         206,872         1,105         81,347         126         91,312         36         91,312         36         91,312         36         91,312         36         91,312         36         91,312         36         91,312         36         91,312         36         01,5         51,210         54,30         50         50         50         50         51,312         36         91,312         36         91,312         36         11,31         51,210         54,30         0         54,50         50         50         50         50         50         50         51,210         54,30         0         54,50         50	April	464	4	100%	139,021	297	\$0.055	\$7,582	649	1.39	\$12.10	\$7,856	0	\$4.50	\$0	\$15,437
26       218       100%       225,486       924       \$0.050       \$11,312       36       015       \$12,10       \$440       0       \$4.50       \$0         3017       338       978,569       292       \$0.054       \$52,555       4,221       126       \$12.10       \$51,079       0       \$4.50       \$0         5043       1074       2,123,340       347       \$0.056       \$118,333       7.056,21       115       \$12.10       \$51,079       0       \$4.50       \$0         1993       Energy Consumption to BTU conversions       BTU's x 1,000       7.246,956       7.246,956       Energy Utilization Index =       143.03,172,410         (h)3       1,057,272       Steam = M (bs) X 1,000,000       7.246,956       Energy Utilization Index =       143.03,172,410         (h)3       1,057,272       Steam = M (bs) X 1,000,000       7.246,956       Energy Utilization Index =       143.03,172,410         (h)3       1,057,272       Steam = M (bs) X 1,000,000       7.246,956       Energy Utilization Index =       143.03,172,410         (h)3       1,057,272       Steam = M (bs) X 1,000,000       7.246,956       Divided by 100,000 =       1,0923       T         (h)3       1,057,272       Fuel Cui = Gailons X 138,600	May	06	97	100%	206,672	1,105	\$0.054	\$11,247	126	0.67	\$12.10	\$1,524	0	\$4.50	\$0	\$12,771
3017       338       978,568       292       80.054       \$52,555       4,221       126       \$12.10       \$51,079       0       \$4,50       \$0         5043       1074       2,123,340       347       \$50,056       \$118,333       7,056,21       115       \$12.10       \$85,380       0       \$4,50       \$0         1       1993       Energy Consumption to BTU Conversions       BTU Sx 1,000       7,246,968       Energy Utilization Index =       14,303,172,410         (h)3       1,057,272       Steam = M (lbs) X 1,000,000       7,056,215       Energy Utilization Index =       14,303,172,410         (h)3       1,057,272       Steam = M (lbs) X 1,000,000       7,056,215       Total BTU Consumption/Yr       14,303,172,410         (h)3       1,057,272       Steam = M (lbs) X 1,000,000       7,056,215       Total BTU Consumption/Yr       14,303,172,410         (h)3       1,057,272       Steam = M (lbs) X 1,000,000       7,056,215       Total BTU Consumption/Yr       14,303,172,410         (h)3       1,057,272       Steam = M (lbs) X 1,000,000       7,056,215       Total BTU Consumption/Yr       1,303,172,410         (h)3       1,057,272       Steam = M (lbs) X 1,000,000       0       0       Steage Attact (lp 2)       133,172,410      <	June	26	218	100%	225,486	924	\$0.050	\$11,312	36	0.15	\$12.10	\$440	0	\$4.50	\$0	\$11,752
503         1074         2,123,340         347         50.056         \$18,333         7,056,21         1.15         \$12.10         \$85,380         0         \$4.50         \$0           2         132,159         Energy Consumption to BTU Conversions         T/246,958         Energy Utilization Index =         T/132,12,410         T/132,12,410         T/132,159	2nd half yr	3017	338		978,569	292	\$0.054	\$52,555	4,221	1.26	\$12.10	\$51,079	o	\$4.50	\$0	\$103,634
1993Energy Consumption to BTU Conversions BTU s $7,246,958$ Energy Utilization Index = $7,246,958$ Energy Utilization Index = $7,246,958$ Energy Utilization Index = $1,057,272$ 1,057,272Steam = M (Ibs) X 1,000,0007,056,215Total BTU Consumption/Yr14,303,172,4101,057,272Steam = M (Ibs) X 1,000,00000Total BTU Consumption/Yr14,303,172,4101,057,272Steam = M (Ibs) X 1,000,000000Divided by 100,000 =1,032,1591,057,272Other Fuel014,303,1721,003,0001,003,0001,003,0001,54TOTAL BTU s x 1,00014,303,1721,033,1721,003,0001,003,0001,54Steat01,1303,1721,003,0001,003,0001,003,0001,54Steat1,033,1721,033,1721,003,0001,003,0001,003,0001,54Steat1,033,1721,033,1721,003,0001,003,0001,003,0001,54Steat1,033,1721,033,1721,003,0001,003,0001,003,0001,54Steat1,033,1721,033,1721,003,0001,033,1721,54Steat1,033,1721,003,0001,033,1721,003,0001,54SteatSteatSteat1,033,1721,003,0001,033,1721,54SteatSteatSteatSteat1,033,1721,003,0001,033,1721,54SteatSteatSteatSteatSteat1,033,1721,003,0001,033,172 <td>TOTALMEAR</td> <td></td> <td>1074</td> <td></td> <td>2,123,340</td> <td>347</td> <td>\$0.056</td> <td>\$118,333</td> <td>7,056.21</td> <td>1.15</td> <td>\$12.10</td> <td>\$85,380</td> <td>O</td> <td>\$4.50</td> <td>\$0</td> <td>\$203,710</td>	TOTALMEAR		1074		2,123,340	347	\$0.056	\$118,333	7,056.21	1.15	\$12.10	\$85,380	O	\$4.50	\$0	\$203,710
132,159     Electricity = KWH X 3413     BTU's x 1,000 7,246,968     Energy Utilization Index =       1,057,272     Steam = M (bs) X 1,000,000     7,056,215     Total BTU Consumption/Yr     14,303,172,410       Fuel Coli = Gallons X 138,690     0     0     Gross Area (ft) 2     132,159       Chter Fuel     0     0     Divided by 100,000 =     1,0823       S154     51.54     14,303,172     100,000 =     1,0823	Building Data:		1993			Energy Con	sumption to B	TU Conversions								
132,159     Electricity = KWH X 3413     7,246,958     Energy Utilization Index =       1,057,272     Steam = M (bs) X 1,000,000     7,056,215     Total BTU Consumption/Y     14,303,172,410       1,057,272     Steam = M (bs) X 1,000,000     7,056,215     Total BTU Consumption/Y     14,303,172,410       Other Fuel       0     0     0     Divided by 100,000 =     1,0823       0     0     14,303,172     1,033,172     1,0823       154     TOTAL BTU's x 1,000     14,303,172     1,0823																
1,057,272     Steam = M (bs) X 1,000,000     7,056,215     Total BTU Consumption/Yr     14,303,172,410       Fuel Cil = Gallons X 138,690     0     0     Gross Area (ft) 2     132,159       Chter Fuel     0     0     Divided by 100,000 =     1,0823       TOTAL BTU's x 1,000     14,303,172     1,033,172	Gross Area (ft)	7	132,159			Electricity =	KWH X 3413		7,246,958		ш	Energy Utilizatic	on Index =			
Fuel Cil = Gallons X 138,690     0     Gross Area (ħ) 2     132,159       Other Fuel     0     Divided by 100,000 =     1.0823       TOTAL BTU's x 1,000     14,303,172     14,303,172	Gross Volume	(ft)3	1,057,272				(lbs) X 1,000,(	000	7,056,215		1	Tota	al BTU Consump	ption/Yr	14,303,172,410	ĩ
Other Fuel         0         Divided by 100,000 =         1.0823           TOTAL BTU's x 1,000         14,303,172         14,303,172         1.0823	General Notes	410				Fuel Oil = G	allons X 138,6	390	0				Gross Area (ft)	7	132,159	
ТОТАL BTU's x 1,000 \$1.54						Other Fuel			0	12		۵	iivided by 100,01	= 00	1.0823	THERMS
						TOT,	AL BTU's x 1,(	000	14,303,172							
	COST / SQ. F	r. / YEAR		\$1.54												

BUILDING: Nitschke Hall

\$0.18

	FY YEAR:	2012 DEGREE DAYS (DD)	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OI		TOTAL
1         216         10%         5104         71         5006         5172         200         5176         10         545         5176         6         545         5176         6         545         5006         5136         113         210         5136         5136         113         073         5570         5116         6         5450         50         51375         500         51375         500         51375         51375         51375         51375         51375         5100         51356         51375         5100         51356         51375         5100         51356         510         51366         513         5100         51366         51366         51367         51169         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500         51369         500	MONTH	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	ENERGY COST
1         210         100         2141         110         2000         51.365         114         200         51.365         116         0.74         51.365         116         0.74         51.365         116         0.74         51.365         116         0.74         51.365         116         0.74         51.365         116         0.74         51.365	teite.	c	976	1000	1015	74	\$U 050	C07 13	000	940	¢6 67	44 44 K	c	¢1 60	ç	¢7.00.7
137         60         100%         23,000         15,360         5,366         5,3	Audust	c	218	100%	32,434	148	\$0.059	\$1,904	174	0.79	\$6.70	\$1.166 \$1.166	0 0	\$4.50	\$0 \$	\$3,070
38         2         100%         24,00         62         50.65         51.37         238         061         54.00         7         50.05         54.50	September	137	80	100%	23,000	106	\$0.060	\$1,385	161	0.74	\$4.88	\$786	0	\$4.50	\$0	\$2,171
567         0         100%         54,400         50         50,441         54,40         54,40         54,40         54,40         54,40         54,40         54,40         54,41         54,43         54,43         51,43         0         54,50         54,50         54,50         50         54,50         50,50         51,367         1,444,00         0,54         54,70         54,50         50         54,50         54,50         50,55         52,365         650         1,53         53,73         53,730         0         54,50         50 <td>October</td> <td>385</td> <td>0</td> <td>100%</td> <td>24,000</td> <td>62</td> <td>\$0.057</td> <td>\$1,375</td> <td>238</td> <td>0.61</td> <td>\$4.04</td> <td>\$960</td> <td>0</td> <td>\$4.50</td> <td>\$0</td> <td>\$2,335</td>	October	385	0	100%	24,000	62	\$0.057	\$1,375	238	0.61	\$4.04	\$960	0	\$4.50	\$0	\$2,335
916         0         100%         45,400         50         50.64         5.441         454         0.50         53.34         51.743         0         54.50         50           2026         736         20         100%         45,400         42         50.056         51.367         1,484.00         0.54         54.50         54.50         50           2026         0         100%         45,400         42         50.053         52.386         69.3         0.57.36         54.50         54.50         50           202         0         100%         45,400         42         50.053         52.386         69.3         53.75         53.76         0         54.50         50           202         19         100%         45,400         97         50.7         0.87         53.77         53.77         53.77         53.77         53.67         97         50         53.67         50         50         50         54.50         50         54.50         50         54.50         50         54.50         50         54.50         50         54.50         50         50         54.50         50         50         54.50         50         50         54.50<	November	587	0	100%	45,400	77	\$0.054	\$2,470	257	0.44	\$4.01	\$1,030	0	\$4.50	\$0	\$3,500
2026         73         201-348         73         50.056         \$11,367         1,484.00 $64.56$ \$64.59 $0$ \$44.50         \$67.39 $56.79$ $0$ $54.50$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.33$ $52.366$ $59.337$ $52.366$ $59.337$ $52.366$ $59.337$ $52.366$ $52.376$	December	916	0	100%	45,400	50	\$0.054	\$2,441	454	0.50	\$3.84	\$1,743	0	\$4.50	\$0	\$4,183
1070         0         100%         45,400         42         50.053         52.386         59.9         0.56         53.39         52.356         0         54.50         50         54.50         50         54.50         54.50         54.50         54.50         54.50         54.50         53.068         52.366         60.3         53.23         53.316         53.16         0         54.50         50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         54.50         56.50         56.50         54.50         56.50         56.50 <t< td=""><td>1st half yr</td><td>2026</td><td>736</td><td></td><td>201,248</td><td>73</td><td>\$0.056</td><td>\$11,367</td><td>1,484.00</td><td>0.54</td><td>\$4.58</td><td>\$6,799</td><td>o</td><td>\$4.50</td><td>\$0</td><td>\$18,166</td></t<>	1st half yr	2026	736		201,248	73	\$0.056	\$11,367	1,484.00	0.54	\$4.58	\$6,799	o	\$4.50	\$0	\$18,166
922         0         100%         45,400         49         \$0.053         \$2.366         803         0.87         \$3.77         \$3.018         0         \$4.50         \$0         \$4.50         \$0         \$4.50         \$0         \$4.50         \$0         \$4.50         \$2.471         \$2.73         \$3.170         \$0         \$4.50         \$0         \$4.50         \$2.471         \$2.73         \$3.170         \$0         \$4.50         \$2.471         \$2.771         \$2.73         \$3.170         \$0         \$4.50         \$2.470         \$2.471         \$2.771         \$2.773         \$3.217         \$3.17         \$3.00         \$4.50         \$2.450         \$2.471         \$2.77         \$3.01         \$0         \$4.50         \$2.450         \$2.471         \$2.77         \$3.217         \$3.217         \$3.217         \$3.201         \$0         \$4.500         \$2.450         \$2.77         \$2.76         \$2.76         \$2.065         \$2.60.24         \$4.6010         \$0.77         \$2.905         \$2.60.24         \$4.6010         \$0.77         \$2.450         \$2.60.24         \$2.471         \$2.77         \$2.906         \$2.906         \$2.906         \$2.906         \$2.906         \$2.906         \$2.906         \$2.906         \$2.906         \$2.906	January	1070	0	100%	45,400	42	\$0.053	\$2,386	599	0.56	\$3.93	\$2,356	o	\$4.50	\$0	\$4,742
445       19       100%       45,400       97       \$0.068       \$2,551       850       183       \$3.72       \$3.160       0       \$4.50       \$0         464       4       100%       45,400       97       \$0.055       \$2,476       410       088       \$3.31       \$5.93       0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$4.50       \$0.055       \$2,476       \$10       088       \$3.31       \$5.90       0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$4.50       \$0       \$0       \$0       \$4.50       \$0       \$0       \$0       \$4.50       \$0       \$0       \$0       \$4.50       \$0	February	922	0	100%	45,400	49	\$0.053	\$2,396	803	0.87	\$3.76	\$3,018	0	\$4.50	\$0	\$5,414
464         4         100%         54,00         97         50.055         52,476         410         088         53.31         59.00         0         54.50         50         50         50         50         50         50         50         50         50         50         50         50         50         51         1,14         52.85         5791         0         54.50         50         50         50         50         50         50         50         50         51         143         53.37         5900         0         54.50         50<	March	445	19	100%	45,400	98	\$0.058	\$2,651	850	1.83	\$3.72	\$3,160	0	\$4.50	\$0	\$5,811
90         97         100%         45,400         243         50.054         52,471         267         1,43         53.37         5000         0         54.50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         51.78         51.78         51.78         51.78         51.78         51.78         51.78         51.78         51.78         51.78         50         54.50         50         54.50         50         54.50         50         50         54.50         50	April	464	4	100%	45,400	97	\$0.055	\$2,476	410	0.88	\$3.81	\$1,563	0	\$4.50	\$0	\$4,039
26         218         100%         45,400         186         \$0.050         \$2.278         278         1.14         \$2.85         \$791         0         \$4.50         \$0           3017         338         272,400         81         \$0.054         \$14,657         3.207         0.96         \$3.68         \$11,789         0         \$4.50         \$0           3017         338         272,400         81         \$0.054         \$14,657         3.207         0.96         \$3.68         \$11,789         0         \$4.50         \$0           2010         2010         817         \$0.055         \$2.6024         \$4,691.00         0.77         \$3.96         \$11,789         0         \$4.50         \$0           2010         2010         Electricity EWH X 3413         1,616,561         Energy Utilization Index =         \$1.616,561         \$1.616,561         \$0         \$4.50         \$0           239,61         Natural Gas = MCF X 102,500         490,828         \$1.04,901         \$1.04,901         \$1.04,901         \$1.04,901           (1)3         319,688         0         80.828         \$1.046,561         \$1.616,561         \$1.616,561         \$1.616,561         \$1.616,561           (1)3 <td< td=""><td>May</td><td>90</td><td>97</td><td>100%</td><td>45,400</td><td>243</td><td>\$0.054</td><td>\$2,471</td><td>267</td><td>1.43</td><td>\$3.37</td><td>\$900</td><td>0</td><td>\$4.50</td><td>\$0</td><td>\$3,371</td></td<>	May	90	97	100%	45,400	243	\$0.054	\$2,471	267	1.43	\$3.37	\$900	0	\$4.50	\$0	\$3,371
3017       338       272,400       81       \$0.054       \$14,657       3.207       0.96       \$3.68       \$11,789       0       \$4.50       \$0         5043       1074       473,648       77       \$0.055       \$26,024       4,691.00       0.77       \$3.96       \$11,789       0       \$4.50       \$0         2010       Energy Consumption to BTU Conversions       BTU's × 1,000       0.77       \$3.96       \$16,616,51       Energy Utilization Index =         2       39,618       I.616,561       1,616,561       Energy Utilization Index =       I.616,561       209,388,124         (1)3       319,688       Natural Gas = MCF X 102,500       480,828       I.616,561       Energy Utilization Index =       I.616,561       2097,388,124         (1)3       319,688       Natural Gas = MCF X 102,500       480,828       I.616,561       Total BTU Consumption/Yr       2.097,388,124         (1)3       10,618       I.ee Coll = Gallons X 138,030       0       0       Scos Area (1)2       0.5393         (1)3       10,618       I.ee Coll = Gallons X 138,030       0       0       Divided by 100,000 =       0.5393         I       Total BTU S       I.ee Coll = Gallons X 138,030       0       0       0.5393       0.53	June	26	218	100%	45,400	186	\$0.050	\$2,278	278	1.14	\$2.85	\$791	0	\$4.50	\$0	\$3,069
503         1074         473,648         77         80.055         \$26,024         4,691.00         0.77         \$3.96         \$16,588         0         \$4,50         \$0           2         2010         Energy Consumption to BTU Conversions         BTU's x 1,000         BTU's x 1,000         Energy Utilization index =         \$40,813         \$1,616,561         Energy Utilization index =         \$2,077,388,124         \$2,097,388         \$2,097,388,124         \$2,097	2nd half yr	3017	338		272,400	81	\$0.054	\$14,657	3,207	0.96	\$3.68	\$11,789	O	\$4.50	\$0	\$26,446
2010         Energy Consumption to BTU Conversions           39,961         Electricity = KWH X 3413         1,616,561         Energy Utilization Index =           39,961         Electricity = KWH X 3413         1,616,561         Energy Utilization Index =           319,688         Natural Gas = MCF X 102,500         480,828         Total BTU Consumption/Yr         2,097,388,124           319,688         Natural Gas = MCF X 138,690         0         Total BTU Consumption/Yr         2,097,388,124           Chher Fuel         0         0         Divided by 100,000 =         0,5249           TOTAL BTUs x 1,000         2,097,388         2,097,388         0,5249	TOTALMEAR	5043	1074		473,648	77	\$0.055	\$26,024	4,691.00	0.77	\$3.96	\$18,588	0	\$4.50	\$0	\$44,611
39,961     Electricity = KWH X 3413     D o x 1,000     Energy Utilization Index =       319,688     Natural Gas = MCF X 102,500     480,828     T otal BTU Consumption/Yr     2,097,388,124       319,688     Natural Gas = MCF X 138,690     0     480,828     T otal BTU Consumption/Yr     2,097,388,124       6 Cher Fuel     0     0     Divided by 100,000 =     0.5249       T TAIL BTUs x 1,000     2,097,388	Building Data:		2010			Energy Cor	nsumption to B	TU Conversion:								
319,688         Natural Gas = MCF X 102,500         480,828         Total BTU Consumption/Yr         2,097,388,124           Fuel Oil = Gallons X 138,690         0         6ross Area (#) 2         39,961           Chher Fuel         0         0         Divided by 100,000 =         0.5249           TOTAL BTU's x 1,000         2,097,388	Gross Area (ft);	2	39,961			Electricity =	<del>-</del> KWH X 3413		1,616,561		ш	Energy Utilizatio	n Index =			
Fuel Oil = Gallons X 138,690     0     Gross Arrea (ft) 2     39,961       Other Fuel     0     Divided by 100,000 =     0.5249       TOTAL BTU's × 1,000     2,097,388	Gross Volume	( <b>f</b> )3	319,688			Natural Ga	s = MCF X 102	,500	480,828		ļ	Total	BTU Consump	stion/Yr	2,097,388,124	
0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249 0.5249	General Notes:					Fuel Oil = (	3allons X 138,6	390	o				Gross Area (ft)	0	39,961	
						Other Fuel			0	-		ō	vided by 100,0(	= 00	0.5249	THERMS
						TOT	-AL BTU's x 1,(	00(	2,097,388							

\$1.12 \$0.11

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

BUILDING: P	North Engineering 2012	eering												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	CITY			PURCHA	PURCHASED STEAM			FUEL OI	Ľ	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	406,418	932	\$0.058	\$23,484	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$23,484
August	-	218	100%	377,930	1,726	\$0.059	\$22,190	ო	0.01	\$12.10	\$32	0	\$4.50	\$0	\$22,222
September	137	80	100%	314,413	1,449	\$0.060	\$18,931	367	1.69	\$12.10	\$4,438	0	\$4.50	\$0	\$23,370
October	385	2	100%	278,002	718	\$0.057	\$15,924	1,031	2.66	\$12.10	\$12,473	0	\$4.50	\$0	\$28,397
November	587	0	100%	232,860	397	\$0.054	\$12,669	1,572	2.68	\$12.10	\$19,017	0	\$4.50	\$0	\$31,686
December	916	0	100%	253,612	277	\$0.054	\$13,634	2,453	2.68	\$12.10	\$29,676	0	\$4.50	\$0	\$43,310
1st half yr	2026	736		1,863,235	675	\$0.057	\$106,833	5,424.55	1.96	\$12.10	\$65,637	0	\$4.50	\$0	\$172,470
January	1070	0	100%	223,844	209	\$0.053	\$11,762	2,865	2.68	\$12.10	\$34,665	0	\$4.50	\$0	\$46,428
February	922	0	100%	237,729	258	\$0.053	\$12,546	2,469	2.68	\$12.10	\$29,870	0	\$4.50	\$0	\$42,417
March	445	19	100%	268,901	580	\$0.058	\$15,703	1,191	2.57	\$12.10	\$14,417	0	\$4.50	\$0	\$30,120
April	464	4	100%	241,048	515	\$0.055	\$13,146	1,242	2.65	\$12.10	\$15,032	0	\$4.50	\$0	\$28,178
May	06	97	100%	320,868	1,716	\$0.054	\$17,461	241	1.29	\$12.10	\$2,916	0	\$4.50	\$0	\$20,377
June	26	218	100%	331,421	1,358	\$0.050	\$16,626	70	0.29	\$12.10	\$842	0	\$4.50	\$0	\$17,468
2nd half yr	3017	338		1,623,812	484	\$0.054	\$87,245	8,078	2.41	\$12.10	\$97,743	o	\$4.50	\$0	\$184,988
TOTALMEAR	5043	1074		3,487,047	570	\$0.056	\$194,078	13,502.48	2.21	\$12.10	\$163,380	0	\$4.50	\$0	\$357,458
Building Data:		1954			Energy Con	sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2	_	252,894			Electricity =	Electricity = KWH X 3413		11,901,292		Ш	Energy Utilization Index =	ו ndex =			
Gross Volume (ft)3	ft)3	2,023,152			Steam = M (	m = M (lbs) X 1,000,000	100	13,502,481			Total	Total BTU Consumption/Yr	tion/Yr	25,403,772,888	
General Notes:					Fuel Oil = G	Oil = Gallons X 138,690	390	o			-	Gross Area (ft) 2	0	252,894	
					Other Fuel			0			Div	Divided by 100,000 =	= 0	1.0045	THERMS
					TOT	TOTAL BTU's × 1,000	00(	25,403,773							

