### Macalester College DigitalCommons@Macalester College

Sustainability Data Sustainability Office

1-1-1997

## Macalester College Annual Energy Summary 1996-97

Macalester College

Follow this and additional works at: http://digitalcommons.macalester.edu/susdata

#### Recommended Citation

Macalester College, "Macalester College Annual Energy Summary 1996-97" (1997). Sustainability Data. Paper 116. http://digitalcommons.macalester.edu/susdata/116

This Data Set is brought to you for free and open access by the Sustainability Office at DigitalCommons@Macalester College. It has been accepted for inclusion in Sustainability Data by an authorized administrator of DigitalCommons@Macalester College. For more information, please contact scholarpub@macalester.edu.

### MACALESTER COLLEGE

1996-97

ANNUAL ENERGY SUMMARY

# ANNUAL ENERGY SUMMARY 1996-97 MACALESTER COLLEGE

INTRODUCTION: The information contained in this booklet summarizes energy consumption for Macalester College steam plant and main electrical loop from June 1, 1996 through May 31, 1997. This booklet does not cover the cost of small individual gas and electric meters serving buildings not served by the central plant or main electric loop. Unless otherwise noted energy consumption figures and costs are based on actual billings from energy suppliers (Koch Refining, NSP Electric, NSP Gas). Throughout this summary the word "fuel" may denote either #2 or #6 fuel oils or natural gas.

#### YEAR IN REVIEW

At 140,880 billion btus total (electricity, fuel oil and gas) consumption exceeded any previous reading in the past twelve years by 6.6 billion btus. Total energy costs exceeded the budget by \$92,126 for a total cost of \$852,326; an amount exceeding any previous year of the past twelve by \$87,230. These increases in cost and consumption were incurred even though heating degrees decreased 624 days in 1996-97 as compared to the previous year.

Two factors contributed to these marked increases; first the Rice portion of the renovated Olin/Rice Science complex became fully operational, and second, even though publicly regulated electrical rates remain relatively cheap gas and fuel oil rates are experiencing extreme volatility. Fuel prices pushed average fuel costs to the highest level in the past ten years.

FUEL CONSUMPTION during 1996-97 totaled 99,991 billion btus. This compares to other highs of 100,514 in 1984-85 and 100,426 in 1988-89. At 7,297 1996-97 heating degree days fell below last year's reading of 7,921 but consumption increased during this period by 8.4 billion btus. This consumption is directly related to adding Rice Hall and temporary heat consumption for the new residence hall.

A comparison of the "old" Rice Hall in 1992-93 (heating degree days of 7,296) versus the "new" Rice Hall of 1996-97 (heating degree days of 7,297) shows an increase from 249,140 to 1,705,500 gallons of condensate respectively or a 585% increase. Additionally, even though the new residence hall metering did not start until January, 1997 temporary heat requirements totaled 240,700 gallons.

In addition to higher consumption levels natural gas and fuel prices both experienced significant increases during the early winter months of 1996-97. In December, 1996 gas and #6 fuel oil prices totaled \$4.40 and \$3.20 per million btus respectively. These levels exceeded any previous levels of the past ten years. January saw a decrease in gas prices to \$3.93 per million btus but #6

fuel oil increased to .60 per gallon or \$4.00 per million btus. Even though natural gas prices decreased substantially during February the majority of costs were already incurred for the year. These higher prices pushed average fuel costs up to \$3.08 per million btus as compared to \$2.31 per million btus the year before or increase of 33.33%.

ELECTRICITY: While electricity prices remained stable (actually dropping in cost per unit by \$.002) consumption increased from 10,836,825 kwh in 1995-96 to 11,983,679 kwh in 1996-1997 or 10.6%. This increase can be directly attributed to the operation of Rice Hall where the electrical consumption went from 603,426 kwh in 1992-93 to 2,009,643 kwh in 1996-97 or an increase of 233%. Normal campus operations have ventilation fans shut down when buildings closed but with fume hoods, chemicals, and 24 hour experiments Rice fails to close and is not designed to do so. This means major ventilation fans (100hp, 125hp, 40hp, 5-30hp) run continuously racking up additional consumption and demand charges every minute of each day. Additionally, during air conditioning periods this requires the central chilled water plant to operate 24 hours a day when previously it was only operated 12 hours a day. Central plant chiller operating hours increased from 1,644 to 2,185 hours or 32.1% between 1995-96 and 1996-97. An extremely cold spring in 1997 kept this number from increasing even more; anticipate increased operating hours during 1997-98.

SUMMARY: Fiscal year 1996-97 represents the first year of a new era for Macalester College. Olin/Rice pushed Macalester from a day operation for academic buildings and heat only to residence halls to an around the clock operation for both heating and cooling. The addition of the new residence hall and the renovation of 30 Mac will add to this around the clock operation. Once completed the new Campus Center will again cause a significant increase in utility costs when it becomes operational.

The wild card in budgeting for upcoming years will be the volatility in the energy markets. Macalester should anticipate relatively stable electrical fees for the next 4 or 5 years unless a major energy crisis occurs. Once retail wheeling occurs electrical rates may decrease but more likely will experience an increase. Available information suggests fuel oil and natural gas prices will remain volatile for the next year and may remain so even if supplies remain stable.

Campus energy consumption continues to increase but energy saving equipment and designs provide a significant savings in both current operations and when compared to historical consumption levels. Since 1972 the campus has added approximately 200,000 square feet and significant equipment loads (printers, computers, microwaves, additional air conditioning and heating) and yet our consumption during 1996-97 still fell 33 billion btus below 1971-1972.

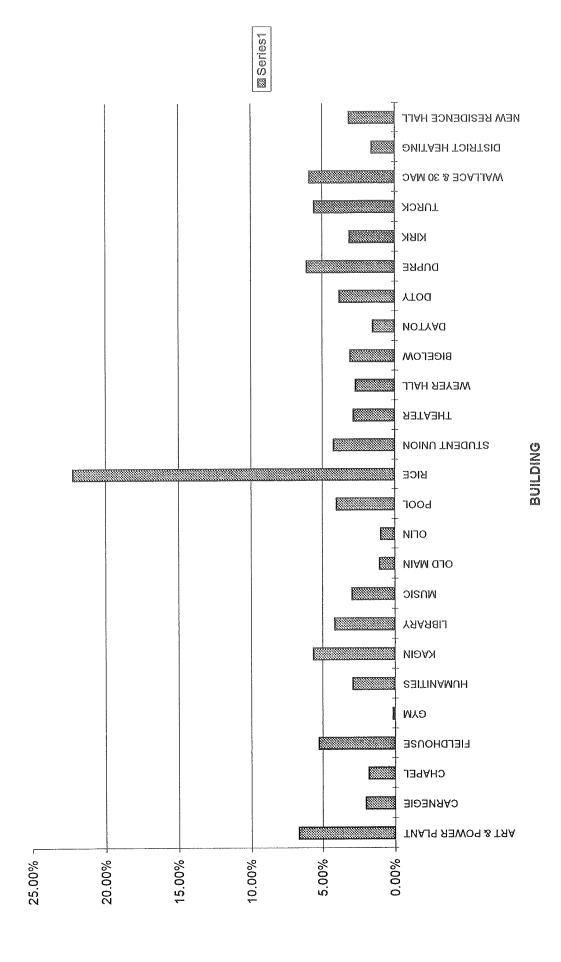
		JUM	JUL	AUG	SEP
GAS	QUANTITY-CCF COST-\$	0 \$288.75	0 \$288.75	0 \$288.75	0 \$288.75
	UNIT COST	0	0	0	0
	CCF BTUS(X1000)	o	o	o	0
#2 FUEL OIL	QUANTITY-GAL	o	O	0	0
WE TOLL VIL	COST-8	\$0.00	\$0.00	\$0.00	\$0.00
	UNIT COST	0.0000	0.0000	0.0000	0.0000
#6 FUEL OIL	QUANTITY-GAL	o	0	o	0
my 2 webs was	COST-\$	\$0.00	\$0.00	\$0.00	\$0.00
	UNIT COST	0.0000	0.0000	0,0000	0.0000
	OR BTUS(X1000)	0	0	0	0
TOTAL HEATING BTU (X100k)	QUANTITY-BTU(x1K)	o	0	0	0
ELECTRICITY	QUANTITY-KWH	727,680	1,204,800	691,200	1,070,400
Sandarder ov v v VII NOTE V V	# BILLING DAYS	26	29	29	32
	KWH PER DAY	27,988	41,545	23,834	33,450
	COST-\$	\$36,089.46	\$55,056.45	\$46,912.74	\$56,136.57
	UNIT COST	0.050	0.046	0.068	0.052
	QUANTITY KW	2,064	2,136	2,184	2,280
	COST-\$	\$13,721.47	\$17,158.48	\$18,149.04	\$18,946.80
	BTUS(X1000)	2,482,844	4,110,778	2,358,374	3,652,205
TOTAL CAMPUS BTU CONSUMPTION X 10	<u>ORKIL</u>	248	411	236	365
# STEAM GENERATED		0	o	o	574,200
BOILER EFFICIENCY (BTU STEAM/BTU FUE	L	0.0%	0.0%	0.0%	50.0%
HEATING DEGREE DAY - ACTUAL (MAC)		30	0	0	123
COOLING DEGREE DAY - ACTUAL (MAC)		306	328	334	101