97 | Page

\$1.41 \$0.18

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

Ottawa House E&W	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	CITY			PURCHA	PURCHASED STEAM			NATURAL GAS	GAS	TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	134,750	309	\$0.058	\$7,786	0	0.00	\$12.10	\$0	117	\$9.38	\$1,098	\$8,884
August	-	218	100%	209,012	954	\$0.059	\$12,272	ი	0.01	\$12.10	\$35	127	\$9.32	\$1,187	\$13,493
September	137	80	100%	252,571	1,164	\$0.060	\$15,208	394	1.81	\$12.10	\$4,761	333	\$8.94	\$2,978	\$22,947
October	385	2	100%	257,534	665	\$0.057	\$14,752	1,106	2.86	\$12.10	\$13,380	449	\$1.41	\$633	\$28,766
November	587	0	100%	238,096	406	\$0.054	\$12,954	1,686	2.87	\$12.10	\$20,401	887	\$4.02	\$3,559	\$36,914
December	916	0	100%	216,534	236	\$0.054	\$11,641	2,631	2.87	\$12.10	\$31,835	984	\$3.86	\$3,797	\$47,272
1st half yr	2026	736		1,308,497	474	\$0.057	\$74,612	5,819.21	2.11	\$12.10	\$70,412	2,897.10	\$4.57	\$13,252	\$158,277
January	1070	0	100%	212,923	199	\$0.053	\$11,189	3,073	2.87	\$12.10	\$37,187	257	\$1.57	\$402	\$48,778
February	922	0	100%	232,645	252	\$0.053	\$12,278	2,648	2.87	\$12.10	\$32,044	1,104	\$4.19	\$4,624	\$48,945
March	445	19	100%	89,553	193	\$0.058	\$5,230	1,278	2.75	\$12.10	\$15,466	743	\$3.36	\$2,497	\$23,192
April	464	4	100%	84,068	180	\$0.055	\$4,585	1,333	2.85	\$12.10	\$16,126	1,040	\$4.50	\$4,682	\$25,393
May	06	97	100%	69,949	374	\$0.054	\$3,807	259	1.38	\$12.10	\$3,128	868	\$4.57	\$4,100	\$11,035
June	26	218	100%	72,166	296	\$0.050	\$3,620	75	0.31	\$12.10	\$904	666	\$9.61	\$6,395	\$10,919
2nd half yr	3017	338		761,304	227	\$0.053	\$40,708	8,666	2.58	\$12.10	\$104,854	4,707	\$4.82	\$22,701	\$168,263
TOTALMEAR	5043	1074		2,069,801	338	\$0.056	\$115,320	14,484.84	2.37	\$12.10	\$175,267	7,604	\$4.73	\$35,953	\$326,540
Building Data:	500	2005			Energy Con	sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2	73	271,293			Electricity =	ncity = KWH X 3413		BTU's × 1,000 7,064,229		Ш	Energy Utilization Index =	n Index =			
	C/4/	**C 02 * C			- M						ŀ				
Gross volume (II) 3	с ( <b>П</b> ) с	Z, I / U, 344			steam = IVI (	nun'nnn' I Y (sai) IXI = u	001	14,484,838		I	I OI	I otal B I U Consumption/Yr Gross Area (#) 7	2 2	22,328,446,307	
General Notes:	14				Natural Gas	Natural Gas = MCF X 102,500	,500	779,379			ſ		4 0	00000	CMCLIF
					Other Fuel			0			2		= 00	U.023U	

COST / SQ. FT. / YEAR \$1.20 WATER / SQ. FT. / YEAR \$0.21

22,328,446

TOTAL BTU's x 1,000

98 | Page

BUILDING: FY YEAR:	Palmer Hall 2012													DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	СПҮ			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	152,886	351	\$0.058	\$8,834	0	00.0	\$12.10	\$0	0	\$4.50	\$0	\$8,834
August	-	218	100%	145,707	665	\$0.059	\$8,555	÷	0.00	\$12.10	\$9	0	\$4.50	\$0	\$8,564
September	137	80	100%	135,118	623	\$0.060	\$8,136	97	0.45	\$12.10	\$1,177	0	\$4.50	\$0	\$9,312
October	385	2	100%	107,698	278	\$0.057	\$6.169	273	0.71	\$12.10	\$3.306	0	\$4.50	\$0	\$9.476
November	587	0	100%	84.036	143	\$0.054	\$4,572	417	0.71	\$12.10	\$5.041	0	\$4.50	\$0	\$9,613
December	916	0	100%	94,164	103	\$0.054	\$5,062	650	0.71	\$12.10	\$7,867	0	\$4.50	\$0	\$12,929
1st half yr	2026	736		719,609	261	\$0.057	\$41,328	1,438.00	0.52	\$12.10	\$17,400	0	\$4.50	\$0	\$58,728
	0201	c	10001	70.66.0	7.4	¢0.050	001 100	76.0	12.0	01 010	00100	c	07 F.0	ç	010 010
Cohercon		- c	1000	100.00	t 2	\$0.050	001 '+0	501		01.710	40,-00 41 010	o c		0 C	000 010
March	322	- ÷	%000F	00,201	000	\$0.050	046,040	004 016	1/.0	412.10	01, VU 010, VG	5 0	00.44	0.4	⊅12,400 ¢0,406
Warch	645	8	%nn1	101,18	6N7	8c0.0¢	4/0,04	310	80'N	\$12.1U	\$2,822	Þ	¢4.5U	D¢	48,490
April	464	4	100%	95,853	205	\$0.055	\$5,227	329	0.70	\$12.10	\$3,985	0	\$4.50	\$0	\$9,212
May	06	97	100%	116,653	624	\$0.054	\$6,348	64	0.34	\$12.10	\$773	0	\$4.50	\$0	\$7,121
June	26	218	100%	125,893	516	\$0.050	\$6,316	18	0.08	\$12.10	\$223	0	\$4.50	\$0	\$6,539
2nd half yr	3017	338		601,313	179	\$0.054	\$32,295	2,141	0.64	\$12.10	\$25,911	0	\$4.50	\$0	\$58,205
TOTALMEAR	5043	1074		1,320,921	216	\$0.056	\$73,623	3,579.39	0.59	\$12.10	\$43,311	0	\$4.50	\$14,623	\$131,556
Building Data:		1971			Energy Con	sumption to BT	Energy Consumption to BTU Conversions								
Gross Area (ft)2		67,040			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 4,508,303		Ξ	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	536,320			Steam = M (	M (lbs) X 1,000,000	Q	3,579,390			Total	Total BTU Consumption/Yr	tion/Yr	8,087,693,602	
								c		I		Gross Area (ft) 2	2	67,040	
General Notes:	12				Fuel Oil = G	= Gallons X 138,690	0	0			ViC	Divided by 100 000 =	-	1 2064	THERMS
					Other Fuel			0					2	-	
					TOT	TOTAL BTU's x 1,000	0	8,087,694							
COST / SQ. FT. / YEAR	T. / YEAR		\$1.96												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.18												

99 | Page

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			NATURAL GAS	GAS	TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	79,119	181	\$0.058	\$4,572	0	0.00	\$12.10	\$0	35	\$5.57	\$195	\$4,767
August	÷	218	100%	205,043	936	\$0.059	\$12,039	3	0.01	\$12.10	\$21	20	\$6.70	\$134	\$12,194
September	137	80	100%	236,839	1,091	\$0.060	\$14,260	241	1.11	\$12.10	\$2,917	30	\$4.88	\$146	\$17,324
October	385	2	100%	245,233	634	\$0.057	\$14,047	678	1.75	\$12.10	\$8,198	286	\$4.04	\$1,154	\$23,399
November	587	0	100%	229,635	391	\$0.054	\$12,494	1,033	1.76	\$12.10	\$12,499	571	\$4.01	\$2,288	\$27,280
December	916	0	100%	214,002	234	\$0.054	\$11,505	1,612	1.76	\$12.10	\$19,504	631	\$3.84	\$2,422	\$33,431
1st half yr	2026	736		1,209,870	438	\$0.057	\$68,916	3,565.25	1.29	\$12.10	\$43,140	1,573.00	\$4.03	\$6,340	\$118,396
January	1070	0	100%	215,137	201	\$0.053	\$11,305	1,883	1.76	\$12.10	\$22,783	507	\$3.93	\$1,994	\$36,083
February	922	0	100%	229,652	249	\$0.053	\$12,120	1,622	1.76	\$12.10	\$19,632	154	\$3.76	\$579	\$32,331
March	445	19	100%	236,788	510	\$0.058	\$13,828	783	1.69	\$12.10	\$9,475	846	\$3.72	\$3,145	\$26,448
April	464	4	100%	219,995	470	\$0.055	\$11,998	817	1.74	\$12.10	\$9,880	383	\$3.81	\$1,460	\$23,337
May	06	97	100%	97,184	520	\$0.054	\$5,289	158	0.85	\$12.10	\$1,916	548	\$3.37	\$1,848	\$9,053
June	26	218	100%	69,447	285	\$0.050	\$3,484	46	0.19	\$12.10	\$554	417	\$2.85	\$1,187	\$5,225
2nd half yr	3017	338		1,068,202	318	\$0.054	\$58,023	5,309	1.58	\$12.10	\$64,241	2,855	\$3.58	\$10,213	\$132,477
TOTAL/YEAR	5043	1074		2,278,072	372	\$0.056	\$126,939	8,874.42	1.45	\$12.10	\$107,380	4,428	\$3.74	\$16,552	\$250,872
Building Data:		1971			Energy Con	sumption to B	Consumption to BTU Conversions								
Gross Area (ft)2	2	166,213			Electricity =	Electricity = KWH X 3413		BIU'S X 1,000 7,775,060		Ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	1,329,704			Steam = M	Steam = M (lbs) X 1,000,000	000	8,874,421		I	Tota	Total BTU Consumption/Yr	ption/Yr	17,103,351,482	I
General Notes:					Natural Gas	Gas = MCF X 102,500	2,500	453,870				Gross Area (ft) 2	2	166,213	
					Other Fuel			ο			Δ	Divided by 100,000 =	= 00	1.0290	THERMS
					TOT,	OTAL BTU's x 1,000	000	17,103,351							
COST / SQ. FT. / YEAR	Γ. / YEAR		\$1.51												

BUILDING: Parks Tower FY YEAR: 2012 \$0.49

0/22/12
÷
ATE :

Peterson House	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПҮ			NATU	NATURAL GAS			FUEL OII		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	2,260	5	\$0.058	\$131	-	0.00	\$47.13	\$28	0	\$4.50	\$0	\$159
August	F	218	100%	2,240	10	\$0.059	\$132	-	0.00	\$50.18	\$25	0	\$4.50	\$0	\$157
September	137	80	100%	2,320	£	\$0.060	\$140	-	0.00	\$50.18	\$25	0	\$4.50	\$0	\$165
October	385	2	100%	2,500	9	\$0.057	\$143	÷	00.0	\$16.80	\$22	0	\$4.50	\$0	\$165
November	587	0	100%	1,430	7	\$0.054	\$78	8	0.01	\$3.86	\$32	0	\$4.50	\$0	\$109
December	916	0	100%	1,980	2	\$0.054	\$106	23	0.03	\$3.18	\$74	0	\$4.50	\$0	\$180
1st half yr	2026	736		12,730	5	\$0.057	\$729	34.30	0.01	\$5.99	\$206	0	\$4.50	\$0	\$935
January	1070	0	100%	2,240	2	\$0.053	\$118	25	0.02	\$1.16	\$29	0	\$4.50	\$0	\$147
February	922	0	100%	2,400	б	\$0.053	\$127	42	0.05	\$3.40	\$144	0	\$4.50	\$0	\$271
March	445	19	100%	1,770	4	\$0.058	\$103	49	0.10	\$4.25	\$207	o	\$4.50	\$0	\$310
April	464	4	100%	1,170	ę	\$0.055	\$64	33	0.07	\$6.26	\$208	0	\$4.50	\$0	\$272
Mav	90	97	100%	066	ŝ	\$0.054	\$54	29	0.16	\$6.48	\$191	0	\$4.50	\$0	\$244
June	26	218	100%	1,930	80	\$0.050	\$97	14	0.06	\$8.34	\$115	0	\$4.50	\$0	\$212
2nd half yr	3017	338		10,500	ę	\$0.054	\$562	193	0.06	\$4.64	\$894	ο	\$4.50	\$0	\$1,457
TOTALMEAR	5043	1074		23,230	4	\$0.076	\$1,757	227.20	0.04	\$4.84	\$1,100	0	\$4.50	\$0	\$2,857
Building Data:		1936			Energy Con	isumption to B <sup>7</sup>	Energy Consumption to BTU Conversions	s BTI Pe V 1 000							
Gross Area (ft)2	2	4,316			Electricity =	Electricity = KWH X 3413		79,284		Ш	Energy Utilization Index =	n Index =			
Gross Volume (#)3	(ft)3	34,528			Natural Gas	Natural Gas = MCF X 102,500	500	23,288			Tota	Total BTU Consumption/Yr	stion/Yr	102,571,990	
General Notes:	22					Firel Oil = Gallons X 138 690	UB	c		I		Gross Area (ft) 2	2	4,316	
							1				Ō	Divided by 100,000 =	= 00	0.2377	THERMS
					Other Fuel			0							
					TOT	TOTAL BTU's x 1,000	00	102,572							
COST / SQ. FT. / YEAR	'./YEAR		\$0.66												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.07												

BUILDING: F FY YEAR:	Plant Operations 2012	tions												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	ЮТҮ			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	28,262	65	\$0.058	\$1,633	34	0.08	\$6.41	\$217	0	\$4.50	\$0	\$1,850
August	÷	218	100%	26,814	122	\$0.059	\$1,574	9	0.03	\$10.60	\$60	0	\$4.50	\$0	\$1,634
September	137	80	100%	21,233	98	\$0.060	\$1,278	5	0.02	\$9.32	\$46	0	\$4.50	\$0	\$1,324
October	385	7	100%	20,869	54	\$0.057	\$1,195	9	0.02	\$7.96	\$50	0	\$4.50	\$0	\$1,246
November	587	0	100%	22,038	38	\$0.054	\$1,199	29	0.05	\$5.31	\$153	0	\$4.50	\$0	\$1,352
December	916	0	100%	26,197	29	\$0.054	\$1,408	112	0.12	\$4.59	\$514	0	\$4.50	\$0	\$1,922
1st half yr	2026	736		145,415	53	\$0.057	\$8,289	191.34	0.07	\$5.43	\$1,040	0	\$4.50	\$0	\$9,328
January	1070	0	100%	26,235	25	\$0.053	\$1,379	236	0.22	\$4.53	\$1,067	0	\$4.50	\$0	\$2,446
February	922	0	100%	25,821	28	\$0.053	\$1,363	414	0.45	\$3.92	\$1.623	0	\$4.50	\$0	\$2.986
March	445	19	100%	24,646	53	\$0.058	\$1,439	426	0.92	\$4.38	\$1,863	0	\$4.50	\$0	\$3,303
Anril	464	v	100%	20345	51	\$0 በ <del>5</del> 5	\$1 110	380	0.81	CC 12	\$1 603	c	\$4 50	U\$	¢2 712
wew	5	10	100%	24 745	130	\$0.054	\$1 247	108	0.58	\$5 70	\$673		02 14	¢	\$1 07D
June	26 26	218	100%	25,752	106	\$0.050	\$1,292	72	0.30	\$6.40	\$464	00	\$4.50	\$0	\$1,756
2nd half vr	3017	338		147 545	44	\$0.054	87.929	1 636	0.49	\$4.43	\$7 244	C	\$4.50	US	\$15 173
		2		212		100.00	242.	2				2		) <del>)</del>	
TOTALMEAR	5043	1074		292,959	48	\$0.055	\$16,217	1,826.90	0.30	\$4.53	\$8,284	0	\$4.50	\$0	\$24,501
Building Data:		1995			Energy Cor	sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2		30,861			Electricity =	Electricity = KWH X 3413		999,870		ш	Energy Utilization Index =	lindex =			
Gross Volume (ft)3		246,888			Natural Gas	Natural Gas = MCF X 102,500	,500	187,257			Total	Total BTU Consumption/Yr	tion/Yr	1,187,126,799	
General Notes:					Fuel Oil = 0	= Gallons X 138 690	06	0				Gross Area (ft) 2	0	30,861	
					Other Fuel			o			Di	Divided by 100,000 =	= 0	0.3847	THERMS
					TOT	TOTAL BTU's x 1,000	00	1,187,127							
COST / SQ. FT. / YEAR	/YEAR		\$0.79												

\$0.79	\$0.16
COST / SQ. FT. / YEAR	WATER / SQ. FT. / YEAR

102 | Page

122112
ç
ATE
Δ

BUILDING: Research and Technology 1 FY YEAR: 2012

	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	спү			NATU	NATURAL GAS			FUEL OI	Ŀ	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	178,447	409	\$0.058	\$10,311	200	0.46	\$5.57	\$1,115	0	\$4.50	\$0	\$11,426
August	÷	218	100%	160,167	731	\$0.059	\$9,404	174	0.79	\$6.70	\$1,166	0	\$4.50	\$0	\$10,570
September	137	80	100%	120,312	554	\$0.060	\$7,244	161	0.74	\$4.88	\$786	0	\$4.50	\$0	\$8,030
October	385	2	100%	115.483	298	\$0.057	\$6,615	238	0.61	\$4.04	\$960	0	\$4.50	\$0	\$7.575
November	587		100%	119,685	204	\$0 054	\$6.512	257	0 44	\$4.01	\$1 030		\$4 50	US	\$7 541
December	916	0	100%	119,685	131	\$0.054	\$6,434	454	0.50	\$3.84	\$1,743	0	\$4.50	\$0	\$8,177
1st half yr	2026	736		813,778	295	\$0.057	\$46,520	1,484.00	0.54	\$4.58	\$6,799	0	\$4.50	\$0	\$53,319
January	1070	0	100%	119,685	112	\$0.053	\$6,289	599	0.56	\$3.93	\$2,356	0	\$4.50	\$0	\$8,645
February	922	0	100%	119.685	130	\$0.053	\$6.316	803	0.87	\$3.76	\$3.018	0	\$4.50	<b>\$</b> 0	\$9.335
March	445	19	100%	119,685	258	\$0.058	\$6,989	850	1.83	\$3.72	\$3,160	0	\$4.50	\$0	\$10,149
April	464	4	100%	119.685	256	\$0.055	\$6.527	410	0.88	\$3.81	\$1.563	0	\$4.50	<b>S</b> 0	<b>\$8.090</b>
Mav	06	97	100%	119 685	640	\$0.054	\$6.513	267	143	\$3.37	\$900	С	\$4 50	80	\$7 414
June	26	218	100%	119,685	491	\$0.050	\$6,004	278	1.14	\$2.85	\$791	0	\$4.50	\$0	\$6,796
2nd half yr	3017	338		718,108	214	\$0.054	\$38,639	3,207	0.96	\$3.68	\$11,789	o	\$4.50	\$0	\$50,428
TOTALMEAR	5043	1074		1,531,886	250	\$0.056	\$85,159	4,691.00	0.77	\$3.96	\$18,588	o	\$4.50	\$0	\$103,747
Building Data:		1992			Energy Con	sumption to B <sup>-</sup>	Energy Consumption to BTU Conversions								
								В							
Gross Area (ft)2		55,209			Electricity =	Electricity = KWH X 3413		5,228,326			Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(#)3	441,672			Natural Gas	Gas = MCF X 102,500	,500	480,828		I	Total	Total BTU Consumption/Yr	otion/Yr	5,709,153,735	
General Notes	62				Enal Oil = G	= Gallons X 138 690		C		I		Gross Area (ft) 2	2	55,209	
	72				10.0			)			D	Divided by 100,000 =	= 00	1.0341	THERMS
					Other Fuel			0							
					TOT	TOTAL BTU's x 1,000	00	5,709,154							
COST / SQ. FT. / YEAR	/YEAR		\$1.88												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.05												