	New Central Plant	0	0	0	0
Chiller	10040 Courses Leaved	v	•		
	Old Central Plant	484	713	744	121
Run Tims	Old Central Plant Chapel	484 317	713 324	744 121	0
Tims	Old Central Plant Chapel	484	713	744	O SEPT.
Run Tims	Old Central Plant Chapel  IPTION  QUANTITY-CCF	484 317 JUNE	713 324 JULY 0	744 121 <b>AUGUST</b> 0	0 SEPT. 22,499
Run Tims 1995-96 FUEL AND ELECTRICITY CONSUM	Old Central Plant Chapel IPTION  QUANTITY-CCF COST-4	484 317 JUNE	713 324 JULY	744 121 AUGUST	0 SEPT. 22,499 \$4,332.94
Run Tims 1995-96 FUEL AND ELECTRICITY CONSUM	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-4 UNIT COST	484 317 JUNE 0 \$288.75	713 324 JULY 0 \$288.75	744 121 AUGUST 0 \$288.75	0 SEPT. 22,499 \$4,332.94 0.193
Run Tims 1995-96 FUEL AND ELECTRICITY CONSUM	Old Central Plant Chapel IPTION  QUANTITY-CCF COST-4	484 317 JUNE	713 324 JULY 0	744 121 <b>AUGUST</b> 0	0 SEPT. 22,499 \$4,332.94
Run Tims 1995-96 FUEL AND ELECTRICITY CONSUM GAS	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-4 UNIT COST	484 317 JUNE 0 \$288.75	713 324 JULY 0 \$288.75	744 121 AUGUST 0 \$288.75	0 SEPT. 22,499 \$4,332.94 0.193
Run Tims 1995-96 Fuel and Electricity Consun Gas	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)	484 317 JUNE 0 \$288.75	713 324 JULY 0 \$288.75	744 121 AUGUST 0 \$288.75	0 SEPT. 22,499 \$4,332.94 0.193 2,249,900
Run Tims 1995-96 Fuel and Electricity Consun Gas	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL	484 317 JUNE 0 \$288.75 0	713 324 JULY 0 \$288.75 0	744 121 AUGUST 0 \$288.75 0	0 SEPT. 22,499 \$4,332,94 0.193 2,249,900
Run Tims 1995-96 FUEL AND ELECTRICITY CONSUM	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$	484 317 JUNE  0 \$288.75  0 0 \$0.00	713 324 JULY 0 \$288.75 0 0 \$0.00	744 121 AUGUST 0 \$288.75 0	0 SEPT. 22,499 \$4,332,94 0.193 2,249,900 0 \$0.00
Run Tims 1995-96 FUEL AND ELECTRICITY CONSUM GAS	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST	484 317 JUNE  0 \$288.75  0  0 \$0.00 0.0000	713 324 JULY 0 \$288.75 0 0 \$0.00 0.0000	744 121 AUGUST 0 \$288.75 0 0 \$0.00 0.0000	0 SEPT. 22,499 \$4,332.94 0.193 2,249,900 0 \$0.00 0.0000
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)	484 317 JUNE  0 \$288.75  0  0 \$0.00 0.0000 0	713 324 JULY  0 \$288.75  0  0 \$0.00 0.0000 0	744 121 AUGUST 0 \$288.75 0 0 \$0.00 0.0000 0	0 SEPT. 22,499 \$4,332,94 0.193 2,249,900 0 \$0.00 0.0000
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM GAS OIL	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OIL BTUS(X1000)  QUANTITY-BTU	484 317 JUNE  0 \$288.75  0 \$0.00 0.0000 0	713 324 JULY 0 \$288.75 0 0 \$0.00 0.0000 0	744 121 AUGUST  0 \$288.75  0 0 \$0.00 0.0000 0	0 SEPT. 22,499 \$4,332,94 0.193 2,249,900 0 \$0.00 0.0000 0 2,249,900