103 | Page

BUILDING: FY YEAR:	Ritter 2012													DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per k/Vh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
	c	907	10001	000 11	ų	020	1104	c		01 014	ç	c		ç	100
Viii viii viii viii viii viii viii viii	<b>7</b> T	0.4	% 000F	200,11			104-4	<b>-</b>		01.210	5 C	5 0		5 6	104
August	-	8L7	%nn1	13,104	ng	RCU.U¢	R0/\$	>	n.u	\$12.1U	24	5	\$4.5U	DA A	1//\$
September	137	80	100%	13,044	60	\$0.060	\$785	22	0.10	\$12.10	\$269	0	\$4.50	\$0	\$1,054
October	385	7	100%	12,410	32	\$0.057	\$711	62	0.16	\$12.10	\$755	0	\$4.50	\$0	\$1,466
November	587	0	100%	11,067	19	\$0.054	\$602	95	0.16	\$12.10	\$1,152	0	\$4.50	\$0	\$1,754
December	916	0	100%	12,525	14	\$0.054	\$673	149	0.16	\$12.10	\$1,797	0	\$4.50	\$0	\$2,471
1st half yr	2026	736		73,237	27	\$0.057	\$4,182	328.55	0.12	\$12.10	\$3,975	0	\$4.50	\$0	\$8,157
January	1070	0	100%	10,719	<u>5</u>	\$0.053	\$563	174	0.16	\$12.10	\$2,100	0	\$4.50	\$0	\$2,663
February	922	0	100%	10,895	12	\$0.053	\$575	150	0.16	\$12.10	\$1,809	0	\$4.50	\$0	\$2,384
March	445	19	100%	13,569	29	\$0.058	\$792	72	0.16	\$12.10	\$873	0	\$4.50	\$0	\$1,666
April	464	4	100%	11,931	25	\$0.055	\$651	75	0.16	\$12.10	\$910	0	\$4.50	\$0	\$1,561
May	90	97	100%	14,837	79	\$0.054	\$807	15	0.08	\$12.10	\$177	0	\$4.50	\$0	\$984
June	26	218	100%	15,268	63	\$0.050	\$766	4	0.02	\$12.10	\$51	0	\$4.50	\$0	\$817
2nd half yr	3017	338		77,219	23	\$0.054	\$4,155	489	0.15	\$12.10	\$5,920	0	\$4.50	\$0	\$10,075
TOTALMEAR	5043	1074		150,456	25	\$0.055	\$8,336	817.80	0.13	\$12.10	\$9,895	o	\$4.50	\$0	\$18,232
Building Data:		1965			Energy Cor	nsumption to B	Consumption to BTU Conversions								
Gross Area (ft)2	7	15,317			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 513,505		ш	Energy Utilization Index =	i Index =			
Gross Volume (ft)3	(ft)3	122,536			Steam = M	= M (lbs) X 1,000,000	00	817,803			Total	Total BTU Consumption/Yr	otion/Yr	1,331,308,409	
												Gross Area (ft) 2	2	15,317	
General Notes:					Fuel Oil = (	= Gallons X 138,690	069	0			Ë	Divided by 100 000 -	- 00	0 8607	тиерис
					Other Fuel			0			Ś			76000	
					TOT	TOTAL BTU's × 1,000	00(	1,331,308							
COST / SQ. FT. / YEAR	r. / Year		\$1.19												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.09												

DATE: 10/22/12	
DATE : 10/22/1	N
DATE: 10/22/	Σ
DATE: 10/2	Ñ
0ATE: 10,	2
DATE: 1	õ
DATE :	-
)ATE :	
ATE	
DATE	100
DAT	ш
A	-
~	1
	2
<u> </u>	L)
Ц	ш

BUILDING: Rocket Hall FY YEAR: 2012

					EI ECTRICITY	CITY			NATI	NATHRAL GAS			ELEL OI		10101
															IOIAL
HUNTH	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	ENERGY COST
July	0	436	100%	96,825	222	\$0.058	\$5,595	106	0.24	\$5.90	\$625	0	\$4.50	\$0	\$6,220
August	-	218	100%	105,500	482	\$0.059	\$6,194	86	0.39	\$6.60	\$568	0	\$4.50	\$0	\$6,762
September	137	80	100%	107,731	496	\$0.060	\$6,487	71	0.33	\$4.84	\$344	0	\$4.50	\$0	\$6,830
October	385	2	100%	114,513	296	\$0.057	\$6,559	81	0.21	\$4.44	\$360	0	\$4.50	\$0	\$6,919
November	587	0	100%	109,995	187	\$0.054	\$5,984	131	0.22	\$4.50	\$589	0	\$4.50	\$0	\$6,574
December	916	0	100%	112,671	123	\$0.054	\$6,057	176	0.19	\$4.55	\$800	0	\$4.50	\$0	\$6,857
1st half yr	2026	736		647,234	234	\$0.057	\$36,877	651.00	0.24	\$5.05	\$3,285	0	\$4.50	\$0	\$40,162
January	1070	0	100%	105,200	98	\$0.053	\$5,528	274	0.26	\$4.58	\$1,255	0	\$4.50	\$0	\$6,783
February	922	0	100%	111,862	121	\$0.053	\$5,904	459	0.50	\$3.93	\$1,804	0	\$4.50	\$0	\$7,708
March	445	19	100%	105,488	227	\$0.058	\$6,160	437	0.94	\$4.43	\$1,935	0	\$4.50	\$0	\$8,095
April	464	4	100%	93.806	200	<b>\$0.055</b>	\$5,116	527	1.13	<b>\$4</b> .22	\$2.226	0	\$4.50	\$0	\$7.342
Mav	90	97	100%	80.980	433	S0 054	\$4 407	184	0.98	S4 90	\$902	C	\$4.50	US	\$5,309
June	26 26	218	100%	75.559	310	\$0.050	\$3.790	161	0.66	\$4.54	\$731	0 0	\$4.50	80	\$4.521
	l				1							i			
2nd half yr	3017	338		572,896	171	\$0.054	\$30,905	2,042	0.61	\$4.34	\$8,853	o	\$4.50	\$0	\$39,757
TOTALMEAR	5043	1074		1,220,130	199	\$0.056	\$67,782	2,693.00	0.44	\$4.51	\$12,138	0	\$4.50	\$0	\$79,920
Building Data:		1961			Energy Con	sumption to B	Consumption to BTU Conversions								
Gross Area (ft)2		109,552			Electricity =	Electricity = KWH X 3413		BIUSX1,000 4,164,302		ш	Energy Utilization Index =	l Index =			
Gross Volume (ft)3		876,416			Natural Gas	Gas = MCF X 102,500	,500	276,033		Ţ	Total	Total BTU Consumption/Yr	tion/Yr	4,440,334,484	
General Notes:					Fuel Oil = G	= Gallons X 138,690	06	o			ć		N	108,002	
					Other Fuel			0			ā	Divided by Lou,oou =		004.0	
					TOT	TOTAL BTU's x 1,000	00	4,440,334							
COST / SQ. FT. / YEAR	'YEAR		\$0.73												
WATER / SQ. FT. / YEAR	./YEAR		\$0.12												

BUILDING: FY YEAR:	Savage Hall 2012	_												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SAAC			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	255,131	585	\$0.058	\$14,742	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$14,742
August	F	218	100%	199,840	913	\$0.059	\$11,733	0	0.01	\$12.10	\$26	0	\$4.50	\$0	\$11,759
September	137	80	100%	183,560	846	\$0.060	\$11,052	289	1.33	\$12.10	\$3,499	0	\$4.50	\$0	\$14,552
October	385	0	100%	179 664	464	S0 057	\$10.291	813	2.10	\$12.10	\$9 834	C	\$4 50	80	\$20.125
November	587	1 C	100%	187 159	310	\$0.054	\$9 911	1 239	0 1 1 1 1	\$12.10	\$14 993		\$4 50	50	\$24 904
December	916	0	100%	207,522	227	\$0.054	\$11,156	1,934	2.11	\$12.10	\$23,396	0	\$4.50	20	\$34,553
1st half yr	2026	736		1,207,876	437	\$0.057	\$68,886	4,276.68	1.55	\$12.10	\$51,748	ο	\$4.50	\$0	\$120,634
January	1070	C	100%	200.635	188	\$0 053	\$10 543	7 759	211	\$12.10	\$27 330	c	05 £2	U\$	\$37 B73
Coherent y		<b>,</b>	10001	100,000	200-	00000		1 046	- <del>-</del> i c		000 CA	o c		) (	
March	276	⊃ ¢	100%	200,40 I	202 775	\$0.05	012,019 010,010	030	11.7	\$12.10 \$12.10	\$23,000	-	00.44 64 50		800,004
Marcri	044	<u>n</u>	%,001	000,022	6/4	0CN.0¢	\$12,000	л С Л	2.0.2	\$12.1U	000,11¢	D	0C.4¢	D¢	\$24,234
April	464	4	100%	198,557	424	\$0.055	\$10,829	679	2.09	\$12.10	\$11,851	0	\$4.50	\$0	\$22,680
May	06	97	100%	168,041	899	\$0.054	\$9,145	190	1.02	\$12.10	\$2,299	0	\$4.50	\$0	\$11,443
June	26	218	100%	185,832	762	\$0.050	\$9,322	55	0.22	\$12.10	\$664	0	\$4.50	\$0	\$9,986
2nd half yr	3017	338		1,206,852	360	\$0.054	\$65,026	6,369	1.90	\$12.10	\$77,060	0	\$4.50	\$0	\$142,086
TOTALMEAR	5043	1074		2,414,728	395	\$0.055	\$133,912	10,645.27	1.74	\$12.10	\$128,808	0	\$4.50	\$0	\$262,720
Building Data:		1975			Energy Con	sumption to B	Consumption to BTU Conversions								
Gross Area (ft)2	2	199,380		-	Electricity =	Electricity = KWH X 3413		B I U'S X 1,000 8,241,467		ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	1,595,040			Steam = M (	Steam = M (lbs) X 1,000,000	00	10,645,269			Total	Total BTU Consumption/Yr		18,886,735,515	
								ŝ		I	Ŭ	Gross Area (ft) 2	01	199,380	
General Notes:	1472				Fuel OII = G	= Gallons X 138,690	060	5			Div	Divided by 100,000 =	0 =	0.9473	THERMS
				1	Other Fuel			0	27						
					TOT.	FOTAL BTU's x 1,000	00	18,886,736							
COST / SQ. FT. / YEAR	/YEAR		\$1.32												

\$1.32 \$0.02 WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

106 | Page

2
5
2
2
• •
ш
E
≤_

BUILDING: Scott Tucker Hall FY YEAR: 2012

	7 07														
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	спү			PURCHA:	PURCHASED STEAM			FUEL OII	L.	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	20,000	46	\$0.058	\$1,156	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$1,156
August	F	218	100%	20,000	91	\$0.059	\$1,174	0	0.00	\$12.10	\$5	0	\$4.50	\$0	\$1,180
September	137	80	100%	6,910	32	\$0.060	\$416	62	0.29	\$12.10	\$750	0	\$4.50	\$0	\$1,166
October	205	c	100%	0 570	75	\$0.067	\$548	171	0.45	¢13 10	\$2 107	c	\$4 ED	¢0	¢7 666
		4 C	2000F	0.10	0 ( 1 T			+			01'70 01'70				
November	180	<b>-</b> -	%001	00000	۹ <i>ر</i>	\$0.054	176¢	507 717	0.45 0.45	\$12.1U	33,212 85.012	<b>.</b>	00.44 07 60	0,40	\$3,732 \$6.007
necember	010	5	%.001	ruuu	77	4c0.0¢	C/N,1¢	414	0.40	\$12.1U	7 I N'C¢	þ	0C.4¢	D¢	\$00'00
1st half yr	2026	736		86,050	31	\$0.057	\$4,890	916.13	0.33	\$12.10	\$11,085	0	\$4.50	\$0	\$15,975
January	1070	0	100%	20,000	19	\$0.053	\$1,051	484	0.45	\$12.10	\$5,854	0	\$4.50	\$0	\$6,905
February	922	0	100%	10,100	11	\$0.053	\$533	417	0.45	\$12.10	\$5.045	0	\$4.50	\$0	\$5,578
March	445	19	100%	13,859	30	\$0.058	\$809	201	0.43	\$12.10	\$2,435	0	\$4.50	\$0	\$3,244
Anril	AGA	7	100%	73 871	۲.1 ۲	\$0 055	\$1 200	210	240	\$12.10	\$7 530	c	\$1 50	U\$	828 23
	5	r I	200		5			2			· · · ·				000,00
May	06	16	100%	19,620	105	\$0.054	\$1,068	41	0.22	\$12.10	\$492	0	\$4.50	80	\$1,560
June	26	218	100%	19,470	80	\$0.050	226\$	12	0.05	\$12.10	\$142	0	\$4.50	\$0	\$1,119
2nd half yr	3017	338		106,870	32	\$0.054	\$5,737	1,364	0.41	\$12.10	\$16,507	o	\$4.50	\$0	\$22,244
TOTALMEAR	5043	1074		192,920	32	\$0.055	\$10,627	2,280.37	0.37	\$12.10	\$27,592	0	\$4.50	\$0	\$38,219
Building Data:		1935			Energy Con	sumption to BT	Energy Consumption to BTU Conversions	000 F 2 2 1 000							
Gross Area (ft)2	7	42,710			Electricity =	Electricity = KWH X 3413		658,436		ш	Energy Utilization Index =	I Index =			
Gross Volume (ft)3	(ft)3	341,680			Steam = M (	= M (lbs) X 1,000,000	0	2,280,366			Total	Total BTU Consumption/Yr	otion/Yr	2,938,802,259	
General Notes	2				Fiiel Oil = G	= Gallons X 138 690	Ue	C				Gross Area (ft) 2	2	42,710	
								L I			Div	Divided by 100,000 =	= 00	0.6881	THERMS
					Other Fuel		-	0							
					TOT	TOTAL BTU's x 1,000	00	2,938,802							
COST / SQ. FT. / YEAR	T. / YEAR		\$0.89												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.11												

JILDING:	Scuptural Studies
VVLAD.	0100
LEAR.	

BUI

FY YEAR:	2012														
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ЮТҮ			NATU	NATURAL GAS			FUEL OIL	ĩ	TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	ktWh 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	ENERGY COST
July	0	436	100%	8,000	18	\$0.058	\$462	2	0.02	\$10.60	\$74	0	\$4.50	\$0	\$536
August	F	218	100%	10,400	47	\$0.059	\$611	2	0.01	\$22.81	\$46	0	\$4.50	\$0	\$656
September	137	80	100%	7,600	35	\$0.060	\$458	10	0.05	\$7.92	\$79	0	\$4.50	\$0	\$537
October	385	0	100%	7,000	18	\$0.057	\$401	0	0.00	#DIV/0i	\$37	0	\$4.50	\$0	\$438
November	587	0	100%	9,300	16	\$0.054	\$506	20	0.03	\$6.32	\$126	0	\$4.50	\$0	\$632
December	916	0	100%	8,700	6	\$0.054	\$468	69	0.08	\$5.08	\$351	0	\$4.50	\$0	\$818
1st half yr	2026	736		51,000	18	\$0.057	\$2,905	108.00	0.04	\$6.60	\$713	0	\$4.50	\$0	\$3,618
January	1070	0	100%	7,600	7	\$0.053	\$399	232	0.22	\$4.63	\$1,075	0	\$4.50	0\$	\$1,474
February	922	0	100%	8,300	6	\$0.053	\$438	344	0.37	\$3.95	\$1,358	0	\$4.50	\$0	\$1,796
March	445	19	100%	8,300	18	\$0.058	\$485	356	0.77	\$4.47	\$1,591	0	\$4.50	\$0	\$2,076
April	464	4	100%	9,300	20	\$0.055	\$507	240	0.51	\$4.40	\$1,057	0	\$4.50	\$0	\$1,564
May	90	97	100%	9,300	50	\$0.054	\$506	118	0.63	\$5.74	\$677	0	\$4.50	\$0	\$1,183
June	26	218	100%	5,300	22	\$0.050	\$266	79	0.32	\$6.28	\$496	0	\$4.50	\$0	\$762
2nd half yr	3017	338		48,100	14	\$0.054	\$2,601	1,369	0.41	\$4.57	\$6,254	o	\$4.50	\$0	\$8,855
TOTALMEAR	5043	1074		99,100	16	\$0.138	\$13,640	1,477.00	0.24	\$4.72	\$6,967	0	\$4.50	\$0	\$20,607
Building Data:		1994			Energy Cor	sumption to B <sup>-</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2	7	7,502			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 338,228		ш	Energy Utilization Index =	i Index =			
Gross Volume (#)3	(ft)3	60,016			Natural Gas	Natural Gas = MCF X 102,500	,500	151,393			Total	Total BTU Consumption/Yr	tion/Yr	489,620,800	
General Notes:					Fuel Oil = 0	Fuel Oil = Gallons X 138,690	06	o		I		Gross Area (ft) 2	7	7,502	1
					Other Fuel			0			Di	Divided by 100,000 =	= 0(	0.6527	THERMS
					TOT	TOTAL BTU's x 1,000	00	489,621							
COST / SQ. FT. / YEAR	T. / YEAR		\$2.75												

108 | Page

\$0.93

BUILDING: FY YEAR:	Snyder Memorial 2012	norial												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	43,869	101	\$0.058	\$2,535	0	00.0	\$12.10	\$0	0	\$4.50	\$0	\$2,535
August	÷	218	100%	45,214	206	\$0.059	\$2,655	÷	0.00	\$12.10	\$6	0	\$4.50	\$0	\$2,661
September	137	80	100%	44,450	205	\$0.060	\$2,676	70	0.32	\$12.10	\$841	0	\$4.50	\$0	\$3,518
October	385	2	100%	45,159	117	\$0.057	\$2,587	195	0.51	\$12.10	\$2,365	0	\$4.50	\$0	\$4,952
November	587	0	100%	41,216	70	\$0.054	\$2,242	298	0.51	\$12.10	\$3,606	0	\$4.50	\$0	\$5,848
December	916	0	100%	42,522	46	\$0.054	\$2,286	465	0.51	\$12.10	\$5,626	0	\$4.50	\$0	\$7,912
1st half yr	2026	736		262,430	95	\$0.057	\$14,981	1,028.46	0.37	\$12.10	\$12,444	0	\$4.50	\$0	\$27,425
January	1070	0	100%	39,370	37	\$0.053	\$2,069	543	0.51	\$12.10	\$6,572	0	\$4.50	\$0	\$8,641
February	922	0	100%	42,619	46	\$0.053	\$2.249	468	0.51	\$12.10	\$5,663	0	\$4.50	\$0	\$7,912
March	445	19	100%	46,327	100	\$0.058	\$2,705	226	0.49	\$12.10	\$2,733	0	\$4.50	\$0	\$5,439
Anril	AEA		100%	44 171	70	\$0 055	\$7 400	726	0 50	\$12 10	\$7 850	c	\$4 50	C\$	<b>¢</b> 5 750
		t C	2000	1 1 000	105	80.054	507'70	46		01.410 61.710	\$552	o c	00.44	0 C	50047
May Line	ов ЭР	218	100%	44,000 44,000	180	\$0.050	\$2,334 \$2,207	0 <del>1</del>	0.05	\$12.10 \$12.10	\$333 \$160		\$4.50	04	\$2,367
2	2	2	200	000	2			2	2	2	<u>}</u>	)		<b>)</b>	
2nd half yr	3017	338		260,487	78	\$0.054	\$14,034	1,532	0.46	\$12.10	\$18,531	0	\$4.50	\$0	\$32,565
TOTALMEAR	5043	1074		522,917	85	\$0.055	\$29,015	2,559.98	0.42	\$12.10	\$30,976	0	\$4.50	\$0	\$59,991
Building Data:		1959			Energy Cor	sumption to B1	Energy Consumption to BTU Conversions								5
Gross Area (ft)2		47,947			Electricity =	Electricity = KWH X 3413		1,784,717		Ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	( <b>f</b> )3	383,576			Steam = M	M (lbs) X 1,000,000	00	2,559,979		1	Total	Total BTU Consumption/Yr	tion/Yr	4,344,696,209	7
General Notes:	315				Fuel Oil = 0	= Gallons X 138.690	06	0			U	Gross Area (ft) 2	7	47,947	
					Other Fuel			0			Div	Divided by 100,000 =	= 00	0.9061	THERMS
					TOT	TOTAL BTU's x 1,000	00	4,344,696							
COST / SQ. FT. / YEAR	./YEAR		\$1.25												

109 | Page

\$0.09

JILDING:	Stranahan Arboretum
VILAD.	0,00

BUILDING: FY YEAR:	Stranahan Arboretum 2012	Arboretum												DATE :	: 10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OII		TOTAL
HTNOM	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	ENERGY COST
The	c	907	10001	201	Ŧ	020	نې ن	Ŧ		650 40	50 6	c	54 60	ç	19
Auditet	<b>-</b> -	4.0 α1c	100%	407 878	- ๙	\$0.050	923 830	- c	000	\$60 88	000	5 C	94.30 84.50	0. 4	40¢
Contombor	107	0 0	2000	000	יכ	0000	000	o c		\$70 00	474 874	o c	00.44	0 C	000
september	13/	ßU	%.nn1	488	V	000.U¢	87¢	Þ	0.00	\$/Q.03	\$24	Þ	00.9¢	D¢	50¢
October	385	2	100%	502	-	\$0.057	\$29	4	0.01	\$5.16	\$23	0	\$4.50	\$0	\$51
November	587	0	100%	505	<del></del>	\$0.054	\$27	23	0.04	\$2.37	\$55	0	\$4.50	\$0	\$82
December	916	0	100%	677	۲	\$0.054	\$36	47	0.05	\$3.39	\$159	0	\$4.50	\$0	\$196
1st half yr	2026	736		3,235	<del></del>	\$0.057	\$184	75.80	0.03	\$4.16	\$315	0	\$4.50	\$0	\$499
January	1070	0	100%	814	-	\$0.053	\$43	40	0.04	\$0.86	\$34	0	\$4.50	\$0	\$77
February	922	0	100%	1,092	Ł	\$0.053	\$58	67	0.07	\$3.46	\$233	0	\$4.50	\$0	\$290
March	445	19	100%	1,451	ი	\$0.058	\$85	78	0.17	\$4.00	\$311	0	\$4.50	\$0	\$396
April	464	4	100%	167	0	<b>\$</b> 0.055	\$9	52	0.11	\$5.80	\$301	0	<b>\$4.50</b>	\$0	\$310
May	90	97	100%	390	0	\$0.054	\$21	51	0.27	\$5.90	\$299	0	\$4.50	\$0	\$320
June	26	218	100%	363	÷	\$0.050	\$18	27	0.11	\$7.51	\$201	0	\$4.50	\$0	\$219
2nd half yr	3017	338		4,277	<del></del>	\$0.055	\$234	314	0.09	\$4.39	\$1,378	0	\$4.50	\$0	\$1,612
TOTALMEAR	5043	1074		7,512	÷	\$1.991	\$14,960	389.60	0.06	\$4.35	\$1,694	0	\$4.50	\$0	\$16,654
Building Data:		1932	est		Energy Cor	1sumption to B	Energy Consumption to BTU Conversions								
,					5	-		ВТ							
Gross Area (ft)2	0'	7,386			Electricity =	Electricity = KWH X 3413		25,638		20.70 	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	ft)3	59,088			Natural Ga:	Natural Gas = MCF X 102,500	2,500	39,934			Total	Total BTU Consumption/Yr	otion/Yr	65,572,456	
								ä				Gross Area (ft) 2	2	7,386	
General Notes:					Fuel Oil = (	Fuel Oil = Gallons X 138,690	690	0			Ϊ	Divided by 100 000 =	= UC	0 0888	THERMS
					Other Fuel			0	<u>.</u>		i	6	2		
					TOT	TOTAL BTU's x 1,000	000	65,572							
COST / SQ. FT. / YEAR	./YEAR		\$2.25												
WATER / SQ. FT. / YEAR	T. / YEAR		\$0.07												