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS	484 317 JUNE  0 \$288.75  0  0 \$0.00 0.0000 0 0 840,000 32	713 324 JULY  0 \$288.75  0  0 \$0.00 0.0000 0 0 843,200 33	744 121 AUGUST  0 \$288.75  0  0 \$0.00 0.0000 0 0 768,800	0 SEPT. 22,499 \$4,332,94 0.193 2,249,900 0,0000 0,0000 0 2,249,900 792,525
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY	484 317 JUNE  0 \$288.75  0  0 \$0.00 0.0000 0 0 840,000 32 26,250	713 324 JULY  0 \$288.75  0 0 \$0.00 0.0000 0 0 843,200 33 25,552	744 121 AUGUST  0 \$288.75  0  0 \$0.00 0.0000 0 0 768,800 31 46,913	0 SEPT. 22,499 \$4,332.94 0.193 2,249,900 0,0000 0 2,249,900 792,525 30
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$	484 317 JUNE  0 \$288.75  0  0 \$0.00 0.0000 0 0  840,000 32 26,250 \$46,925.95	713 324 JULY  0 \$288.75  0  0 \$0.00 0.0000 0  843,200 33 25,552 \$51,452.69	744 121 AUGUST  0 \$288.75  0  0 \$0.00 0.0000 0  768,800 31 46,912,74	0 SEPT.  22,499 \$4,332,94 0.193 2,249,900  0 \$0.00 0.0000 0 2,249,900  792,525 30 26,418
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST	484 317 JUNE  0 \$288.75  0 \$0.00 0.0000 0 0 840,000 32 26,250 \$46,925.95 0.056	713 324 JULY  0 \$288.75  0 \$0.00 0.0000 0 0 843,200 33 25,552 \$51,452.69 0.061	744 121 AUGUST  0 \$288.75  0 \$0.00 0.0000 0  768,800 31 46,913 \$46,912,74 0.061	0 SEPT.  22,499 \$4,332,94 0.193 2,249,900  0,0000 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW	484 317 JUNE  0 \$288.75  0  \$0.00 0.0000 0 0  840,000 32 26,250 \$46,925.95 0.056 1,992	713 324 JULY  0 \$288.75  0 0 \$0.00 0.0000 0 0 843,200 33 25,552 \$51,452.69 0.061 2,088	744 121 AUGUST  0 \$288.75  0  0 \$0.00 0.0000 0  768,800 31 46,913 \$46,912,74 0.061 2,088	0 SEPT.  22,499 \$4,332,94 0.193 2,249,900  0 \$0.00 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055 1,992
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST	484 317 JUNE  0 \$288.75  0 \$0.00 0.0000 0 0 840,000 32 26,250 \$46,925.95 0.056	713 324 JULY  0 \$288.75  0 \$0.00 0.0000 0 0 843,200 33 25,552 \$51,452.69 0.061	744 121 AUGUST  0 \$288.75  0 \$0.00 0.0000 0  768,800 31 46,913 \$46,912,74 0.061	0 SEPT.  22,499 \$4,332,94 0.193 2,249,900  0,0000 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	484 317 JUNE  0 \$288.75  0 \$0,000 0.0000 0 0 840,000 32 26,250 \$46,925.95 0.056 1,992 \$16,553.52	713 324  JULY  0 \$288.75  0 \$0.00 0.0000 0  843,200 33 25,552 \$51,452.69 0.061 2,088 \$19,086.41	744 121 AUGUST  0 \$288.75  0 \$0,00 0.0000 0 0 768,800 31 46,913 \$46,912.74 0.061 2,088 \$17,929.65	0 SEPT.  22,499 \$4,332,94 0.193 2,249,900  0 \$0.00 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055 1,992 \$14,404.55