BUILDING: FY YEAR:	Stranahan Hall 2012	al												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SAN			ELECTRIC	RICITY			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
HTNOM	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	ENERGY COST
	2											ä			
July	0	436	100%	140,173	321	\$0.058	\$8,100	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$8,100
August	-	218	100%	135,808	620	\$0.059	\$7,974	-	0.01	\$12.10	\$16	0	\$4.50	\$0	\$7,989
September	137	80	100%	130,174	600	\$0.060	\$7,838	176	0.81	\$12.10	\$2,126	0	\$4.50	\$0	\$9,964
12			Press and the second	and a second second	1200000000	Transfer Street		-AL MARK							T CONTRACTOR OF THE PARTY OF
October	385	2	100%	114,249	295	\$0.057	\$6,544	494	1.28	\$12.10	\$5,975	0	\$4.50	\$0	\$12,519
November	587	0	100%	124,609	212	\$0.054	\$6,780	753	1.28	\$12.10	\$9,109	0	\$4.50	\$0	\$15,889
December	916	0	100%	119,108	130	\$0.054	\$6,403	1,175	1.28	\$12.10	\$14,215	0	\$4.50	\$0	\$20,618
1st half vr	2026	736		764 121	777	\$0.057	859 543	2 598 34	0 04	\$12.10	\$31 440	C	09 P\$	U\$	\$75,078
	2	2		-	i		000	0.0001	5.5	)	) 	)	) ) )	•	
January	1070	0	100%	111,002	104	\$0.053	\$5,833	1,372	1.28	\$12.10	\$16,604	0	\$4.50	\$0	\$22,437
February	922	0	100%	120,503	131	\$0.053	\$6,360	1,182	1.28	\$12.10	\$14,308	0	\$4.50	\$0	\$20,667
March	445	19	100%	141,886	306	\$0.058	\$8,286	571	1.23	\$12.10	\$6,906	0	\$4.50	\$0	\$15,191
April	464	4	100%	126,324	270	\$0.055	\$6,889	595	1.27	\$12.10	\$7,200	0	\$4.50	\$0	\$14,090
May	06	97	100%	92,288	494	\$0.054	\$5,022	115	0.62	\$12.10	\$1,397	0	\$4.50	\$0	\$6,419
June	26	218	100%	125,207	513	\$0.050	\$6,281	33	0.14	\$12.10	\$403	0	\$4.50	\$0	\$6,685
2nd half yr	3017	338		717,211	214	\$0.054	\$38,671	3,869	1.15	\$12.10	\$46,818	o	\$4.50	\$0	\$85,489
TOTALMEAR	5043	1074		1,481,332	242	\$0.056	\$82,309	6,467.62	1.06	\$12.10	\$78,258	0	\$4.50	\$0	\$160,567
Building Data:	1000 AV 6	1984			Energy Con	sumption to BT	Energy Consumption to BTU Conversions								
					; ;			BTU's × 1,000							
Gross Area (11)2		121,135			Electncity =	= KWH X 3413		5,U55,785		11	Energy Utilization Index =	In dex =			
Gross Volume (ft)3		969,080			Steam = M (	M (lbs) X 1,000,000	00	6,467,623		I	Total	Total BTU Consumption/Yr	tion/Yr	11,523,407,593	
				6	č		5	ſ			0	Gross Area (ft) 2	5	121,135	
General Notes:					Puel OII = G	ruei Uli = Galions A 1.38,090	٩ <b>١</b>	5			NIC	Divided by 100 000 =	= U	0 9513	THERMS
					Other Fuel			0					2		)
					TOT		ç	11 100 100							
							0	11,523,408							
COST / SQ. FT. / YEAR	./YEAR		\$1.33												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.09												

111 | Page

	DEGREE DAYS (DD)	AYS (DD)			ELECTR	RICITY			PURCHA	PURCHASED STEAM			FUEL OIL	L	TOTAL
	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	ENERGY COST
	,				2			c	6		ţ	ł		ç	
	0 ·	436	100%	28,666	99	\$0.058	\$1,656	0 1	0.00	\$12.10	80	0 1	\$4.50	80	\$1,656
	-	218	100%	26,672	122	\$0.059	\$1,566	0	0.00	\$12.10	\$2	0	\$4.50	\$0	\$1,568
September	137	80	100%	19,779	91	\$0.060	\$1,191	18	0.08	\$12.10	\$221	0	\$4.50	\$0	\$1,412
	385	2	100%	16,550	43	\$0.057	\$948	51	0.13	\$12.10	\$620	0	\$4.50	\$0	\$1,568
November	587	0	100%	14,926	25	\$0.054	\$812	78	0.13	\$12.10	\$946	0	\$4.50	\$0	\$1,758
December	916	0	100%	16,158	18	\$0.054	\$869	122	0.13	\$12.10	\$1,476	0	\$4.50	\$0	\$2,344
1st half yr	2026	736		122,750	44	\$0.057	\$7,042	269.71	0.10	\$12.10	\$3,264	0	\$4.50	\$0	\$10,306
	1070	0	100%	14,756	14	\$0.053	\$775	142	0.13	\$12.10	\$1,724	0	\$4.50	\$0	\$2,499
February	922	0	100%	15,834	17	\$0.053	\$836	123	0.13	\$12.10	\$1,485	0	\$4.50	\$0	\$2,321
	445	19	100%	18,044	39	\$0.058	\$1,054	59	0.13	\$12.10	\$717	0	\$4.50	\$0	\$1,771
	464	4	100%	17,190	37	\$0.055	\$937	62	0.13	\$12.10	\$747	0	\$4.50	\$0	\$1,685
	06	97	100%	24,743	132	\$0.054	\$1,346	12	0.06	\$12.10	\$145	0	\$4.50	\$0	\$1,491
	26	218	100%	26,224	107	\$0.050	\$1,316	ę	0.01	\$12.10	\$42	0	\$4.50	\$0	\$1,357
2nd half yr	3017	338		116,790	35	\$0.054	\$6,264	402	0.12	\$12.10	\$4,860	0	\$4.50	\$0	\$11,124
TOTALMEAR	5043	1074		239,540	39	\$0.056	\$13,306	671.35	0.11	\$12.10	\$8,123	0	\$4.50	\$0	\$21,430
Building Data:		1991			Energy Col	rsumption to B	Energy Consumption to BTU Conversions	; BTH's V 1 000							
Gross Area (ft)2		12,574			Electricity =	= KWH X 3413		817,549		Ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3		100,592			Steam = M	Steam = M (lbs) X 1,000,000	00	671,349			Total	Total BTU Consumption/Yr	tion/Yr	1,488,898,573	
General Notes:					Fuel Oil = (	Gallons X 138,690	390	0		I		Gross Area (ft) 2	2	12,574	
					Other Fuel			o			Ω	Divided by 100,000 =	= 0(	1.1841	THERMS
					TOT	TOTAL BTU's x 1 000	000	1 488 899							

112 | Page

\$1.70 \$0.61

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

Student Rec Center	2012
BUILDING:	FY YEAR:

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OII		TOTAL
MONTH	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 GalMr TOTAL	ENERGY COST
									1			,		:	
July	Ð	436	100%	392,815	901	\$0.058	\$22,698	1,0,1	2.41	\$5.53	\$5,951	D	\$4.50	80	\$28,649
August	-	218	100%	358,644	1,638	\$0.059	\$21,057	941	4.30	\$6.70	\$6,305	0	\$4.50	\$0	\$27,362
September	137	80	100%	355,045	1,636	\$0.060	\$21,378	876	4.04	\$4.88	\$4,275	0	\$4.50	\$0	\$25,653
Outobor	200	ç	1000/	300 100	776	¢0.057	616 210	1 05 0	<u>11</u>	40 F.	e1 716	c	07 FO	ů,	600 E64
CCIUDEI	200	4	9. DOI	C00, 402	001	100.04	010,010	7cn'i	21.2	10.10	44,740	5	00.40		400°07¢
November	587	0	100%	237,297	404	\$0.054	\$12,911	1,011	1.72	\$4.01	\$4,051	0	\$4.50	\$0	\$16,961
December	916	0	100%	229,954	251	\$0.054	\$12,362	1,246	1.36	\$3.84	\$4,783	0	\$4.50	\$0	\$17,145
1st half yr	2026	736		1,858,639	673	\$0.057	\$106,724	6,203.00	2.25	\$4.77	\$29,609	0	\$4.50	\$0	\$136,334
-	0201	c	10001	100 100	007	00 OTO	000 010			<b>CO C</b>	<b>AF 070</b>	c		ç	000 0F4
January	0/01	Þ	%nn1		187	\$0.U\$	\$10,82U	1,430	1.40	00.00	\$10,0\$	5	0C.4¢	0.0	\$10,04S
February	922	0	100%	210,338	228	\$0.053	\$11,101	1,774	1.92	\$3.76	\$6,668	0	\$4.50	\$0	\$17,769
March	445	19	100%	283,236	610	\$0.058	\$16,540	2,036	4.39	\$3.72	\$7,568	0	\$4.50	\$0	\$24,108
	164	Ţ	1000	חבפ בחפ	610	\$0.05E	\$12 000	V FC F	7 50	¢2 01	C3 677	c	¢ 1 EO	60	¢10 617
		t	200	070,007	5	000.0 <del>0</del>	000,010	+ <u>+</u> -	60.4	0.00	- 10,14	2	00.t+	2	
May	06	97	100%	360,582	1,928	\$0.054	\$19,623	1,115	5.96	\$3.37	\$3,760	0	\$4.50	\$0	\$23,383
June	26	218	100%	374,008	1,533	\$0.050	\$18,762	1,153	4.73	\$2.85	\$3,283	0	\$4.50	\$0	\$22,045
2nd half yr	3017	338		1,690,590	504	\$0.054	\$90,835	8,785	2.62	\$3.62	\$31,779	0	\$4.50	\$0	\$122,614
TOTALMEAR	5043	1074		3,549,229	580	\$0.056	\$197,560	14,988.00	2.45	\$4.10	\$61,388	0	\$4.50	\$0	\$258,948
Building Data:	20223	1990			Energy Con	sumption to B	Energy Consumption to BTU Conversions	000 For the 1							
Gross Area (ft)2	2	157,446			Electricity =	Electricity = KWH X 3413		12,113,520		2000	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	1,259,568			Natural Gas	Natural Gas = MCF X 102,500	,500	1,536,270			Tota	Total BTU Consumption/Yr	ption/Yr	13,649,789,601	
2								c		•		Gross Area (ft) 2	12	157,446	
General Notes:						Fuel Oil = Gallons X 138,690	060	Þ			Di	Divided bv 100.000 =	= 00	0.8670	THERMS
					Other Fuel			0	14						
					TOT	TOTAL BTU's x 1,000	00(	13,649,790							
COST / SQ. FT. / YEAR	T. / YEAR		\$1.64												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.13												

FT TEAK:															
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ютү			PURCHA.	PURCHASED STEAM			NATURAL GAS	GAS	TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	ktWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	167,667	385	\$0.058	\$9,688	0	0.00	\$12.10	\$0	60	\$5.57	\$334	\$10,023
August	F	218	100%	218,776	666	\$0.059	\$12,845	2	0.01	\$12.10	\$28	67	\$6.70	\$449	\$13,322
September	137	80	100%	244,192	1,125	\$0.060	\$14,703	321	1.48	\$12.10	\$3,883	55	\$4.88	\$268	\$18,854
October	385	~	100%	243 611	629	\$0.057	\$13 954	90.2	233	\$12 10	\$10.911	171	\$4 04	\$690	\$25 555
November	587		100%	219 778	374	\$0.054	\$11.957	1 375	234	\$12.10	\$16.636	777	\$4.01	\$1 110	\$29 703
December	916	0	100%	199,379	218	\$0.054	\$10,718	2,145	2.34	\$12.10	\$25,960	267	\$3.84	\$1,025	\$37,703
1st half yr	2026	736		1,293,402	468	\$0.057	\$73,867	4,745.26	1.72	\$12.10	\$57,418	897.00	\$4.32	\$3,876	\$135,161
January.	1070	C	100%	204 609	191	\$0.053	\$10 752	2 506	734	\$12.10	\$30.324	178	\$3.93	\$700	\$41 776
Fehruan	672	• =	100%	229.418	549	\$0.053	\$12,108	2 159	234	\$12.10	\$26.130	2.2	\$3.76	\$271	\$38 508
March	445	19	100%	227,899	491	\$0.058	\$13,308	1,042	2.25	\$12.10	\$12,611	295	\$3.72	\$1,097	\$27,016
April	464	4	100%	223.233	477	\$0.055	\$12.174	1.087	2.32	\$12.10	\$13.150	136	\$3.81	\$518	\$25.843
Mav	U	97	100%	<b>186 DRD</b>	995	\$0 054	\$10.126	211	1 13	\$12 10	\$7 551	201	\$3.37	\$678	\$13 355
June	26	218	100%	149,314	612	\$0.050	\$7,490	61	0.25	\$12.10	\$737	153	\$2.85	\$436	\$8,663
2nd half yr	3017	338		1,220,552	364	\$0.054	\$65,959	7,066	2.11	\$12.10	\$85,503	1,035	\$3.57	\$3,699	\$155,161
TOTALMEAR	5043	1074		2,513,954	411	\$0.056	\$139,826	11,811.61	1.93	\$12.10	\$142,921	1,932	\$3.92	\$7,576	\$290,322
Building Data:		1959			Energy Con	sumption to B	Consumption to BTU Conversions								
Gross Area (ft)2	~	221,225			Electricity =	Electricity = KWH X 3413		8,580,126		Ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	( <b>t</b> )3	1,769,800			Steam = M (	M (Ibs) X 1,000,000	00	11,811,614			Total	Total BTU Consumption/Yr	ption/Yr	20,589,770,379	
Conoral Mator:					Motion Goo	Gas - MCE X 102 500	500	100 030				Gross Area (ft) 2	2	221,225	
General Notes.							nnc,	000,001			Div	Divided by 100,000 =	= 00	0.9307	THERMS
					Other Fuel			0							
					TOT,	TOTAL BTU's x 1,000	00	20,589,770							
COST / SQ. FT. / YEAR	./YEAR		\$1.31												
WATER / SQ. FT. / YEAR	₹T. / YEAR		\$0.51												

BUILDING: Student Union

Control of	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			FUEL OI	_	TOTAL
MONTH Heating	ig 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	ENERGY COST
July 0	436	100%	6,296	14	\$0.058	\$364	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$364
August 1		100%	6,872	31	\$0.059	\$403	0	00.0	\$12.10	\$2	0	\$4.50	\$0	\$405
September 137		100%	7,160	33	\$0.060	\$431	19	0.09	\$12.10	\$235	0	\$4.50	\$0	\$666
October 385		100%	7 455	19	\$0.057	\$427	55	014	\$12 10	\$661	C	\$4 50	US.	\$1 088
er		100%	6.916	12	\$0.054	\$376	83	0.14	\$12.10	\$1,008	0	\$4.50	80	\$1.384
	0	100%	6,313	2	\$0.054	\$339	130	0.14	\$12.10	\$1,573	0	\$4.50	\$0	\$1,912
1st half yr 2026	736		41,012	15	\$0.057	\$2,341	287.45	0.10	\$12.10	\$3,478	O	\$4.50	\$0	\$5,819
January 1070		100%	6.300	9	\$0.053	\$331	152	0.14	\$12.10	\$1.837	0	\$4.50	\$0	\$2.168
		100%	6.918	80	\$0.053	\$365	131	0.14	\$12.10	\$1.583	0	\$4.50	80	\$1.948
March 445	19	100%	7,249	16	\$0.058	\$423	63	0.14	\$12.10	\$764	0	\$4.50	\$0	\$1,187
		10001	011 0	1		0000			01 010	rore	¢	01.9	é	101 10
		%nn1	0,733		ccn.u¢	0000	00	0.14	01.21¢	19/4	5 (	00.44		001.16
		100%	5,646	30	\$0.054	\$307	13	0.07	\$12.10	\$155	0	\$4.50	\$0	\$462
June 26	218	100%	5,809	24	\$0.050	\$291	4	0.02	\$12.10	\$45	0	\$4.50	\$0	\$336
2nd half yr 3017	338		38,675	12	\$0.054	\$2,086	428	0.13	\$12.10	\$5,179	o	\$4.50	\$0	\$7,266
TOTAL/YEAR 5043	1074		79,687	13	\$0.056	\$4,428	715.50	0.12	\$12.10	\$8,658	0	\$4.50	\$0	\$13,085
Building Data:	1994			Energy Col	nsumption to B <sup>-</sup>	Energy Consumption to BTU Conversions	а ВТП'с V 1 000							
Gross Area (ft)2	13,401			Electricity =	Electricity = KWH X 3413		271,972		ū	Energy Utilization Index =	h ln dex =			
Gross Volume (ft)3	107,208			Steam = M	Steam = M (lbs) X 1,000,000	00	715,504		ļ	Total	Total BTU Consumption/Yr	tion/Yr	987,476,716	I
General Notes:				Fuel Oil = 0	= Gallons X 138,690	06.	0			~	Gross Area (ft) 2	N	13,401	
				Other Fuel			0			Div	Divided by 100,000 =	=	0.7369	THERMS
				TOT	TOTAL BTU's x 1,000	00	987,477							

\$0.98	\$0.20
COST / SQ. FT. / YEAR	WATER / SQ. FT. / YEAR

115 | Page

10/22/12	
DATE :	

JILDING:	Transportation Ce	Center
YFAR.	2012	

BUILDING: FY YEAR:	Transportation Center 2012	ion Center												DATE :	10/22/12
the second	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ЮТУ			NATU	NATURAL GAS			FUEL OII		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcfper DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
, inter-	c	907	10001	910.14	90	020	e, 150	u	100	<b>6</b> 6	0	c	64 50	ç	60 467
August	- c	4.00 010	100%	25 500	163	\$0.050	47,430	о с			074	o c	00.40	e e	\$2 DOD
Contambar		0 14	0/ 00 F	100.00	201		000 04 000	<b>,</b>			) u ) 4	<b>)</b> (			020'7A
September	13/	80	%001	27,201	<b>6</b> 71	\$0.U6U	\$1,638	-	0.00	\$4.88	0 <del>0</del>	Þ	\$4.50	\$0	\$1,643
October	385	2	100%	23,120	60	\$0.057	\$1,324	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,324
November	587	0	100%	20,732	35	\$0.054	\$1,128	7	00.0	\$4.01	\$8	0	\$4.50	\$0	\$1,136
December	916	0	100%	22,599	25	\$0.054	\$1,215	68	0.07	\$3.84	\$261	0	\$4.50	\$0	\$1,476
1st half yr	2026	736		171,290	62	\$0.057	\$9,824	76.00	0.03	\$3.97	\$302	o	\$4.50	\$0	\$10,126
January	1070	0	100%	20.807	19	\$0.053	\$1.093	114	0.11	\$3.93	\$448	0	\$4.50	\$0	<b>\$1.542</b>
February	922	0	100%	21,207	23	\$0.053	\$1,119	130	0.14	\$3.76	\$489	0	\$4.50	\$0	\$1,608
March	445	19	100%	22,340	48	\$0.058	\$1,305	203	0.44	\$3.72	\$755	0	\$4.50	\$0	\$2,059
Anril	464	4	100%	17 962	38	\$0.055	3980	108	0.23	\$3.81	\$412	C	\$4 50	SO SO	\$1.391
Mav	06	97	100%	25,261	135	\$0.054	\$1.375	48	0.26	\$3.37	\$162	0	\$4.50	<b>S</b> 0	\$1.537
June	26	218	100%	29,025	119	\$0.050	\$1,456	38	0.16	\$2.85	\$108	0	\$4.50	\$0	\$1,564
2nd half yr	3017	338		136,601	41	\$0.054	\$7,327	641	0.19	\$3.70	\$2,373	0	\$4.50	\$0	\$9,701
TOTALMEAR	5043	1074		307,890	50	\$0.056	\$17,152	717.00	0.12	\$3.73	\$2,675	0	\$4.50	\$0	\$19,827
Building Data:		1959			Energy Cor	sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2	5	19,826			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 1,050,830		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	158,608			Natural Gas	Natural Gas = MCF X 102,500	,500	73,493		I	Total	Total BTU Consumption/Yr	otion/Yr	1,124,322,435	
					č			Ċ		I		Gross Area (ft) 2	2	19,826	
General Notes:	977					Fuel Oil = Gallons X 138,690	290	D			Di	Divided by 100.000 =	= 00	0.5671	THERMS
					Other Fuel			0							
					TOT	TOTAL BTU's x 1,000	000	1,124,322							
COST / SQ. FT. / YEAR	r. / YEAR		\$1.00												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.10												

BUILDING: FY YEAR:	University Hall 2012	Jall												DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	спү			PURCHA	PURCHASED STEAM			NATURAL GAS	AS	TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kt/Vh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	324,837	745	\$0.058	\$18,770	0	0.00	\$12.10	\$0	40	\$5.57	\$223	\$18,993
August	-	218	100%	325,010	1,484	\$0.059	\$19,083	ი	0.01	\$12.10	\$37	25	\$6.70	\$168	\$19,288
September	137	80	100%	300,764	1,386	\$0.060	\$18,109	424	1.96	\$12.10	\$5,136	38	\$4.88	\$185	\$23,431
Octoher	385	6	100%	309 752	RUD	\$0.057	\$17 743	1 103	3 0.8	\$12.10	\$14433	26	\$4 D4	\$105	\$37 781
November	587	4 C	100%	307,840	524	\$0.054	\$16 740	1 810	2.00	\$12.10	\$22 DD6	50		\$156	\$38 010
December	916	00	100%	338,165	369	\$0.054	\$18,179	2,838	3.10	\$12.10	\$34,339	46	\$3.84	\$177	\$52,695
1st half yr	2026	736		1,906,369	069	\$0.057	\$108,633	6,276.95	2.27	\$12.10	\$75,951	214.00	\$4.74	\$1,014	\$185,598
						010.00		1	-			i		1000	
January	10/0	0	100%	302,931	283	\$0.053	\$15,918	3,315	3.10	\$12.10	\$40,112	52	\$3.93	\$205	\$56,235
February	922	0	100%	317,545	344	\$0.053	\$16,759	2,857	3.10	\$12.10	\$34,564	32	\$3.76	\$120	\$51,443
March	445	19	100%	337,974	728	\$0.058	\$19,736	1,379	2.97	\$12.10	\$16,682	56	\$3.72	\$208	\$36,627
-	101	2	10001	111 100	714	110.00		007		01 010	100170	00	10.00	000	
April	464	4	100%	301,/15	645	\$0.05	\$16,454	1,438	3.07	\$12.10	C85, / 1\$	56	\$3.81	299	\$33,948
May	06	97	100%	318,933	1,706	\$0.054	\$17,356	279	1.49	\$12.10	\$3,374	37	\$3.37	\$125	\$20,855
June	26	218	100%	325,035	1,332	\$0.050	\$16,306	81	0.33	\$12.10	\$975	33	\$2.85	\$94	\$17,374
2nd half yr	3017	338		1,904,134	568	\$0.054	\$102,530	9,347	2.79	\$12.10	\$113,102	236	\$3.61	\$851	\$216,482
													10 10 10 N		
TOTALMEAR	5043	1074		3,810,503	623	\$0.055	\$211,163	15,624.22	2.55	\$12.10	\$189,053	450	\$4.14	\$1,864	\$402,080
Building Data:		1931			Energy Con	sumption to B1	Energy Consumption to BTU Conversions								
Gross Area (ft)2	2	292,633			Electricity =	Electricity = KWH X 3413		13,005,246		H	Energy Utilization Index =	lndex =			
Gross Volume (ft)3	( <b>f</b> )3	2,341,064			Steam = M (	Steam = M (lbs) X 1,000,000	00	15,624,220			Total	Total BTU Consumption/Yr	tion/Yr	28,675,590,937	
General Notes					Matural Gae	National Gas - MCE X 102 500	500	A6 175		I		Gross Area (ft) 2	2	292,633	
							000	01-01			Div	Divided by 100,000 =	= 00	0.9799	THERMS
					Other Fuel			0							
					TOT/	TOTAL BTU's x 1,000	00	28,675,591							
COST / SQ. FT. / YEAR	./YEAR		\$1.37												

\$0.09

ILDING:	Westwood Research Annex
VEAD.	0110

BUILDING: FY YEAR:	Westwood I 2012	Westwood Research Annex 2012	nex											DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATUI	NATURAL GAS			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kVVh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	26,677	61	\$0.058	\$1,542	19	0.04	\$5.57	\$106	0	\$4.50	\$0	\$1,647
August	÷	218	100%	25,830	118	\$0.059	\$1,517	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,517
September	137	80	100%	22,433	103	\$0.060	\$1,351	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,351
Octoher	385	c	100%	24 185	62	\$n n57	\$1 385	C	0.00	\$0 DD	U#	C	84 50	\$U	\$1 385
November	587		100%	27,662	47	\$0.054	\$1 505	- <del>-</del>	0.02	\$4.01	848		84 50	Ç.	\$1 553
December	916	0	100%	33,850	37	\$0.054	\$1,820	110	0.12	\$3.84	\$422	0	\$4.50	80	\$2,242
1st half yr	2026	736		160,636	58	\$0.057	\$9,119	141.00	0.05	\$4.09	\$576	0	\$4.50	\$0	\$9,695
												à			
January	10/0	Ð	100%	29,829	28	\$0.053	\$1,56/	195	0.18	\$3.93	2161	Ð	\$4.50	\$0	\$2,335
February	922	0	100%	30,452	33	\$0.053	\$1,607	305	0.33	\$3.76	\$1,146	0	\$4.50	\$0	\$2,754
March	445	19	100%	27,142	58	\$0.058	\$1,585	212	0.46	\$3.72	\$788	0	\$4.50	\$0	\$2,373
Annil	AGA	۲	100%	21 561	A6	\$0 055	\$1 176	358	0.76	\$3 B1	\$1 364	c	64 50	UŞ	\$7 540
n terre	5	1 0	10001	10001	901	00000	001 to	000		10.04	0000	o c			64 202
INIAY	000	10	%001	10,004	001	\$0.054	00,1¢	0	0.40	10.00	\$200	<b>.</b> .		D 6	01,000 01 105
June	07	218	%001	22,334	87	nen.u¢	\$1,123	4	70.0	C8.7¢		5	UC.4¢	DA	C51,1¢
2nd half yr	3017	338		151,281	45	\$0.054	\$8,142	1,163	0.35	\$3.76	\$4,378	0	\$4.50	\$0	\$12,519
TOTALMEAR	5043	1074		311,918	51	\$0.055	\$17,261	1,304.00	0.21	\$3.80	\$4,954	0	\$4.50	\$0	\$22,215
Building Data:		1950			Energy Con	sumption to B1	Energy Consumption to BTU Conversions								
Gross Area (ft)2	6	40,922			Electricity =	Electricity = KWH X 3413		1,064,574		Ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	327,376			Natural Gas	Natural Gas = MCF X 102,500	500	1,336,600			Total I	Total BTU Consumption/Yr	tion/Yr	2,401,174,428	
General Notes						<u> </u>	00	c			U	Gross Area (ft) 2	2	40,922	
							0	D			Divi	Divided by 100,000 =	= 00	0.5868	THERMS
					Other Fuel			0							
					TOT	TOTAL BTU's x 1,000	00	2,401,174							
COST / SQ. FT. / YEAR	./YEAR		\$0.54												

118 | Page

\$0.29

BUILDING: FY YEAR:	Westwood Building 2012	3 uilding												DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) AYS			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	35,540	82	\$0.058	\$2,054	104	0.24	\$6.34	\$660	0	\$4.50	\$0	\$2,713
August	÷	218	100%	34,940	160	\$0.059	\$2,051	15	0.07	\$10.87	\$163	0	\$4.50	\$0	\$2,215
September	137	80	100%	33,740	155	\$0.060	\$2,032	5	0.02	\$17.69	\$88	0	\$4.50	\$0	\$2,120
October	385	2	100%	37.300	96	\$0,057	\$2.137	9	0.02	\$15.19	\$91	0	\$4.50	\$0	\$2.228
November	587	0	100%	28,100	48	\$0.054	\$1.529	58	0.10	\$5.64	\$327	0	\$4.50	\$0	\$1.856
December	916	0	100%	31,060	34	\$0.054	\$1,670	267	0.29	\$4.66	\$1,244	0	\$4.50	\$0	\$2,914
1st half yr	2026	736		200,680	73	\$0.057	\$11,472	455.00	0.16	\$5.66	\$2,574	0	\$4.50	\$0	\$14,045
January	1070	0	100%	37,480	35	\$0.053	\$1,969	654	0.61	\$4.53	\$2,965	0	\$4.50	\$0	\$4,934
February	922	0	100%	45.520	49	\$0.053	\$2.402	1.201	1.30	\$3.92	\$4.705	0	\$4.50	\$0	\$7,107
March	445	19	100%	48,840	105	\$0.058	\$2,852	1,055	2.27	\$4.40	\$4,639	0	\$4.50	\$0	\$7,491
April	464	4	100%	39.080	84	\$0.055	\$2.131	969	2.07	\$4.24	\$4.105	0	\$4.50	\$0	\$6.236
Mav	06	97	100%	41.320	221	\$0.054	\$2.249	291	1.56	\$5.61	\$1.631	0	\$4.50	\$0	\$3.880
June	26	218	100%	46,100	189	\$0.050	\$2,313	220	0.90	\$5.73	\$1,261	0	\$4.50	\$0	\$3,574
2nd half yr	3017	338		258,340	77	\$0.054	\$13,916	4,390	1.31	\$4.40	\$19,307	0	\$4.50	\$0	\$33,223
TOTALMEAR	5043	1074		459,020	75	\$0.087	\$39,891	4,845.00	0.79	\$4.52	\$21,880	0	\$4.50	\$0	\$61,771
Building Data:		1946			Energy Cor	rsumption to B1	Consumption to BTU Conversions								1
Gross Area (ft)2		271,332			Electricity =	Electricity = KWH X 3413		1,566,635			Energy Utilization Index =	ln dex =			
Gross Volume (ft)3		2,170,656			Natural Gas	Gas = MCF X 102,500	500	496,613			Total	Total BTU Consumption/Yr	tion/Yr	2,063,247,760	
General Notes					Fiiel Oil = (	= Gallons X 138 690	UB	C			0	Gross Area (ft) 2	2	271,332	
								0			Div	Divided by 100,000 =	= 0	0.0760	THERMS
					TOT	FOTAL BTU's x 1,000	00	2,063,248							
COST / SQ. FT. / YEAR	/YEAR		\$0.23												

119 | Page

\$0.03

122/12
9
ATE :

BUILDING: Wolfe Hall FY YEAR: 2012

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	SITY			PURCHAS	PURCHASED STEAM			NATURAL GAS	AS	TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	1000 cubic feet (Mcf)	Cost per McF	TOTAL	ENERGY COST
July	0	436	100%	518,257	1,189	\$0.058	\$29,947	0	0.00	\$12.10	\$0	-	\$43.05	\$26	\$29,973
August	÷	218	100%	632,214	2,887	\$0.059	\$37,120	2	0.01	\$12.10	\$24	÷	\$26.79	\$29	\$37,174
September	137	80	100%	426,970	1,968	\$0.060	\$25,708	273	1.26	\$12.10	\$3,308	Ŧ	\$25.15	\$30	\$29,047
October	385	c	100%	A10 712	1 061	\$0.057	\$73 576	768	1 00	\$12.10	20707	Ŧ	\$30 04	\$27	637 B15
November	200	4 ⊂	100%	407 808	686	\$0.054	\$21 02U	1 1 7 1	000	\$12.10 \$12.10	\$14 175		410 75	476 876	\$36 177
December	916	0	100%	437,798	478	\$0.054	\$23,536	1,828	2.00	\$12.10	\$22,120		\$18.96	\$27	\$45,682
1st half yr	2026	736		2,828,849	1,024	\$0.057	\$161,757	4,043.33	1.46	\$12.10	\$48,924	6.40	\$24.99	\$160	\$210,841
January	1070	0	100%	373,572	349	\$0.053	\$19,630	2,135	2.00	\$12.10	\$25,839	÷	\$36.12	\$22	\$45,491
February	922	0	100%	421,298	457	\$0.053	\$22,234	1,840	2.00	\$12.10	\$22,265	F	\$20.45	\$27	\$44,526
March	445	19	100%	377,054	813	\$0.058	\$22,019	888	1.91	\$12.10	\$10,746	-	\$21.59	\$26	\$32,790
April	464	4	100%	348,800	745	\$0.055	\$19,022	926	1.98	\$12.10	\$11,205	Ŧ	\$23.55	\$26	\$30,253
May	90	97	100%	369,690	1,977	\$0.054	\$20,118	180	0.96	\$12.10	\$2,173	÷	\$24.80	\$27	\$22,319
June	26	218	100%	341,600	1,400	\$0.050	\$17,137	52	0.21	\$12.10	\$628	2	\$16.67	\$30	\$17,794
2nd half yr	3017	338		2,232,014	665	\$0.054	\$120,160	6,021	1.79	\$12.10	\$72,855	7	\$22.16	\$157	\$193,173
TOTALMEAR	5043	1074		5,060,864	827	\$0.056	\$281,917	10,064.42	1.65	\$12.10	\$121,779	14	\$23.50	\$317	\$404,014
Building Data:		1997			Energy Con:	sumption to BT	Energy Consumption to BTU Conversions	ļ							
Gross Area (ft)2	5	188,501			Electricity =	Electricity = KWH X 3413		BIU's × 1,000 17,272,728		Ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	1,508,008			Steam = M (I	= M (lbs) X 1,000,000	00	10,064,419			Total	Total BTU Consumption/Yr		27,338,530,716	
General Notes:					Natural Gas	Gas = MCF X 102,500	500	1,384			Ŭ	Gross Area (ft) 2	2	188,501	
					Other Fuel			0			Div	Divided by 100,000 =	= 0	1.4503	THERMS
					TOT/	TOTAL BTU's x 1,000	00	27,338,531							
COST / SQ. FT. / YEAR	'./YEAR		\$2.14												

\$0.23

01
-
$\overline{a}$
N
2
••
ш
⊢.
<
$\Box$

BUILDING: Center for Creative Education FY YEAR: 2012

	DEGREEI	DEGREE DAYS (DD)			ELECTRICITY	СПҮ			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kV/h	TOTAL	W (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	48,375	111	\$0.055	\$2,675	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$2,675
August	-	218	100%	47,129	215	\$0.057	\$2,668	t	0.00	\$12.10	\$10	0	\$4.50	\$0	\$2,678
September	137	80	100%	42,096	194	\$0.061	\$2,553	112	0.52	\$12.10	\$1,353	0	\$4.50	\$0	\$3,906
October	285	c	100%	11 500	115	\$0.056	\$2 507	311	0.81	\$12.10	\$3 BD1	c	8.4 50	U\$	46 308
Normber	202	4 C	1000	16.660	2 0	\$0.050 \$0.056	\$7 604	170	- 00	01-714 61-710	43,00 -	o c		0 C	\$0.200
December	916	00	100%	40,000	52	\$0.053	\$2,547	747	0.82	\$12.10	\$9,043	0 0	\$4.50 \$4.50	0\$	\$11,590
1st half yr	2026	736		276,478	100	\$0.056	\$15,554	1,653.04	09.0	\$12.10	\$20,002	0	\$4.50	\$0	\$35,556
January	1070	0	100%	49,170	46	\$0.055	\$2,709	873	0.82	\$12.10	\$10,564	0	\$4.50	\$0	\$13,273
February	922	0	100%	47,210	51	\$0.055	\$2,598	752	0.82	\$12.10	\$9,102	0	\$4.50	\$0	\$11,700
March	445	19	100%	60,252	130	\$0.057	\$3,440	363	0.78	\$12.10	\$4,393	0	\$4.50	\$0	\$7,833
April	464	4	100%	48,440	104	\$0.057	\$2,741	379	0.81	\$12.10	\$4,581	0	\$4.50	\$0	\$7,322
May	06	97	100%	42,861	229	\$0.054	\$2,305	73	0.39	\$12.10	\$889	0	\$4.50	\$0	\$3,194
June	26	218	100%	45,249	185	\$0.055	\$2,492	21	0.09	\$12.10	\$257	0	\$4.50	\$0	\$2,749
2nd half yr	3017	338		293,182	87	\$0.055	\$16,286	2,462	0.73	\$12.10	\$29,785	o	\$4.50	\$0	\$46,072
TOTALMEAR	5043	1074		569,660	93	\$0.056	\$31,840	4,114.65	0.67	\$12.10	\$49,787	0	\$4.50	\$0	\$81,628
Building Data:		2003			Energy Con	sumption to B <sup>T</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2	2	48,810			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 1,944,250		Ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	390,480			Steam = M (	Steam = M (lbs) X 1,000,000	00	4,114,651		I	Total	Total BTU Consumption/Yr	tion/Yr	6,058,900,564	
General Notes:	10				Fuel Oil = G	Oil = Gallons X 138.690	06	0				Gross Area (ft) 2	0	48,810	
					Other Fuel			o			Di	Divided by 100,000 =	= 0	1.2413	THERMS
					TOT	TOTAL BTU's x 1,000	00	6,058,901							
COST / SQ. FT. / YEAR	r. / YEAR		\$1.67												

121 | Page

\$0.05

BUILDING: 6 FY YEAR: 2	Collier Alliec 2012	Collier Allied Health Building 2012	ding											DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	СПУ			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per k//h	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
															21
July	0	436	100%	78,564	180	\$0.055	\$4,344	0	00.0	\$12.10	\$0	0	\$4.50	\$0	\$4,344
August	F	218	100%	75,663	345	\$0.057	\$4,283	2	0.01	\$12.10	\$23	0	\$4.50	\$0	\$4,306
September	137	80	100%	83,462	385	\$0.061	\$5,062	255	1.18	\$12.10	\$3,086	0	\$4.50	\$0	\$8,148
October	205	c	100%	88 007	720	\$0.056	\$5 002	717	1 85	C1 2 10	¢0 677	c	\$4 50	U\$	¢12 676
	200	N 0	% 001	100,001	220		\$00,00	111	0.0.1	01.210	210'0¢	5 0	00.44	⊃ ¢	
December	916	00	100%	87,257	95	\$0.053	\$4,667	1,705	1.86 1.86	\$12.10	\$20,633	00	\$4.50	\$0 \$	\$16,223 \$25,300
1 of bolf or	9000	776		503 554	01	CO DEC	470 364	2 774 E1	101	01 010	615 67E	c	0.1 EO	Ğ	\$73 006
IST HALL YE	0202	001		+cc,coc	701	000.00	- nc' o>¢	10.177,0	10.1	01.21¢	\$40°00	Ð	00.44	0 <del>9</del>	41 J. 3990
January	1070	0	100%	89,926	84	\$0.055	\$4,955	1,992	1.86	\$12.10	\$24,102	0	\$4.50	\$0	\$29,056
February	922	0	100%	87,098	94	\$0.055	\$4,793	1,716	1.86	\$12.10	\$20,768	0	\$4.50	\$0	\$25,561
March	445	19	100%	86,483	186	\$0.057	\$4,937	828	1.79	\$12.10	\$10,024	0	\$4.50	\$0	\$14,961
	101		10001						10.			¢			
April	464	4	%nnL	87,791	188	/90.0\$	\$4,969	864	C8.1	\$12.10	\$10,452	5 1	\$4.5U	0,4	\$15,42U
May	06	67	100%	79,580	426	\$0.054	\$4,281	168	0.90	\$12.10	\$2,027	0	\$4.50	\$0	\$6,308
June	26	218	100%	79,947	328	\$0.055	\$4,403	48	0.20	\$12.10	\$586	0	\$4.50	\$0	\$4,989
2nd half yr	3017	338		510,825	152	\$0.055	\$28,337	5,616	1.67	\$12.10	\$67,957	0	\$4.50	\$0	\$96,295
TOTALMEAR	5043	1074		1,014,379	166	\$0.056	\$56,698	9,387.83	1.53	\$12.10	\$113,593	o	\$4.50	\$0	\$170,291
		1006													
ринину рака.		1990			Ellergy Coll	Isuripulou to DI		RTI1's x 1 000							
Gross Area (ft)2		111,363			Electricity =	Electricity = KWH X 3413		3,462,076		<b>H</b> 2	Energy Utilization Index =	h dex =			
Gross Volume (ft)3	ft)3	890,904			Steam = M	Steam = M (lbs) X 1,000,000	0	9,387,828			Total E	Total BTU Consumption/Yr		12,849,903,381	
General Notes:					Fuel Oil = 0	= Gallons X 138,690	0	0			0	Gross Area (ft) 2	2	111,363	
					Other Fuel			c			Divi	Divided by 100,000 =	0 =	1.1539	THERMS
					LO LO	OTAL BTU's × 1,000	0	12,849,903							
COST / SQ. FT. / YEAR	./YEAR		\$1.53												

122 | Page

\$0.07

Dana Center	2012
BUILDING:	FY YEAR:

	7117														
V anna an	DEGREE DAYS (DD)	(DD) SAAC			ELECTRICITY	CITY			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per k/Vh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	44,960	103	\$0.055	\$2,486	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$2,486
August	-	218	100%	41,440	189	\$0.057	\$2,346	÷	0.00	\$12.10	\$9	0	\$4.50	\$0	\$2,355
September	137	80	100%	37,920	175	\$0.061	\$2,300	101	0.46	\$12.10	\$1,219	0	\$4.50	\$0	\$3,519
Octoher	385	c	100%	28.480	74	\$0.056	\$1 601	283	0 73	\$12.10	PCP 23	c	84 50	U\$	\$5 076
November	587	4 C	100%	28,000	1 0	\$0.056	\$1 562	424	0 10	\$10 10	\$5 224	) c	84 50		\$6 704
December	916	00	100%	29,920	33	\$0.053	\$1,600	673	0.74	\$12.10	\$8,147	0 0	\$4.50	80	\$9,748
1st half yr	2026	736		210,720	76	\$0.056	\$11,896	1,489.29	0.54	\$12.10	\$18,020	0	\$4.50	\$0	\$29,916
January	1070	0	100%	21,760	20	\$0.055	\$1,199	787	0.74	\$12.10	\$9,517	0	\$4.50	\$0	\$10,716
February	922	0	100%	13,760	15	\$0.055	\$757	678	0.74	\$12.10	\$8,201	0	\$4.50	\$0	\$8,958
March	445	19	100%	18,720	40	\$0.057	\$1,069	327	0.70	\$12.10	\$3,958	0	\$4.50	\$0	\$5,027
Anril	ARA	-	100%	6 727	12	\$0.057	\$353	341	0.73	\$12.10	201 127	c	6.4 50	U\$	\$4 ABD
	5	r [	20001	101.0	2 0		0000	5		01.110		5 0			
May	0n	79	%NU1	0,125	ςς	\$0.U\$	\$329	00	0.35	\$12.1U	108¢	5	\$4.5U	90	\$1,130
June	26	218	100%	10,193	42	\$0.055	\$561	19	0.08	\$12.10	\$231	0	\$4.50	\$0	\$793
2nd half yr	3017	338		76,795	23	\$0.055	\$4,269	2,218	0.66	\$12.10	\$26,835	o	\$4.50	\$0	\$31,104
TOTALMEAR	5043	1074		287,515	47	\$0.056	\$16,165	3,707.06	0.61	\$12.10	\$44,855	ο	\$4.50	\$0	\$61,020
Building Data:		1981			Energy Con	sumption to BT	Energy Consumption to BTU Conversions								
Gross Area (ft)2		43,975			Electricity =	Electricity = KWH X 3413		981,289		Ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	351,800			Steam = M (	Steam = M (lbs) X 1,000,000	0	3,707,064			Total	Total BTU Consumption/Yr	tion/Yr	4,688,352,351	
					( ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;		ş	ſ		I		Gross Area (ft) 2	2	43,975	
General Notes:						Fuel Oil = Gallons X 138,690	nn	Þ			Div	Divided by 100.000 =	10 =	1.0661	THERMS
					Other Fuel			0							
					TOT,	TOTAL BTU's x 1,000	00	4,688,352							
COST / SQ. FT. / YEAR	L./YEAR		\$1.39												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.07												