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X 10	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	484 317 JUNE  0 \$288.75  0  0 \$0.00 0.0000 0 0  840,000 32 26,250 \$46,925.95 0.056 1,992 \$16,553.52 2,866,080	713 324  JULY  0 \$288.75  0 \$0.00 0.0000 0  843,200 33 25,552 \$51,452.69 0.061 2,088 \$19,086.41 2,876,998	744 121 AUGUST  0 \$288.75  0 \$0.00 0.0000 0 768,800 31 46,913 \$46,912.74 0.061 2,088 \$17,929.65 2,623,146	22,499 \$4,332,94 0.193 2,249,900 0,0000 0,0000 792,525 30 26,418 \$43,310.12 0.055 1,992 \$14,404.55 2,704,095
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X 10  # STEAM GENERATED	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	484 317 JUNE  0 \$288.75  0 \$288.75  0 \$0.000 0.0000 0 \$0.000 0 \$0.000 0 \$22 26,250 \$46,925.95 0.056 1,992 \$16,553.52 2,866,080 287	713 324  JULY  0 \$288.75  0 \$0.00 0.0000 0 0 843,200 33 25,552 \$51,452.69 0.061 2,088 \$19,086.41 2,876,998  288 0	744 121  AUGUST  0 \$288.75  0 \$0,00 0.0000 0 0 768,800 31 46,913 \$46,912.74 0.061 2,088 \$17,929.65 2,623,146  262 0	22,499 \$4,332,94 0.193 2,249,900  0 \$0.00 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055 1,992 \$14,404.55 2,704,095
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X 10  # STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BTU FUE	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	484 317 JUNE  0 \$288.75  0 \$0,000 0.0000 0 0 840,000 32 26,250 \$46,925.95 0.056 1,992 \$16,553.52 2,866,080 287  0 0.0%	713 324  JULY  0 \$288.75  0 \$0.00 0.0000 0 0 843,200 33 25,552 \$51,452.69 0.061 2,068 \$19,086.41 2,876,998  288  0 0.0%	744 121  AUGUST  0 \$288.75 0 0 \$0.00 0.0000 0 0 768,800 31 46,913 \$46,912.74 0.061 2,088 \$17,929.65 2,623,146  262 0 0.0%	\$EPT.  22,499 \$4,332,94 0.193 2,249,900  0 \$0.00 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055 1,992 \$14,404.55 2,704,095  495  574,200 50.0%
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X 10  # STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BTU FUE  HEATING DEGREE DAY - ACTUAL (MAC)	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	484 317  JUNE  0 \$288.75  0  0 \$0.00 0.0000 0.0000 0  840,000 32 26,250 \$46,925.95 0.056 1,992 \$16,553.52 2,866,080  287  0 0.0% 30	713 324  JULY  0 \$288.75  0 \$0,000 0,0000 0 0 843,200 33 25,552 \$51,452.69 0,061 2,088 \$19,086.41 2,876,998 288  0 0,0% 0	744 121  AUGUST  0 \$288.75  0 \$0,000 0,0000 0 0 768,800 31 46,913 \$46,912.74 0,061 2,088 \$17,929.65 2,623,146  262  0 0,0% 0	\$EPT.  22,499 \$4,332,94 0.193 2,249,900  0 \$0.00 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055 1,992 \$14,404.55 2,704,095  495  574,200 50.0% 188