BUILDING: FY YEAR:	Dowling Hal 2012	Dowling Hall and Morse Center 2012	. Center											DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	CITY			PURCH/	PURCHASED STEAM			FUEL OII		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per k/Vh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	636,000	1,459	\$0.055	\$35,164	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$35,164
August	÷	218	100%	579,000	2,644	\$0.057	\$32,777	4	0.02	\$12.10	\$50	0	\$4.50	\$0	\$32,827
September	137	80	100%	524,000	2,415	\$0.061	\$31,782	567	2.61	\$12.10	\$6,862	0	\$4.50	\$0	\$38,643
October	385	2	100%	442,000	1,142	\$0.056	\$24,849	1,594	4.12	\$12.10	\$19,282	0	\$4.50	\$0	\$44,132
November	587	0	100%	420,000	716	\$0.056	\$23,439	2,430	4.14	\$12.10	\$29,399	0	\$4.50	\$0	\$52,838
December	916	0	100%	376,000	410	\$0.053	\$20,113	3,791	4.14	\$12.10	\$45,877	0	\$4.50	\$0	\$65,990
1st half yr	2026	736		2,977,000	1,078	\$0.056	\$168,123	8,385.97	3.04	\$12.10	\$101,470	0	\$4.50	\$0	\$269,594
January	1070	0	100%	412,000	385	\$0.055	\$22,701	4,429	4.14	\$12.10	\$53,590	0	\$4.50	\$0	\$76,291
February	922	0	100%	389,000	422	\$0.055	\$21,406	3,816	4.14	\$12.10	\$46,177	0	\$4.50	\$0	\$67,583
March	445	19	100%	424,000	914	\$0.057	\$24,206	1,842	3.97	\$12.10	\$22,287	0	\$4.50	\$0	\$46,493
April	464	4	100%	547,631	1,170	\$0.057	\$30,993	1,921	4.10	\$12.10	\$23,239	0	\$4.50	\$0	\$54,232
May	60	97	100%	508,450	2,719	\$0.054	\$27,349	373	1.99	\$12.10	\$4,508	0	\$4.50	\$0	\$31,857
June	26	218	100%	582,844	2,389	\$0.055	\$32,102	108	0.44	\$12.10	\$1,302	0	\$4.50	\$0	\$33,404
2nd half yr	3017	338		2,863,925	854	\$0.055	\$158,757	12,488	3.72	\$12.10	\$151,104	0	\$4.50	\$0	\$309,861
TOTALMEAR	5043	1074		5,840,925	955	\$0.056	\$326,881	20,873.87	3.41	\$12.10	\$252,574	0	\$4.50	\$0	\$579,454
Building Data:		1977			Energy Con	sumption to B <sup>-</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2	<u> </u>	247,616			Electricity =	Electricity = KWH X 3413		19,935,077		ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	ft)3	1,980,928		1992	Steam = M (	= M (lbs) X 1,000,000	00	20,873,866		I	Total	Total BTU Consumption/Yr	tion∕Yr	40,808,943,407	
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	o			U	Gross Area (ft) 2	0	247,616	
					Other Fuel			0			DIV	Divided by 100,000 =	=0	1.6481	THERMS
					TOT	TOTAL BTU's × 1,000	00	40,808,943							

124 | Page

\$2.34 \$0.25

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

BUILDING: FY YEAR:	Facilities Support 2012	upport												DATE :	10/22/12
	DEGREE DAYS (DD)	DAYS (DD)			ELECTRICITY	СПУ			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per k/Vh	TOTAL	M (LBS)	M (Lbs) per DD	Cost per M(Lbs)	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
															0
July	0	436	100%	32,880	75	\$0.055	\$1,818	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$1,818
August	-	218	100%	28,080	128	\$0.057	\$1,590	0	00.0	\$12.10	\$5	0	\$4.50	\$0	\$1,595
September	137	80	100%	19,440	06	\$0.061	\$1,179	62	0.28	\$12.10	\$746	0	\$4.50	\$0	\$1,925
Octoher	385	c	100%	14 280	37	\$0.056	\$803	173	0.45	\$12.10	\$2 097	C	84 50	U\$	\$2 900
November	587	1 C	100%	12 240	5 5	\$0.056	\$683	264	540	\$12.10	\$3 108	) C	\$4 50	¢ ₽	\$3 881
December	916	00	100%	12,960	- <del>-</del> - 4	\$0.053	\$693	412	0.45	\$12.10	\$4,990	0 0	\$4.50	\$0	\$5,683
1st half yr	2026	736		119,880	43	\$0.056	\$6,766	912.10	0.33	\$12.10	\$11,036	0	\$4.50	\$0	\$17,802
					00000										
January	1070	0	100%	13,440	13	\$0.055	\$741	482	0.45	\$12.10	\$5,829	0	\$4.50	\$0	\$6,569
February	922	0	100%	12,960	14	\$0.055	\$713	415	0.45	\$12.10	\$5,023	0	\$4.50	\$0	\$5,736
March	445	19	100%	13,920	30	\$0.057	\$795	200	0.43	\$12.10	\$2,424	0	\$4.50	\$0	\$3,219
-		•	10001	010.11	00	110.00		000	L.	01 010	001.04	¢		će	000 00
April	404	4	%nn1	14,059	3U		QR/¢	RN7	0.45	\$12.1U	87C'7¢	5	DC.4¢		\$3,323
May	06	97	100%	18,736	100	\$0.054	\$1,008	41	0.22	\$12.10	\$490	0	\$4.50	\$0	\$1,498
June	26	218	100%	23,198	95	\$0.055	\$1,278	12	0.05	\$12.10	\$142	0	\$4.50	\$0	\$1,419
2nd half vr	3017	338		96.313	29	\$0.055	\$5,330	1.358	0.40	\$12.10	\$16,435	0	\$4.50	\$0	\$21.764
•															
TOTALMEAR	5043	1074		216,193	35	\$0.056	\$12,095	2,270.35	0.37	\$12.10	\$27,471	0	\$4.50	\$0	\$39,567
Building Data:		1983			Energy Con	Consumption to BTU Conversions	U Conversions								
Gross Area (ft)2		26,932			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 737,867		Ш	Energy Utilization Index =	In dex =			
Cran Volume (4)2	C(#)	715 456			Ctoom - M		ç	036 026 0			Tatel		tion Mc	2000 216 611	
Gross volume	c(11)	004,012			oteam = M	= IM (IDS) & I, UUU, UUU	2	ncc'n/7'7		1		Gross Area (#) 7		3,008,210,044	
General Notes:	200				Fuel Oil = G	= Gallons X 138,690	90	0			,	ט טאס אוכמ (וו)	N	200,02	
					Other Fuel			0			Div	Divided by 100,000 =	= 00	1.1170	THERMS
					TOT	TOTAL BTU's x 1,000	00	3,008,217							
COST / SQ. FT. / YEAR	- / YEAR		\$1.47												

125 | Page

\$0.04

N
5
2
2
2
1993
ш
E
₹

BUILDING: Glendale Medical Center FY YEAR: 2012

FY TEAK:	1.24														
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПҮ			NATU	NATURAL GAS			FUEL OIL	5	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	40,000	92	\$0.055	\$2,212	45	0.10	\$6.09	\$274	0	\$4.50	\$0	\$2,486
August	÷	218	100%	40,000	183	\$0.057	\$2,264	32	0.15	\$7.09	\$227	0	\$4.50	\$0	\$2,491
September	137	80	100%	40,000	184	\$0.061	\$2,426	20	0.09	\$6.31	\$126	0	\$4.50	\$0	\$2,552
October	385	2	100%	40,000	103	\$0.056	\$2,249	19	0.05	\$6.02	\$114	0	\$4.50	\$0	\$2,363
November	587	0	100%	40,000	68	\$0.056	\$2,232	20	0.03	\$6.33	\$127	0	\$4.50	\$0	\$2,359
December	916	0	100%	40,000	44	\$0.053	\$2,140	20	0.02	\$6.44	\$129	0	\$4.50	<b>\$</b> 0	\$2,268
1st half yr	2026	736		240,000	87	\$0.056	\$13,523	156.00	0.06	\$6.39	266\$	0	\$4.50	\$0	\$14,520
January	1070	0	100%	40,000	37	\$0.055	\$2,204	55	0.05	\$5.96	\$328	0	\$4.50	\$0	\$2,532
February	922	0	100%	40,000	43	\$0.055	\$2,201	100	0.11	\$5.97	\$597	0	\$4.50	\$0	\$2,798
March	445	19	100%	40,000	86	\$0.057	\$2,284	97	0.21	\$5.41	\$525	0	\$4.50	\$0	\$2,808
April	464	4	100%	40.000	85	\$0.057	\$2.264	94	0.20	\$5.26	\$495	0	\$4.50	SO	\$2.759
May	06	97	100%	40,000	214	\$0.054	\$2,152	50	0.27	\$5.62	\$281	0	\$4.50	\$0	\$2,433
June	26	218	100%	40,000	164	\$0.055	\$2,203	39	0.16	\$6.27	\$245	0	\$4.50	\$0	\$2,448
2nd half yr	3017	338		240,000	72	\$0.055	\$13,307	435	0.13	\$5.68	\$2,470	0	\$4.50	\$0	\$15,777
TOTALMEAR	5043	1074		480,000	78	\$0.056	\$26,830	591.00	0.10	\$5.87	\$3,467	0	\$4.50	\$0	\$30,297
Building Data:		1989			Energy Con	Energy Consumption to BTU Conversions	U Conversions								
Gross Area (ft)2	ç	40,516			Electricity =	Electricity = KWH X 3413		1,638,240		ш	Energy Utilization Index =	ו hdex =			
Gross Volume (ft)3	(ft)3	324,127			Natural Gas	Natural Gas = MCF X 102,500	500	60,578			Total	Total BTU Consumption/Yr	tion/Yr	1,698,817,500	
General Notes:	112				Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	0			-	Gross Area (ft) 2	2	40,516	
					Other Fuel			0			Ϋ́ם	Divided by 100,000 =	=0	0.4193	THERMS
					TOT	TOTAL BTU's × 1,000	00	1,698,818							
COST / SQ. FT. / YEAR	T./YEAR		\$0.75												

COST / SQ. FT. / YEAR WATER / SQ. FT. / YEAR

\$0.07

126 | Page

IILDING:	Health	Health Education Building	Building	
YEAR:	2012			

BUILDING: FY YEAR:	Health Educ 2012	Health Education Building 2012	Б Ц											DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	СПҮ			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	736,800	1,690	\$0.055	\$40,737	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$40,737
August	÷	218	100%	802,200	3,663	\$0.057	\$45,412	4	0.02	\$12.10	\$52	0	\$4.50	\$0	\$45,464
September	137	80	100%	844,600	3,892	\$0.061	\$51,227	584	2.69	\$12.10	\$7,063	0	\$4.50	\$0	\$58,290
October	385	c	100%	001 200	754 0	\$0.056	\$53 016	1 640	V DA	\$12.10	\$10 B4B	C	\$4 50	U\$	\$77 B63
November	787	4 C	100%	1 004 600	1 711	\$0.056	\$56 D63	- 101 0	t 4 C T	\$12.10 \$12.10	\$20.061	o c	\$4 50		406 204
December	916	00	100%	975,000	1,064	\$0.053	\$52,154	3,903	4.26	\$12.10	\$47,222	00	\$4.50	80	\$99,376
1st half yr	2026	736		5,306,200	1,921	\$0.056	\$298,609	8,631.81	3.13	\$12.10	\$104,445	0	\$4.50	\$0	\$403,054
January	1070	0		1,014,650	948	\$0.055	\$55,907	4,559	4.26	\$12.10	\$55,161	0	\$4.50	\$0	\$111,068
February	922	0		1,039,735	1,128	\$0.055	\$57,214	3,928	4.26	\$12.10	\$47,531	0	\$4.50	\$0	\$104,745
March	445	19	100%	002'666	2,155	\$0.057	\$57,073	1,896	4.09	\$12.10	\$22,941	0	\$4.50	\$0	\$80,013
	151		10001	010 200	1 744	¢0.057	¢16 707	1 077	~~ *	01 010	010 010	c	¢ 1 EO	C S	¢70.472
	5	t [	2000F	000,010	++		202,044	1.16,1	14.4 140	01.210	070,020	<b>,</b>			
May	06 1	19	%nn1	UCC, UOB	4,602	\$0.U\$	\$40,289	383	c:0.2	01.21¢	\$4,64U	<b>)</b> (	00.4¢	2	876'NG¢
June	26	218	100%	802,756	3,290	\$0.05	\$44,214		0.45	\$12.10	\$1,340	Ð	\$4.50	\$0	\$45,554
2nd half yr	3017	338		5,533,760	1,649	\$0.055	\$306,899	12,854	3.83	\$12.10	\$155,533	0	\$4.50	\$0	\$462,432
TOTALMEAR	5043	1074		10,839,960	1,772	\$0.056	\$605,508	21,485.80	3.51	\$12.10	\$259,978	0	\$4.50	\$0	\$865,486
Building Data:		1973		2946	Energy Con	sumption to BT	Energy Consumption to BTU Conversions								
Gross Area (ft)2	0	254.875			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 36.996.783		ш	Enerav Utilization Index =	In dex =			
											3				
Gross Volume (ft)3	(ft)3	2,039,000			Steam = M (	= M (lbs) X 1,000,000	00	21,485,795			Total	Total BTU Consumption/Yr		58,482,578,801	
General Notes:	-				Fuel Oil = G	Fuel Oil = Gallons X 138,690	0£	0			0	Gross Area (ft) 2	7	254,875	
					Other Fuel			0			Div	Divided by 100,000 =	= 0	2.2946	THERMS
					TOT	TOTAL BTU's × 1,000	0	58,482,579							
COST / SQ. FT. / YEAR	./YEAR		\$3.40												

127 | Page

\$0.00

g Cooling 2 236 736 736 736	% P.F. KWh 100% 20,400 100% 19,900 100% 15,400 100% 14,400 100% 14,400 100% 14,900 100% 14,700 100% 17,600	KWh per Co DD + 47 85 85 85 85 85 85 85 85 85 85 85 85 85	Cost per kVVh \$0.118 \$0.118 \$0.118	TOTAL						FUEL OII		TOTAL
0 436 1 218 aer 137 80 385 2 er 385 2 er 916 0 yr 2026 736		85 85 16 37 37	\$0.118 \$0.118 \$0.118		1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
0 436 1 218 ber 137 80 385 2 er 587 0 er 916 0 yr 2026 736		47 91 85 37 37 37	\$0.118 \$0.118 \$0.118									
1 218 ber 137 80 385 2 er 587 0 er 916 0 yr 2026 736		91 3 1250 37 3	\$0.118 \$0.118	\$2,403	260	0.60	\$5.45	\$1,418	0	\$4.50	\$0	\$3,821
ber 137 80 er 385 2 er 916 0 yr 2026 736		3 16 3 16 37	\$0.118	\$2,344	550	2.51	\$5.88	\$3,235	0	\$4.50	\$0	\$5,579
385 2 587 0 916 0 2026 736		40 25 16 37		\$2,167	524	2.41	\$4.02	\$2,107	0	\$4.50	\$0	\$4,274
587 0 916 0 2026 736		25 16 37	S0.118	<b>S1.814</b>	536	1.39	\$3.70	\$1,982	0	\$4.50	\$0	\$3.796
916 0 2026 736		16 37	\$0.118	\$1.696	242	0.41	\$4.22	\$1.021	0	\$4.50	\$0	\$2.718
2026 736		37	\$0.118	\$1,755	166	0.18	\$4.57	\$759	0	\$4.50	\$0	\$2,514
			\$0.118	\$12,180	2,278.00	0.82	\$4.62	\$10,522	0	\$4.50	\$0	\$22,702
		11	\$0.118	¢1 755	726	<i>cc</i> 0	C1 63	¢1 00.7	c	64 ED	C#	C2 847
		1 u	\$0.110 \$0.110	001'-A	201	44.0	10.14	1000	0 0		0 C	\$2 200
822 U 115 10		0- 28	\$0.110 \$0.118	\$2,172 \$2,073	100	02.0	07 73	41,003 41 455	- c	84 50	0.4 4	43,33U
0- 0++		00	\$0.1 G	010.70	124	07.0	D.1. 19	00t+	D	00. <b>1</b> 0	D P	\$70°0\$
		30	\$0.118	\$1,661	367	0.78	\$4.29	\$1,574	0	\$4.50	\$0	\$3,235
97		82	\$0.118	\$1,802	244	1.30	\$4.47	\$1,090	0	\$4.50	\$0	\$2,892
June 26 218 1009	0% 19,200	79	\$0.118	\$2,262	213	0.87	\$4.03	\$858	0	\$4.50	\$0	\$3,120
2nd half yr 3017 338	95,800	29	\$0.118	\$11,285	1,715	0.51	\$4.51	\$7,728	o	\$4.50	\$0	\$19,013
TOTAL/YEAR 5043 1074	199,200	33	\$0.118	\$23,465	3,993.00	0.65	\$4.57	\$18,250	0	\$4.50	\$0	\$41,715
Building Data: 1965		Energy Con:	sumption to B <sup>7</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2 36,400		Electricity =	Electricity = KWH X 3413		BIUSX1,000 679,870		Ш	Energy Utilization Index =	ו h dex =			
Gross Volume (#)3 291,200		Natural Gas	ral Gas = MCF X 102,500	500	409,283			Total	Total BTU Consumption/Yr	tion/Yr	1,089,152,100	
							I		Gross Area (ft) 2	0	36,400	•
General Notes:		Fuel Oil = G	Oil = Gallons X 138,700	00	0			ί	Divided by 100 000 =	=	0 2002	THFRMS
		Other Fuel			0			5		5	1001.0	
		TOT/	TOTAL BTU's × 1,000	00	1,089,152							

128 | Page

\$0.17

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	сітү			PURCHA	PURCHASED STEAM			FUEL OI	ll.	TOTAL
MONTH	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 GalMr TOTAL	ENERGY COST
vint	c	436	100%	1 812 000	4 156	\$0 055	\$100.183	C	000	\$12.10	U <del>\$</del>	c	\$4.50	U\$	\$100.183
August	· <del></del>	218	100%	1.668.000	7.616	\$0.057	\$94.425	9	0.03	\$12.10	\$76	0	\$4.50	\$0	\$94,502
September	137	80	100%	1,488,000	6,857	\$0.061	\$90,251	866	3.99	\$12.10	\$10,478	0	\$4.50	\$0	\$100,729
October	385	3	100%	1,248,000	3,225	\$0.056	\$70,163	2,433	6.29	\$12.10	\$29,445	0	\$4.50	\$0	\$99,608
November	587	0	100%	1,260,000	2,147	\$0.056	\$70,316	3,710	6.32	\$12.10	\$44,894	0	\$4.50	\$0	\$115,211
December	916	0	100%	2,136,000	2,332	\$0.053	\$114,257	5,790	6.32	\$12.10	\$70,057	0	\$4.50	\$0	\$184,314
1st half yr	2026	736		9,612,000	3,480	\$0.056	\$539,595	12,805.83	4.64	\$12.10	\$154,951	o	\$4.50	\$0	\$694,546
January	1070	0	100%	1,272,000	1,189	\$0.055	\$70,087	6,763	6.32	\$12.10	\$81,835	0	\$4.50	\$0	\$151,922
February	922	0	100%	876,000	950	\$0.055	\$48,204	5,828	6.32	\$12.10	\$70,516	0	\$4.50	\$0	\$118,719
March	445	19	100%	1,447,479	3,120	\$0.057	\$82,636	2,813	6.06	\$12.10	\$34,034	0	\$4.50	\$0	\$116,670
April	464	4	100%	1,145,600	2,448	\$0.057	\$64,835	2,933	6.27	\$12.10	\$35,487	0	\$4.50	\$0	\$100,322
May	06	97	100%	1,307,702	6,993	\$0.054	\$70,341	569	3.04	\$12.10	\$6,883	0	\$4.50	\$0	\$77,224
June	26	218	100%	1,450,111	5,943	\$0.055	\$79,869	164	0.67	\$12.10	\$1,989	0	\$4.50	\$0	\$81,858
2nd half yr	3017	338		7,498,892	2,235	\$0.055	\$415,972	19,070	5.68	\$12.10	\$230,743	o	\$4.50	\$0	\$646,716
TOTALMEAR	5043	1074		17,110,892	2,797	\$0.056	\$955,568	31,875.52	5.21	\$12.10	\$385,694	0	\$4.50	\$0	\$1,341,262
Building Data:		1976			Energy Con:	sumption to B <sup>1</sup>	Energy Consumption to BTU Conversions	RTI1's V 1 000							
Gross Area (ft)2	c	378,123			Electricity =	Electricity = KWH X 3413		58,399,474		Ш	Energy Utilization Index =	ו ndex =			
Gross Volume (ft)3	( <b>t</b> )3	3,024,984			Steam = M (	= M (lbs) X 1,000,000	00	31,875,521		1	Total	Total BTU Consumption/Yr	otion/Yr	90,274,995,275	
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	0				Gross Area (ft) 2	7	378,123	
					Other Fuel			0			'n	Divided by 100,000 =	= 00	2.3875	THERMS
					TOT/	TOTAL BTU's x 1,000	00	90,274,995							
			L L C												
COST / SQ. FT. / YEAK	. / YEAK		\$3.55												
WATER / SQ. FT. / YEAR	-T. / YEAR		\$0.68												

BUILDING: Hospital

129 | Page

BUILDING: FY YEAR:	Kobacker Hall 2012	al												DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA	PURCHASED STEAM			FUEL OII		TOTAL
MONTH	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	ENERGY COST
					ļ						;	ŀ		;	
July	0	436	100%	59,760	137	\$0.055	\$3,304	0	0.00	\$12.10	80	0	\$4.50	80	\$3,304
August	~	218	100%	51,360	235	\$0.057	\$2,907	-	0.00	\$12.10	\$8	0	\$4.50	\$0	\$2,916
September	137	80	100%	46,800	216	\$0.061	\$2,839	94	0.43	\$12.10	\$1,140	0	\$4.50	\$0	\$3,979
October	385	2	100%	40.080	104	\$0.056	\$2.253	265	0.68	\$12.10	\$3.204	0	\$4.50	\$0	\$5,457
November	587	0	100%	31,920	54	\$0.056	\$1,781	404	0.69	\$12.10	\$4,885	0	\$4.50	<b>\$</b> 0	\$6,666
December	916	0	100%	29,040	32	\$0.053	\$1,553	630	0.69	\$12.10	\$7,622	0	\$4.50	\$0	\$9,176
1st half yr	2026	736		258,960	94	\$0.056	\$14,638	1,393.28	0.50	\$12.10	\$16,859	0	\$4.50	\$0	\$31,497
-	0101	¢	10001	000 10					000	01 010		¢	01.00	Ű	
Cohmony	0/01	- c	0/ 001	21,200	57 77	\$0.055	01,10 01 717	1.50	0.00	01.210	\$0,304 \$7 \$77	<b>5</b> c	00.4¢	0.00	\$10,023
Manuary	322	- ç	%001	21,400	40		417,16	400	80.0	01.21¢	210,14	5 0	00.44	D 6	40,000
March	445	91	100%	61,440	132	/cn.u\$	\$3,5UB	306	0.06	\$12.10	\$3,703	Ð	\$4.50	\$0	\$7,211
April	464	4	100%	31,200	67	\$0.057	\$1,766	319	0.68	\$12.10	\$3,861	0	\$4.50	\$0	\$5,627
May	90	97	100%	44,400	237	\$0.054	\$2,388	62	0.33	\$12.10	\$749	0	\$4.50	\$0	\$3,137
June	26	218	100%	48,960	201	\$0.055	\$2,697	18	0.07	\$12.10	\$216	0	\$4.50	\$0	\$2,913
2nd half yr	3017	338		248,400	74	\$0.055	\$13,794	2,075	0.62	\$12.10	\$25,105	ο	\$4.50	\$0	\$38,899
TOTALMEAR	5043	1074		507,360	83	\$0.056	\$28,432	3,468.08	0.57	\$12.10	\$41,964	0	\$4.50	\$0	\$70,396
Building Data:		1982			Energy Cor	sumption to B	Energy Consumption to BTU Conversions								8
Gross Area (ft)2	2	41,140			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 1,731,620		В	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	329,120			Steam = M	Steam = M (lbs) X 1,000,000	00	3,468,075			Total	Total BTU Consumption/Yr	tion/Yr	5,199,694,695	
								,		1		Gross Area (ft) 2	2	41,140	
General Notes:	1127				Fuel Oil = 0	Oil = Gallons X 138,690	060	0			Ϋ́	Divided by 100 000 =	=	1 2630	THERMS
					Other Fuel			0			2		2	0004-	
					TOT	TOTAL BTU's × 1,000	00	5,199,695							
COST / SQ. FT. / YEAR	/YEAR		\$1.71												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.13												

130 | Page

UILUING: Lab Ind	ncubator

FY YEAR:	2012	5													
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OI	j	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	4,613	11	\$0.055	\$255	22	0.05	\$8.74	\$192	0	\$4.50	\$0	\$447
August	÷	218	100%	3,394	15	\$0.057	\$192	20	0.09	\$10.21	\$204	0	\$4.50	\$0	\$396
September	137	80	100%	2,918	13	\$0.061	\$177	19	0.09	\$8.97	\$170	0	\$4.50	\$0	\$347
Outobor	206	c	10001	0110	0	¢0.056	477	47	100	¢77.04	C.1.7E	c	64 EO	C S	C 220
	000	N 0	%.001	0,140	0 4		~ ~ - <del>•</del>		40.0	40. 17¢	0.44				2000
December	916	00	100%	3,685	04	\$0.053	\$197	15	0.02	\$59.32	\$890 \$890	00	\$4.50	000000000000000000000000000000000000000	\$1,087
1st half yr	2026	736		20,837	80	\$0.056	\$1,170	110.00	0.04	\$21.88	\$2,407	0	\$4.50	\$0	\$3,577
January	1070	0	100%	3.620	<i>с</i> о	\$0.055	\$199	21	0.02	\$3.72	\$78	0	\$4.50	\$0	\$278
February	922	0	100%	3.641	4	\$0.055	\$200	21	0.02	\$2.60	\$55	0	\$4.50	<b>\$</b> 0	\$255
March	445	19	100%	3,641	8	\$0.057	\$208	19	0.04	\$3.62	\$69	0	\$4.50	\$0	\$277
April	464	4	100%	2,618	9	\$0.057	\$148	20	0.04	\$5.03	\$101	0	\$4.50	\$0	\$249
May	90	97	100%	3,204	17	\$0.054	\$172	20	0.11	\$5.65	\$113	0	\$4.50	\$0	\$285
June	26	218	100%	3,545	15	\$0.055	\$195	24	0.10	\$2.34	\$56	0	\$4.50	\$0	\$251
2nd half vr	3017	338		20.269	ç	\$0.055	\$1 123	1.25	0.04	23 77	\$471	c	84 50	US	\$1 595
		200		204.04	>	000	) 	24-	5			þ	) }	) )	2001
TOTALMEAR	5043	1074		41,106	7	\$0.056	\$2,294	235.00	0.04	\$12.25	\$2,878	0	\$4.50	\$0	\$5,171
Building Data:		1955			Energy Cor	Consumption to BTU Conversions	TU Conversion:								
Gross Area (ft)2	2	20,533			Electricity =	Electricity = KWH X 3413		BIU'S X 1,000 140,295		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	164,264			Natural Gas	Gas = MCF X 102,500	,500	24,088			Total	Total BTU Consumption/Yr	otion/Yr	164,382,278	
General Notes					Fuel Oil = 0	= Gallons X 138 690	06	C		I		Gross Area (ft) 2	2	20,533	Ĩ
					Other Fuel		L	0			Dĩ	Divided by 100,000 =	= 00	0.0801	THERMS
					TOT	TOTAL BTU's x 1,000	00	164,382							
COST / SQ. FT. / YEAR	r. / YEAR		\$0.25												

\$0.04

	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			PURCHA.	PURCHASED STEAM			FUEL OI		TOTAL
MONTH	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 GalMr TOTAL	ENERGY COST
, the	c	136	100%	164 000	376	\$0.055	\$0.067	c	000	\$12.10	Ç	c	\$1 50	Ç	¢0.067
Andret	) <del>.</del>	918	100%	155 600	711	\$0.057	SR RDR	о <i>с</i>	100	\$12.10	878		00.14	2 G	\$8 836
September	137	80	100%	168,200	775	\$0.061	\$10,202	316	1.46	\$12.10	\$3,822	00	\$4.50	80	\$14,024
October	385	7	100%	151,800	392	\$0.056	\$8,534	888	2.29	\$12.10	\$10,741	0	\$4.50	\$0	\$19,275
November	587	0	100%	112,200	191	\$0.056	\$6,261	1,353	2.31	\$12.10	\$16,376	0	\$4.50	\$0	\$22,638
December	916	0	100%	185,800	203	\$0.053	\$9,939	2,112	2.31	\$12.10	\$25,555	0	\$4.50	\$0	\$35,494
1st half yr	2026	736		937,600	339	\$0.056	\$52,812	4,671.25	1.69	\$12.10	\$56,522	O	\$4.50	\$0	\$109,334
January	1070	0	100%	110,150	103	\$0.055	\$6,069	2,467	2.31	\$12.10	\$29,851	0	\$4.50	\$0	\$35,921
February	922	0	100%	108,065	117	\$0.055	\$5,947	2,126	2.31	\$12.10	\$25,722	0	\$4.50	\$0	\$31,669
March	445	19	100%	113,100	244	\$0.057	\$6,457	1,026	2.21	\$12.10	\$12,415	0	\$4.50	\$0	\$18,872
April	464	4	100%	172,800	369	\$0.057	\$9,780	1,070	2.29	\$12.10	\$12,945	0	\$4.50	\$0	\$22,724
May	06	97	100%	167,800	897	\$0.054	\$9,026	208	1.11	\$12.10	\$2,511	0	\$4.50	\$0	\$11,537
June	26	218	100%	151,200	620	\$0.055	\$8,328	60	0.25	\$12.10	\$725	0	\$4.50	\$0	\$9,053
2nd half yr	3017	338		823,115	245	\$0.055	\$45,606	6,956	2.07	\$12.10	\$84,169	0	\$4.50	\$0	\$129,775
TOTALMEAR	5043	1074		1,760,715	288	\$0.056	\$98,418	11,627.41	1.90	\$12.10	\$140,692	0	\$4.50	\$0	\$239,110
Building Data:		1973			Energy Con	sumption to B	Energy Consumption to BTU Conversions	вті 1°- < 1 000							
Gross Area (ft)2	2	137,930			Electricity =	Electricity = KWH X 3413		6,009,320		Ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	1,103,440			Steam = M (	Steam = M (lbs) X 1,000,000	00	11,627,409		I	Tota	Total BTU Consumption/Yr	stion/Yr	17,636,728,823	
General Notes	10				Firel Oil = G	Oil = Gallons X 138 690	06	C				Gross Area (ft) 2	5	137,930	
					Other Fuel			· c			Di	Divided by 100,000 =	= 00	1.2787	THERMS
					TOT	TOTAL RTIL'S V 1 000		17 636 770							
					2		2	04 - COOC							
COST / SQ. FT. / YEAR	./YEAR		\$1.73												
WATER (SO FT / YEAR	FT / YEAR		\$0.00												

BUILDING: Mulford Library

BUILDING: FY YEAR:	Northwest C 2012	Northwest Ohio Medical Technology Center 2012	ll Technolo	gy Center										DATE :	10/22/12
Second Second	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OI		TOTAL
MONTH	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	ENERGY COST
					ļ				100	i		ſ	-	:	
July	0	436	100%	99,603	228	\$0.055	\$5,507	163	0.37	\$8.74	\$1,424	0	\$4.50	\$0	\$6,931
August	÷	218	100%	73,821	337	\$0.057	\$4,179	145	0.66	\$10.21	\$1,480	0	\$4.50	\$0	\$5,659
September	137	80	100%	106,578	491	\$0.061	\$6,464	128	0.59	\$8.97	\$1,148	0	\$4.50	\$0	\$7,612
October	385	6	100%	89466	231	\$0 056	\$5 030	146	0.38	\$5.85	\$854	C	\$4 50	0\$	\$5 883
November	587		100%	123 908	211	\$0.056	\$6.915	210	0.36	\$11.17	\$2 345		\$4.50	Ç,	\$9 260
December	916	0	100%	24,915	27	\$0.053	\$1,333	172	0.19	\$8.48	\$1,458	0	\$4.50	\$0	\$2,791
1st half yr	2026	736		518,291	188	\$0.056	\$29,428	964.00	0.35	\$9.03	\$8,709	0	\$4.50	\$0	\$38,136
January	1070	0	100%	119,576	112	\$0.055	\$6,589	177	0.16	\$2.60	\$459	0	\$4.50	\$0	\$7,048
February	922	0	100%	19,547	21	\$0.055	\$1,076	177	0.19	\$2.60	\$459	0	\$4.50	\$0	\$1,535
March	445	19	100%	29,189	63	\$0.057	\$1,666	315	0.68	\$3.62	\$1,139	0	\$4.50	\$0	\$2,805
April	464	4	100%	36.783	79	<b>\$0.057</b>	\$2.082	341	0.73	\$5.03	\$1.716	0	\$4.50	\$0	\$3.798
May	06	97	100%	69,149	370	\$0.054	\$3,720	214	1.14	\$5.65	\$1,210	0	\$4.50	\$0	\$4,929
June	26	218	100%	85,391	350	\$0.055	\$4,703	291	1.19	\$2.34	\$680	0	\$4.50	\$0	\$5,383
2nd half yr	3017	338		359,635	107	\$0.055	\$19,835	1,514	0.45	\$3.74	\$5,663	0	\$4.50	\$0	\$25,498
TOTALMEAR	5043	1074		877,926	144	\$0.056	\$49,263	2,478.00	0.41	\$5.80	\$14,372	0	\$4.50	\$0	\$63,635
Ruilding Data:	200	1008			Energy Co	neumotion to B	Consumption to BTIL Conversions								
Dulluing Data.		000						s RTI l's x 1 000							
Gross Area (ft)2	2	38,614			Electricity =	Electricity = KWH X 3413		2,996,361		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	308,912			Natural Ga	Gas = MCF X 102,500	2,500	253,995		ļ	Total	Total BTU Consumption/Yr	otion/Yr	3,250,355,755	
N LOOS										I		Gross Area (ft) 2	2	38,614	
General Notes:					Fuel Oil = (	= Gallons X 138,690	690	0			Ë	Divided by 100 000 -	- 00	0 0440	TUEDMC
					Other Fuel			0			ā				
					TOT	TOTAL BTU's × 1.000	000	3.250.356							
COST / SQ. FT. / YEAR	T. / YEAR		\$1.65												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.11												

	DEGREE DAYS (DD)	DAYS (DD)			ELECTRICITY	спү			PURCHA	PURCHASED STEAM			FUEL OII	<u> </u>	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	456,000	1,046	\$0.055	\$25,212	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$25,212
August	-	218	100%	807,000	3,685	\$0.057	\$45,684	ი	0.01	\$12.10	\$34	0	\$4.50	\$0	\$45,718
September	137	80	100%	477,000	2,198	\$0.061	\$28,931	386	1.78	\$12.10	\$4,677	0	\$4.50	\$0	\$33,608
October	385	Ю	100%	287,400	743	\$0.056	\$16,158	1,086	2.81	\$12.10	\$13,142	0	\$4.50	\$0	\$29,300
November	587	0	100%	276,000	470	\$0.056	\$15,403	1,656	2.82	\$12.10	\$20,037	0	\$4.50	\$0	\$35,440
December	916	0	100%	288,600	315	\$0.053	\$15,438	2,584	2.82	\$12.10	\$31,268	0	\$4.50	\$0	\$46,705
1st half yr	2026	736		2,592,000	938	\$0.056	\$146,825	5,715.50	2.07	\$12.10	\$69,158	0	\$4.50	\$0	\$215,983
January	1070	0	100%	356,400	333	\$0.055	\$19,638	3,019	2.82	\$12.10	\$36,524	0	\$4.50	\$0	\$56,162
February	922	0	100%	247,200	268	\$0.055	\$13,603	2,601	2.82	\$12.10	\$31,473	0	\$4.50	\$0	\$45,075
March	445	19	100%	616,465	1,329	\$0.057	\$35,194	1,255	2.71	\$12.10	\$15,190	0	\$4.50	\$0	\$50,384
April	464	4	100%	353,291	755	\$0.057	\$19,994	1,309	2.80	\$12.10	\$15,839	0	\$4.50	\$0	\$35,833
May	90	97	100%	363,864	1,946	\$0.054	\$19,572	254	1.36	\$12.10	\$3,072	0	\$4.50	\$0	\$22,644
June	26	218	100%	446,978	1,832	\$0.055	\$24,619	73	0.30	\$12.10	\$888	0	\$4.50	\$0	\$25,506
2nd half yr	3017	338		2,384,198	711	\$0.055	\$132,619	8,511	2.54	\$12.10	\$102,985	o	\$4.50	\$0	\$235,605
TOTALMEAR	5043	1074		4,976,198	814	\$0.056	\$279,444	14,226.69	2.33	\$12.10	\$172,143	0	\$4.50	\$0	\$451,587
Building Data:		1970			Energy Cons	sumption to B	Consumption to BTU Conversions	S							
Gross Area (ft)2		168,764			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 16,983,764		Ш	Energy Utilization Index =	in Index =			
Gross Volume (ft)3	t)3	1,350,112			Steam = M (	M (lbs) X 1,000,000	00(	14,226,695			Tota	Total BTU Consumption/Yr	otion/Yr	31,210,458,277	
General Notes:					Fuel Oil = G	= Gallons X 138,690	390	0				Gross Area (ft) 2	2	168,764	
					Other Fuel			0			Ō	Divided by 100,000 =	= 00	1.8494	THERMS
					TOT/	OTAL BTU's x 1,000	000	31,210,458							
COST / SQ. FT. / YEAR	/YEAR		\$2.68												

\$0.94

WATER / SQ. FT. / YEAR

## BUILDING: Paul Block Jr. Health Science Building

134 | Page

ILDING:	Records Retention
VEAD.	010

12
221
10/
983
ш
5
2

BUILDING: FY YEAR:	Records Retention 2012	stention												DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	СПУ			NATUI	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
i.e.															0
July	0	436	100%	26,852	62	\$0.055	\$1,485	7	0.02	\$8.74	\$61	0	\$4.50	\$0	\$1,546
August	F	218	100%	23,479	107	\$0.057	\$1,329	7	0.03	\$8.74	\$61	0	\$4.50	\$0	\$1,390
September	137	80	100%	19,036	88	\$0.061	\$1,155	7	0.03	\$8.74	\$61	0	\$4.50	\$0	\$1,216
October	385	0	100%	20.106	52	\$0.056	\$1 130	7	0.02	\$8 74	\$61	C	\$4 50	0\$	<b>S1</b> 192
November	587		100%	17 040	20	\$0.056	\$951	77	0.05	\$30.11	\$813		\$4.50	¢ ¢	S1 764
December	916	0	100%	19,125	21	\$0.053	\$1,023	16	0.02	\$53.75	\$860	0	\$4.50	\$0	\$1,883
1 of balfier	acuc	726		175 620	A E	¢0.056	¢7 073	71.00	0.02	\$77 D4	¢1 010	c	64 EO	C <del>U</del>	¢0 000
Ist light yr	0707	001		000,021	0 1	0cn.n¢	c/0,1¢	00.17	c0.0	10.124	016,14	D	00.46	0	90°330
January	1070	0	100%	16,554	15	\$0.055	\$912	98	0.09	\$3.72	\$365	0	\$4.50	\$0	\$1,277
February	922	0	100%	17,412	19	\$0.055	\$958	170	0.18	\$2.60	\$442	0	\$4.50	\$0	\$1,400
March	445	19	100%	17,412	38	\$0.057	\$994	196	0.42	\$3.62	\$709	0	\$4.50	\$0	\$1,703
April	464	4	100%	17.248	37	\$0.057	\$976	165	0.35	\$5.03	\$830	0	\$4.50	\$0	\$1.807
May	06	97	100%	21,123	113	\$0.054	\$1,136	58	0.31	\$5.65	\$328	0	\$4.50	\$0	\$1,464
June	26	218	100%	20,886	86	\$0.055	\$1,150	48	0.20	\$2.34	\$112	0	\$4.50	\$0	\$1,263
2nd half yr	3017	338		110,635	33	\$0.055	\$6,127	735	0.22	\$3.79	\$2,786	0	\$4.50	\$0	\$8,913
TOTALMEAR	5043	1074		236,273	39	\$0.056	\$13,200	806.00	0.13	\$5.84	\$4,704	0	\$4.50	\$0	\$17,903
Building Data:		1956			Energy Con	sumption to BT	Energy Consumption to BTU Conversions								
Gross Area (ft)2	Ŋ	32,086			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 806,400		ш	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	256,688			Natural Gas	Natural Gas = MCF X 102,500	500	82,615			Total	Total BTU Consumption/Yr	tion/Yr	889,014,749	
2								a		1	U	Gross Area (ft) 2	~	32,086	
General Notes:					Fuel Oil = G	Oil = Gallons X 138,690	06	0			Nin	Divided by 100 000 =	=	0 2771	THERMS
					Other Fuel			0					5	1	
					TOT	TOTAL BTU's x 1,000	00	889,015							
COST / SQ. FT. / YEAR	T. / YEAR		\$0.56												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.22												

135 | Page

BUILDING: FY YEAR:	Ruppert Health Center 2012	alth Center												DATE :	10/22/12
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ЮТУ			PURCHA	PURCHASED STEAM			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	158,256	363	\$0.055	\$8,750	0	0.00	\$12.10	\$0	0	\$4.50	\$0	\$8,750
August	F	218	100%	105,008	479	\$0.057	\$5,944	2	0.01	\$12.10	\$23	0	\$4.50	\$0	\$5,968
September	137	80	100%	133,312	614	\$0.061	\$8,086	261	1.20	\$12.10	\$3,162	0	\$4.50	\$0	\$11,248
October	385	c	100%	122 002	318	\$0.056	\$6 015	73.4	1 90	\$12.10	48 887	c	\$4 50	U\$	\$15 BU2
November	587	4 C	100%	112 768	107	\$0.056	\$6.203	1120	101	\$10 10 \$10 10	\$12 550	o c	54 50	¢	\$10 B43
December	916	00	100%	121,072	132	\$0.053	\$6,476	1,747	1.91	\$12.10	\$21,145	0 0	\$4.50	80	\$27,621
1st half yr	2026	736		753,408	273	\$0.056	\$42,464	3,865.09	1.40	\$12.10	\$46,768	o	\$4.50	\$0	\$89,232
Vaniary.	1070	C	100%	137 872	129	\$0.055	\$7 597	2 041	191	\$12.10	\$24 700	C	\$4 50	U\$	\$37 296
Fehruan	022		100%	144 016	156	\$0.055	\$7 975	1 759	191	\$12.10	\$21.283	i c	\$4 50	Ş	\$29,208
March	445	9	100%	156,480	337	\$0.057	\$8,933	849	1.83	\$12.10	\$10,272	0 0	\$4.50	80	\$19,206
April	464	4	100%	133,080	284	\$0.057	\$7,532	885	1.89	\$12.10	\$10,711	0	\$4.50	\$0	\$18,242
May	90	97	100%	159,088	851	\$0.054	\$8,557	172	0.92	\$12.10	\$2,078	0	\$4.50	\$0	\$10,635
June	26	218	100%	172,590	707	\$0.055	\$9,506	50	0.20	\$12.10	\$600	0	\$4.50	\$0	\$10,106
2nd half yr	3017	338		903,126	269	\$0.055	\$50,050	5,756	1.72	\$12.10	\$69,643	0	\$4.50	\$0	\$119,693
TOTALMEAR	5043	1074		1,656,534	271	\$0.056	\$92,514	9,620.75	1.57	\$12.10	\$116,411	0	\$4.50	\$0	\$208,925
Building Data:		1985			Energy Cor	1sumption to B <sup>7</sup>	Consumption to BTU Conversions								
(a) ()	c	901 111			There is a second s	CFFC A LIVER		8		L	ana tanan titul ta mana at				
Gross Area (π)∠	V	114,120			Electricity =	Electricity = KVVH A 34 13		10/5000			Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	913,008			Steam = M	M (lbs) X 1,000,000	00	9,620,747		2	Total	Total BTU Consumption/Yr	tion/Yr	15,274,497,484	
General Notes:					Final Oil = 0	= Gallons X 138 690	dn	c			~	Gross Area (ft) 2	2	114,126	
	2						0	þ			Div	Divided by 100,000 =	10 =	1.3384	THERMS
					Other Fuel			0							
					TOT	OTAL BTU's × 1,000	00	15,274,497							
COST / SQ. FT. / YEAR	- / YEAR		\$1.83												