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  **  **  **  **  **  **  **  **  **	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	484 317  JUNE  0 \$288.75  0  0 \$0.00 0.0000 0.0000 0  840,000 32 26,250 \$46,925.95 0.056 1,992 \$16,553.52 2,866,080  287  0 0.0% 30 287	713 324  JULY  0 \$288.75  0 \$0.00 0.0000 0 843,200 33 25,552 \$51,452.69 0.061 2,088 \$19,086.41 2,876,998  288  0 0.0% 0 266	744 121  AUGUST  0 \$288.75  0  0 \$0.00 0.0000 0  768,800 31 46,912.74 0.061 2,088 \$17,929.65 2,623,146  262  0 0.0% 0 176	22,499 \$4,332,94 0,193 2,249,900 0,0000 0,0000 0 2,249,900 792,525 30 26,418 \$43,310.12 0,055 1,992 \$14,404.55 2,704,095 495 574,200 50.0% 188 101
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  ** STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BTU FUE  HEATING DEGREE DAY - ACTUAL (MAC)  COOLING DEGREE DAY - ACTUAL (MAC)  Chiller	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)  DMIL  New Central Plant	484 317 JUNE  0 \$288.75  0 \$0,000 0.0000 0 0 840,000 32 26,250 \$46,925.95 0.056 1,992 \$16,553.52 2,866,080  287  0 0.0% 30 287 0	713 324  JULY  0 \$288.75  0 \$0,00 0.0000 0.0000 0 843,200 33 25,552 \$51,452.69 0.061 2,088 \$19,086.41 2,876,998  288  0 0.0% 0 266 0	744 121  AUGUST  0 \$288.75  0 \$0.00 0.0000 0 0 768,800 31 46,912.74 0.061 2,088 \$17,929.65 2,623,146  262  0 0.0% 0 176 0	0 SEPT.  22,499 \$4,332,94 0.193 2,249,900  0 \$0.00 0.0000 0 2,249,900  792,525 30 26,418 \$43,310.12 0.055 1,992 \$14,404.55 2,704,095  495  574,200 50.0% 188 101
Run Tims  1995-96 FUEL AND ELECTRICITY CONSUM  GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  **  **  **  **  **  **  **  **  **	Old Central Plant Chapel  IPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	484 317  JUNE  0 \$288.75  0  0 \$0.00 0.0000 0.0000 0  840,000 32 26,250 \$46,925.95 0.056 1,992 \$16,553.52 2,866,080  287  0 0.0% 30 287	713 324  JULY  0 \$288.75  0 \$0.00 0.0000 0 843,200 33 25,552 \$51,452.69 0.061 2,088 \$19,086.41 2,876,998  288  0 0.0% 0 266	744 121  AUGUST  0 \$288.75  0  0 \$0.00 0.0000 0  768,800 31 46,912.74 0.061 2,088 \$17,929.65 2,623,146  262  0 0.0% 0 176	22,499 \$4,332,94 0,193 2,249,900 0,0000 0,0000 0 2,249,900 792,525 30 26,418 \$43,310.12 0,055 1,992 \$14,404.55 2,704,095 495 574,200 50.0% 188 101