136 | Page

\$0.35

BUILDING: FY YEAR:	Veterans Ad 2012	Veterans Adminstration Bldg. 2012	Bldg.											DATE :	10/22/12
	DEGREE [	DEGREE DAYS (DD)			ELECTRI	RICITY			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcfper DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
	,			:				č	i c					1	
Ainc	∍	430	%nn1	11,442	104	ccn.u¢	UC8,5¢	77	cn.u	\$0.0¢	\$1.54	Þ	\$4.50	D¢	\$4,084
August	-	218	100%	66,080	302	\$0.057	\$3,741	14	0.06	\$7.09	66\$	0	\$4.50	\$0	\$3,840
September	137	80	100%	50,667	233	\$0.061	\$3,073	15	0.07	\$6.31	\$95	0	\$4.50	\$0	\$3,168
October	385	2	100%	47.222	122	\$0.056	\$2.655	15	0.04	\$6.02	06\$	0	\$4.50	\$0	\$2.745
November	587		100%	42 630	73	\$0.056	\$2 379	15	0.03	\$6.33	\$95		\$4 50	SO SO	\$2 474
December	916	0	100%	45,327	49	\$0.053	\$2,425	18	0.02	\$6.44	\$116	0	\$4.50	\$0	\$2,541
1st half yr	2026	736		323,368	117	\$0.056	\$18,222	00.66	0.04	\$6.36	\$629	ο	\$4.50	\$0	\$18,851
	0101	c	10001		0	110 00		00		00 L.		¢	01 7 <del>0</del>	će	010.00
January	0.00	<b>.</b> .	%001		4 <b>•</b>	\$0.000	92,120	000	40.0	00.00	0774	5 0	01.4¢	0.00	208,24
rebruary	877 776	<b>&gt;</b> !	%nnL	43,195	47	ccn.u¢	\$2,377	120	0.13 5	18.04	11/4	<b>.</b>	\$4.5U	D\$	\$3,U34
March	445	19	100%	53,660	116	\$0.057	\$3,063	149	0.32	\$5.41	\$806	0	\$4.50	\$0	\$3,870
April	464	4	100%	46.806	100	\$0.057	\$2.649	132	0.28	\$5.26	\$695	0	\$4.50	\$0	\$3.344
May	06	97	100%	53,261	285	\$0.054	\$2,865	48	0.26	\$5.62	\$270	0	\$4.50	\$0	\$3,135
June	26	218	100%	64,441	264	\$0.055	\$3,549	22	0.09	\$6.27	\$138	0	\$4.50	\$0	\$3,687
2nd half yr	3017	338		310,835	93	\$0.055	\$17,229	509	0.15	\$5.60	\$2,852	o	\$4.50	\$0	\$20,081
TOTALMEAR	5043	1074		634,203	104	\$0.056	\$35,452	608.00	0.10	\$5.73	\$3,481	0	\$4.50	\$0	\$38,933
Building Data:		1978			Energy Con	sumption to B1	Energy Consumption to BTU Conversions								
Gross Area (ft)2		40,447			Electricity =	Electricity = KWH X 3413		BTU's × 1,000 2,164,533		1000	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	323,576			Natural Gas	Natural Gas = MCF X 102,500	500	62,320			Total	Total BTU Consumption/Yr	tion/Yr	2,226,853,133	
										1	Ū	Gross Area (ft) 2	2	40,447	
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	D			2iC	Divided by 100 000 =	I	0 5506	THERMS
					Other Fuel			0					5		)
					TOT	TOTAL BTU's x 1,000	00	2,226,853							
COST / SQ. FT. / YEAR	Γ. / YEAR		\$0.96												
WATER / SQ. FT. / YEAR	FT. / YEAR		\$0.10												

137 | Page

BUILDING: FY YEAR:	Basic Scien 2012	ice Lab-Clas	ssroom Ctr-	Basic Science Lab-Classroom Ctr-Allied Health 2012	23									DATE :	10/22/12
5	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OI	L.	TOTAL
HLNOM	Heating	Cooling	% P.F.	kWh	kWh per DD	Cost per kWh	TOTAL	1000 cubic feet (Mcf)	Mcfper DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
, inter-	c	007	1000		Ş			c		0000	ć	c		ç	110 010
Vinc		450	%000	84,08U	194	\$0.122 \$0.120	010,045	5 0	00.0			5 0	00.40		010,040
August	-	218	%nn1	87'N' I	4∠U	\$U.12U	/nn'11¢	∍	n.uu	nn.u¢	D A	5	00.44	DA A	/nn, L1¢
September	137	80	100%	79,508	366	\$0.116	\$9,213	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$9,213
October	385	7	100%	84,345	218	\$0.104	\$8,738	0	00.0	\$0.00	\$0	0	\$4.50	\$0	\$8,738
November	587	0	100%	102,337	174	\$0.094	\$9,614	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$9,614
December	916	0	100%	157,122	172	\$0.084	\$13,195	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$13,195
1st half yr	2026	736		600,069	217	\$0.107	\$62,111	00.0	00.0	\$0.00	\$0	0	\$4.50	\$0	\$62,111
Vieinel	1070	c	100%	111 611	132	\$0.087	\$11 563	C		\$0 00	U\$	c	84 50	C\$	\$11 563
February	922	0	100%	128,679	140	\$0.088	\$11.367	0	0.00	\$0.00	20 80	00	\$4.50	20\$	\$11.367
March	445	19	100%	86,601	187	\$0.111	\$9,585	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$9,585
Anril	464	Ā	100%	55322	118	\$0.126	766 9\$		000	\$0 00	US	c	<u>54</u> 50	U\$	700 95
Mav	6	97	100%	73.020	390	\$0.124	\$9.054	0	00.0	\$0.00	20 80	0	\$4.50	\$0	\$9.054
June	26	218	100%	90,029	369	\$0.117	\$10,542	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$10,542
2nd half yr	3017	338		575,262	171	\$0.108	\$59,104	O	0.00	\$0.00	\$0	0	\$4.50	\$0	\$59,104
TOTALMEAR	5043	1074		1,175,331	192	\$0.107	\$121,215	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$121,215
Building Data:		1969			Energy Cor	sumption to B	Energy Consumption to BTU Conversions								5
Gross Area (ft)2		77,096			Electricity =	Electricity = KWH X 3413		BTU's x 1,000 4,011,406			Energy Utilization Index =	n Index =			
Gross Volume (ft)3	ft)3	616,768			Natural Gas	Natural Gas = MCF X 102,500	,500	0			Total	Total BTU Consumption/Yr	otion/Yr	4,011,406,068	
						First Oil - O-II V 120 600	000	c				Gross Area (ft) 2	2	77,096	
General Notes.						2010115 A 1.20,0	380	D			Ō	Divided by 100.000 =	= 00	0.5203	THERMS
					Other Fuel			0				•			
					τοτ	TOTAL BTU's x 1,000	000	4,011,406							
COST / SQ. FT. / YEAR	/YEAR		\$1.57												
WATER / SQ. FT. / YEAR	T. / YEAR		\$0.13												

138 | Page

	DEGREE DAYS (DD)	AYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OII		TOTAL
MONTH	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	ENERGY COST
	c	904	1000/	11 667	10	60 177	101 10	c	000	0000	ç	c	61 60	ç	101
Auno	þ	430	%,001	100,11	17	\$0.12Z	\$1,4Z4	Þ	0.00	nn n¢	D¢	5	00.4¢	DA	31,424
August	÷	218	100%	12,339	56	\$0.120	\$1,475	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,475
September	137	80	100%	11,883	55	\$0.116	\$1,377	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,377
	100	¢	10001	00001	9	101.00	000 10	c	000	00 00	ç	c	01.1.4	ç	000 10
October	385	2	100%	18,983	49	\$0.104	\$1,966	Ð	0.00	\$0.00	20	Ð	\$4.50	<b>\$</b> 0	\$1,966
November	587	0	100%	34,285	58	\$0.094	\$3,221	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,221
December	916	0	100%	56,176	61	\$0.084	\$4,717	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,717
1st half yr	2026	736		145,323	53	\$0.107	\$14,181	00.0	0.00	\$0.00	\$0	o	\$4.50	\$0	\$14,181
January	1070	0	100%	52,271	49	\$0.082	\$4,268	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,268
February	922	0	100%	50,970	55	\$0.088	\$4,503	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,503
March	445	19	100%	32,843	71	\$0.111	\$3,635	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,635
April	464	4	100%	31,804	68	\$0.126	\$4.021	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,021
May	90	97	100%	33,811	181	\$0.124	\$4,192	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,192
June	26	218	100%	31,927	131	\$0.117	\$3,738	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,738
2nd half yr	3017	338		233,626	20	\$0.108	\$24,357	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$24,357
TOTALMEAR	5043	1074		378,949	62	\$0.107	\$38,538	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$38,538
Building Data:		1969			Energy Con	sumption to B	Consumption to BTU Conversions	000 P							
Gross Area (ft)2		24,812			Electricity =	Electricity = KWH X 3413		BIUSX1,000 1,293,352		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	ft)3	198,496			Natural Gas	Gas = MCF X 102,500	,500	0			Tota	Total BTU Consumption/Yr	vtion/Yr	1,293,352,254	
								ſ		1		Gross Area (ft) 2	2	24,812	I
General Notes:						= Gallons X 138,690	080	Ð			Ċ	Divided by 100 000 =	= U	0 5213	THFRMS
					Other Fuel			0			2		2	2 42.5	
					TOT	TOTAL BTU's x 1.000	00	1,293,352							

BUILDING: Engineering Tech Lab Center

\$1.55 \$0.13

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

MONTH	DEGREE DAYS (DD)	AYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OIL		TOTAI
	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	ENERGY COST
Labore	c	907	10001		č		190 14	c	000	0000	ç	c	01 10	ç	190 19
		450	10000	10,322	47	\$0.122 \$0.120	107,1¢	<b>)</b> c	0000			<b>-</b> c	00.44 00.50	D 0	01,201
August September	137	80	100%	11,323	52 52	\$0.116	\$1,312 \$1,312	00	0.00	00.0\$	\$0	00	\$4.50	80	\$1,312
October	385	2	100%	11.885	31	<b>S</b> 0.104	\$1.231	0	00.0	\$0.00	\$0	0	\$4.50	20	\$1.231
November	587	0	100%	12,950	22	\$0.094	\$1,217	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,217
December	916	0	100%	19,561	21	\$0.084	\$1,643	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,643
1st half yr	2026	736		77,501	28	\$0.107	\$8,033	0.00	00.0	\$0.00	\$0	0	\$4.50	\$0	\$8,033
January	1070	0	100%	17,928	17	\$0.082	\$1,464	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,464
February	922	0	100%	15,901	17	\$0.088	\$1,405	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1,405
March	445	19	100%	13,534	29	\$0.111	\$1,498	0	00.0	\$0.00	\$0	0	\$4.50	\$0	\$1,498
April	464	4	100%	8.182	17	<b>\$</b> 0.126	\$1.034	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$1.034
May	90	97	100%	17,137	92	\$0.124	\$2,125	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$2,125
June	26	218	100%	19,239	79	\$0.117	\$2,253	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$2,253
2nd half yr	3017	338		91,922	27	\$0.108	\$9,778	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$9,778
TOTALMEAR	5043	1074		169,423	28	\$0.107	\$17,812	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$17,812
Building Data:		1993			Energy Con	sumption to B	Energy Consumption to BTU Conversions								
Gross Area (ft)2		8,895			Electricity =	Electricity = KWH X 3413		578,241		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3		71,160			Natural Gas	Natural Gas = MCF X 102,500	,500	0			Tota	Total BTU Consumption/Yr	ption/Yr	578,241,040	
General Notes:					Fuel Oil = G	= Gallons X 138,690	06	0		l		Gross Area (ft) 2	2	8,895	ſ
					Other Fuel			0			۵	Divided by 100,000 =	= 00	0.6501	THERMS
					TOT	TOTAL BTU's x 1,000	00	578,241							

140 | Page

\$2.00 \$0.13

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR

BUILDING: FY YEAR:	Findlay Athl 2012	Findlay Athletic Complex 2012	×											DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
e l															0
July	0	436	100%	9,955	23	\$0.122	\$1,216	80	0.02	\$12.89	\$108	0	\$4.50	\$0	\$1,324
August	-	218	100%	11,039	50	\$0.120	\$1,320	8	0.04	\$13.03	\$106	0	\$4.50	\$0	\$1,425
September	137	80	100%	6,098	28	\$0.116	\$707	13	0.06	\$11.52	\$150	0	\$4.50	\$0	\$856
October	205	ç	10002	7 207	10	\$0.104	¢767	70	200	¢2 73	40 <i>6</i>	c	64 EO	C <del>Q</del>	¢012
November	587		100%	7 307	- <del>-</del>	\$0.004	9694	105	0.0	CC C4	\$330	o c	84 50	0 G	\$1 076
December	916	00	100%	3,709	4	\$0.084	\$311	265	0.29	\$3.21	\$852	00	\$4.50	80	\$1,163
1st half yr	2026	736		45,414	16	\$0.107	\$4,997	426.50	0.15	\$3.85	\$1,640	0	\$4.50	\$0	\$6,637
, acting	1070	c	10001	E EGE	ų	¢0 00	¢464	746	0 23	¢1 60	¢200	c	6 1 EO	ç	6010
	0.01		8 001	000°0	וכ	200.00	1010	C + 7	C 7 . D				00.40	2	7 + 0 +
February	922	0	100%	6,413	2	\$0.088	\$566	409	0.44	\$4.09	\$1,670	0	\$4.50	\$0	\$2,236
March	445	19	100%	6,053	13	\$0.111	\$670	466	1.00	\$4.47	\$2,083	0	\$4.50	\$0	\$2,752
Anril	ARA		100%	11 1 1 1	VC	\$0 176	\$1 106	787	0.61	\$6 00	\$1 720	c	\$4 50	U\$	\$3.176
Mari			10001	1000	1 4	00 1 J 1	001 000	107	1 10	00.04	011.14	o c			00 CO
May	<b>D</b> B :	10	%nnL	1,930	4 2	\$U.124	\$993	717	1.40	\$0.24	00/,1¢	5	UC.4¢	PA C	\$2,083
June	26	218	100%	8,350	34	\$0.117	\$978	131	0.54	\$6.77	\$889	0	\$4.50	\$0	\$1,867
2nd half yr	3017	338		45,432	14	\$0.108	\$5,058	1,810	0.54	\$4.67	\$8,450	0	\$4.50	\$0	\$13,508
TOTALMEAR	5043	1074		90,846	15	\$0.107	\$10,055	2,236.30	0.37	\$4.51	\$10,090	0	\$4.50	\$0	\$20,145
Building Data:		2000			Energy Cor	rsumption to B	Consumption to BTU Conversions								
Gross Area (ft)2		6,593			Electricity =	Electricity = KWH X 3413		310,057		н	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	52,744			Natural Gas	Gas = MCF X 102,500	500	229,221			Total	Total BTU Consumption/Yr	otion/Yr	539,278,148	
General Natas:	-					- Gallone Y 138 600	CO	c			0	Gross Area (ft) 2	2	6,593	
	25						2	D			Div	Divided by 100,000 =	00 =	0.8180	THERMS
					Other Fuel			•							
					TOT	TOTAL BTU's × 1,000	00	539,278							
COST / SQ. FT. / YEAR	- / YEAR		\$3.06												

141 | Page

\$0.13

BUILDING: FY YEAR:	LRC ASC ar 2012	LRC ASC and Concourse 2012	e											DATE :	10/22/12
	DEGREE DAYS (DD)	(DD) SYAC			ELECTRICITY	СПҮ			NATU	NATURAL GAS			FUEL OIL		TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	127,714	293	\$0.122	\$15,602	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$15,602
August	÷	218	100%	121,999	557	\$0.120	\$14,584	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$14,584
September	137	80	100%	112,494	518	\$0.116	\$13,036	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$13,036
Cotobor	205	ç	1000	010 011	747	\$0 1 U	\$17 016	c	000	\$0.00	Ç	c	\$ 4 EO	¢0	C17 016
		N C	%-001	1/2,340	447	\$0.104 \$0.004	010,210	5 0	0.00	00.06	0 Q		01.40	0.0	
November December	916	00	100%	18/,/88 276,917	302 302	\$0.084	\$17,041 \$23,255	00	0.00	\$0.00 \$0.00	0 \$	00	\$4.50 \$4.50	°\$0	\$23,255
	0000	001									÷	c			
1st half yr	2026	736		999,860	362	\$0.107	\$102,034	00.0	0.00	\$0 <sup>.00</sup>	80	0	\$4.50	\$0	\$102,034
January	1070	0	100%	269,194	252	\$0.082	\$21,981	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$21,981
February	922	0	100%	272,355	295	\$0.088	\$24,059	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$24,059
March	445	19	100%	193,133	416	\$0.111	\$21,375	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$21,375
April	464	4	100%	156,604	335	\$0.126	\$19,798	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$19,798
May	90	97	100%	119,502	639	\$0.124	\$14,817	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$14,817
June	26	218	100%	111,057	455	\$0.117	\$13,004	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$13,004
2nd half vr	3017	338		1.121.844	334	\$0.108	\$115.034	0	0.00	S0.00	\$0	0	\$4.50	\$0	\$115.034
•											-				
TOTALMEAR	5043	1074		2,121,704	347	\$0.107	\$217,067	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$217,067
Building Data:		1969			Energy Con	sumption to B <sup>-</sup>	Consumption to BTU Conversions								
Gross Area (ft)2	2	127,430			Electricity =	Electricity = KWH X 3413		B1U'S X 1,000 7,241,375		H	Energy Utilization Index =	In dex =			
Gross Volume (ft)3	(ft)3	1,019,440			Natural Gas	Gas = MCF X 102,500	500	0			Total	Total BTU Consumption/Yr	tion/Yr	7,241,374,728	
										1		Gross Area (ft) 2	2	127,430	
General Notes:					Fuel OII = G	= Gallons X 138,690	00	D			Div	Divided by 100 000 =	=	0 5683	THERMS
					Other Fuel			0			ŝ		1	2000	
					TOT	TOTAL BTU's × 1,000	00	7,241,375							
COST / SQ. FT. / YEAR	'./YEAR		\$1.70												

142 | Page

\$0.13

s Center	
Non-Academic Services Center	2012
BUILDING:	FY YEAR:

1															2
	DEGREE	DEGREE DAYS (DD)			ELECTRICITY	ICITY			NATU	NATURAL GAS			FUEL OIL	L.	TOTAL
MONTH	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	ENERGY COST
July	0	436	100%	158,050	363	\$0.122	\$19,308	0	0.00	\$0.00	\$0	o	\$4.50	\$0	\$19,308
August	÷	218	100%	173,240	791	\$0.120	\$20,709	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$20,709
September	137	80	100%	51,050	235	\$0.116	\$5,916	0	00.0	\$0.00	\$0	0	\$4.50	\$0	\$5,916
October	385	2	100%	39,500	102	\$0.104	\$4,092	0	00.0	\$0.00	\$0	0	\$4.50	\$0	\$4,092
November	587	0	100%	27,020	46	\$0.094	\$2,538	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$2,538
December	916	0	100%	45,460	50	\$0.084	\$3,818	0	00.0	\$0.00	\$0	0	\$4.50	\$0	\$3,818
1st half yr	2026	736		494,320	179	\$0.107	\$56,381	00.0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$56,381
January	1070	0	100%	44,260	41	\$0.082	\$3,614	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,614
February	922	0	100%	41,740	45	\$0.088	\$3,687	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$3,687
March	445	19	100%	26,840	58	\$0.111	\$2,971	0	00.0	\$0.00	\$0	0	\$4.50	\$0	\$2,971
April	464	4	100%	18,176	39	\$0.126	\$2,298	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$2,298
May	06	97	100%	107,106	573	\$0.124	\$13,280	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$13,280
June	26	218	100%	134,169	550	\$0.117	\$15,710	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$15,710
2nd half yr	3017	338		372,291	111	\$0.108	\$41,560	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$41,560
TOTALMEAR	5043	1074		866,611	142	\$0.107	\$97,941	00.0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$97,941
Building Data:	200	1969			Energy Cor	1sumption to B	Energy Consumption to BTU Conversions	s							
								В		1					
Gross Area (ft)2	2	14,881			Electricity =	Electricity = KWH X 3413		2,957,744		ш	Energy Utilization Index =	n Index =			
Gross Volume (ft)3	(ft)3	119,048			Natural Gas	Natural Gas = MCF X 102,500	,500	0		I	Total	Total BTU Consumption/Yr	otion/Yr	2,957,744,367	Ĭ
General Notes:	3				Fuel Oil = 0	Oil = Gallons X 138,690	390	0				Gross Area (ft) 2	2	14,881	
					Other Fuel			0			Ū	Divided by 100,000 =	= 00	1.9876	THERMS
					TOT	TOTAL BTU's x 1,000	000	2,957,744							
COST / SQ. FT. / YEAR	T. / YEAR		\$6.58												

143 | Page

\$0.13

ILDING:	Scott Park Student Center
YEAR:	2012

BUILDING: FY YEAR:	Scott Park S 2012	Scott Park Student Center 2012	ter											DATE :	10/22/12
	DEGREEI	DEGREE DAYS (DD)			ELECTRICITY	стү			NATUI	NATURAL GAS			FUEL OIL		TOTAL
MONTH	Heating	Cooling	% P.F.	kwh	kWh per DD	Cost per kVVh	TOTAL	1000 cubic feet (Mcf)	Mcf per DD	Cost per Mcf	TOTAL	Load-shed Hours	Cost per Gal	@20 Gal/Hr TOTAL	ENERGY COST
July	0	436	100%	37,605	86	\$0.122	\$4,594	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,594
August	÷	218	100%	34,001	155	\$0.120	\$4,064	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,064
September	137	80	100%	39,908	184	\$0.116	\$4,625	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$4,625
October	385	2	100%	51,819	134	\$0.104	\$5,368	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,368
November	587	0	100%	58,386	66	\$0.094	\$5,485	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,485
December	916	0	100%	79,912	87	\$0.084	\$6,711	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,711
1st half yr	2026	736		301,632	109	\$0.107	\$30,847	0.00	00.0	\$0.00	\$0	0	\$4.50	\$0	\$30,847
January	1070	0	100%	81,852	76	\$0.082	\$6,684	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,684
February	922	0	100%	86,554	94	\$0.088	\$7,646	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$7,646
March	445	19	100%	48,467	104	\$0.111	\$5,364	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,364
April	464	4	100%	39,107	84	\$0.126	\$4.944	0	00.0	\$0.00	<b>\$</b> 0	0	\$4.50	\$0	\$4,944
May	90	97	100%	50,581	270	\$0.124	\$6,272	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$6,272
June	26	218	100%	44,806	184	\$0.117	\$5,246	0	0.00	\$0.00	\$0	0	\$4.50	\$0	\$5,246
2nd half yr	3017	338		351,367	105	\$0.108	\$36,155	0	00.0	\$0.00	\$0	o	\$4.50	\$0	\$36,155
TOTALMEAR	5043	1074		652,998	107	\$0.107	\$67,002	0.00	0.00	\$0.00	\$0	0	\$4.50	\$0	\$67,002
Building Data:		1974			Energy Con	sumption to B <sup>-</sup>	Energy Consumption to BTU Conversions								
Gross Area (ft)2	~	30,601			Electricity =	Electricity = KWH X 3413		2,228,682		Ш	Energy Utilization Index =	i Index =			
Gross Volume (#)3	( <b>f</b> t)3	244,808			Natural Gas	Natural Gas = MCF X 102,500	500	0		ļ	Total	Total BTU Consumption/Yr	tion/Yr	2,228,682,174	
General Notes:					Fuel Oil = G	Fuel Oil = Gallons X 138,690	06	0				Gross Area (ft) 2	N	30,601	
					Other Fuel			0			Div	Divided by 100,000 =	= 0	0.7283	THERMS
					TOT	TOTAL BTU's x 1,000	00	2,228,682							

144 | Page

\$2.19 \$0.13

WATER / SQ. FT. / YEAR COST / SQ. FT. / YEAR