1996-97 FUEL & ELECTRICTY CONSU		OCT	NOV	DEC	JA
C25	QUANTITY-CCF	81,367	126,255	16,118	
GAS	COST-\$	\$18,560.04	\$37,777.07	\$6,646.08	\$39
	UNIT COST	0.228	0.299	0.412	
	CCF BTUS(X1000)	8,136,700	12,625,500	1,611,800	9,
#2 FUEL OIL	QUANTITY-GAL	0	o	7,503	
W do 1 Otale Ole	COST-\$	\$0.00	\$0.00	\$5,605.12	
	UNIT COST	0.0000	0.0000	0.7471	
#6 FUEL OIL	QUANTITY-GAL	О	16,706	97,039	
	COST-\$	\$0.00	\$7,259.55	\$44,298.33	\$3
	UNIT COST	0.0000	0.4345	0.4565	
	OIL BTUS(X1000)	О	2,505,900	15,598,767	8,
TOTAL HEATING BTU (X100k)	QUANTITY-BTU(x1K)	8,136,700	15,131,400	17,210,567	18,
ELECTRICITY	QUANTITY-KWH	960,000	998,400	1,039,898	1
	# BILLING DAYS	29	31	31	
•	KWH PER DAY	33,103	32,206	33,545	
	COST-\$	\$44,123.59	\$45,668.97	\$44,214.67	\$4
	UNIT COST	0.046	0.046	0.043	
	QUANTITY KW	1,968	2,112	1,968	
	COST-\$	\$11,138.88	\$11,953.92	\$11,510.17	\$1
	BTUS(X1000)	3,275,520	3,406,541	3,548,132	3
TOTAL CAMPUS BTU CONSUMPTION	N X 10MIL	1,147	1,854	2,076	
# STEAM GENERATED		5,425,815	8,772,900	12,387,800	12
BOILER EFFICIENCY (BTU STEAM/BT)	u fuel	<b>7</b> 5.0%	80.0%	79.9%	
HEATING DEGREE DAY - ACTUAL (M		438	1,100	1,399	
COOLING DEGREE DAY - ACTUAL (M		8	0	0	
			0	0	
Chiller	New Central Plant	0	U	•	
Chiller Run	New Central Plant Old Central Plant	0	0	0	
Run Tims	Old Central Plant Chapel	0	0	0	
Run	Old Central Plant Chapel	0	0	0	JL
Run Tims 1995-96 FUEL AND ELECTRICITY CO	Old Central Plant Chapel ONSUMPTION	o o	0	0	J
Run Tims	Old Central Plant Chapel  DISUMPTION  QUANTITY-CCF	о ост. 71,874	0 0 NOV. 124,967	0 0 DEC. 15,628	
Run Tims 1995-96 FUEL AND ELECTRICITY CO	Old Central Plant Chapel  DISUMPTION  QUANTITY-CCF COST-8	0 0 0 0CT. 71,874 \$14,332.72	0 0 <b>NOV</b> . 124,967 \$26,664.34	O O DEC.	
Run Tims 1995-96 FUEL AND ELECTRICITY CO	Old Central Plant Chapel  DISUMPTION  QUANTITY-CCF	о ост. 71,874	0 0 NOV. 124,967	0 0 DEC. 15,628 \$4,008.10	\$
Run Tims 1995-96 FUEL AND ELECTRICITY CO	Old Central Plant Chapel  DINSUMPTION  QUANTITY-CCF COST-\$ UNIT COST	0 0 0 0CT. 71,874 \$14,332.72 0.199	0 0 NOV. 124,967 \$26,664.34 0.213	0 0 DEC. 15,628 \$4,008.10 0.256	\$
Run Tims 1995-96 FUEL AND ELECTRICITY CO	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-3 UNIT COST CCF BTUS(X1000)	0 0 0 0 71,874 \$14,332.72 0.199 7,187,400	0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700	0 0 0 DEC. 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33	\$
Run Tims  1995-96 FUEL AND ELECTRICITY CC	Old Central Plant Chapel  DISUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL	0 0 0 71,874 \$14,332.72 0.199 7,187,400	0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700	0 0 DEC. 15,628 \$4,008.10 0.256 1,562,800 80,959	\$
Run Tims  1995-96 FUEL AND ELECTRICITY CC	Old Central Plant Chapel  DISUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$	0 0 0 71,874 \$14,332.72 0.199 7,187,400 0 \$0.00	0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88	0 0 0 DEC. 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33	\$ 3 \$2
Run Tims  1995-96 FUEL AND ELECTRICITY CC	Old Central Plant Chapel  DINSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST	0 0 0 71,874 \$14,332.72 0.199 7,187,400 0 \$0.00 0.0000	0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405	0 0 0 DEC. 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740	\$ 3 \$2 12
Run Tims  1995-96 FUEL AND ELECTRICITY CC GAS OHL	Old Central Plant Chapel  DISUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU QUANTITY-KWH	0 0 0 71,874 \$14,332.72 0.199 7,187,400 0 \$0.00 0.0000 0 7,187,400 924,000	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460	0 0 0 0 0 15,628 \$4,008.10 0.256 1,562.800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650	\$ 3 \$2 12
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OIL BTUS(X1000)  QUANTITY-BTU QUANTITY-KWH # BILLING DAYS	0 0 0 71,874 \$14,332.72 0.199 7,187,400 0 0.0000 0 0.0000 0 7,187,400 924,000 31	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30	0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650	\$ 3 \$2
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-BTU  # BILLING DAYS KWH PER DAY	0 0 71,874 \$14,332.72 0.199 7,187,400 0 0.0000 0.0000 0 7,187,400 924,000 31 29,806	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849	0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650	\$ 3 \$2 12
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OIL BTUS(X1000)  QUANTITY-BTU QUANTITY-KWH # BILLING DAYS	0 0 0 71,874 \$14,332.72 0.199 7,187,400 0 \$0.00 0.0000 0 7,187,400 924,000 31 29,806 \$41,541.30	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849 \$41,915.28	0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650 987,320 31 31,849 \$43,312.45	\$ 3 \$ 2 1 2
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-BTU  # BILLING DAYS KWH PER DAY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849 \$41,915.28	0 0 0 0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650 987,320 31 31,849 \$43,312.45 0.044	\$ 3 \$ 2 1 2
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849 \$41,915.28 0.044 1,776	0 0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650 987,320 31 31,849 \$43,312,45 0.044 1,776	\$ 3 \$2 12 16 \$4
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849 \$41,915.28	0 0 0 0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650 987,320 31 31,849 \$43,312.45 0.044	\$ 3 \$ 2 1 1 6 \$ 4 \$ \$ 4
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849 \$41,915.28 0.044 1,776	0 0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650 987,320 31 31,849 \$43,312,45 0.044 1,776	\$ 3 \$ 2 1 2 1 6 \$ 4 \$ 4 \$ \$ 1
Run Tims  1995-96 FUEL AND ELECTRICITY CC  GAS  OIL  TOTAL HEATING BTU (X100k)	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 NOV. 124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849 \$41,915.28 0.044 1,776 \$11,003.00	0 0 0 15,628 \$4,008.10 0.256 1,562,800 80,959 \$22,182.33 0.2740 12,143,850 13,706,650 987,320 31 31,849 \$43,312.45 0.044 1,776 \$11,369.81	\$ 3 \$ 2 1 2 1 6 \$ 4 \$ 4 \$ \$ 1
Run Tims  1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTIO # STEAM GENERATED	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ STUS(X1000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NOV.  124,967 \$26,664.34 0.213 12,496,700 328 \$78.88 0.2405 0 12,496,700 955,460 30 31,849 \$41,915,28 0.044 1,776 \$11,003.00 3,260,030 1,576 8,772,900	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 3 \$ 2 1 2 1 1 6 \$ 4 \$ 1 3
Run Tims  1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTIO # STEAM GENERATED BOILER EFFICIENCY (BTU STEAM/BT	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-BTU  QUANTITY-WH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ STUS(X1000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NOV.  124,967 \$26,664.34 0.213 12,496,700  328 \$78.88 0.2405 0  12,496,700  955,460 30 31,849 \$41,915.28 0.044 1,776 \$11,003.00 3,260,030  1,576  8,772,900 80.0%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 3 \$2 12 16 \$4
Run Tims  1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTIO # STEAM GENERATED	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-BTU  QUANTITY-WH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ STUS(X1000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 3 \$ 2 1 2 1 1 6 \$ 4 \$ 1 3
Run Tims  1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTIO # STEAM GENERATED BOILER EFFICIENCY (BTU STEAM/BT	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 3 \$ 2 1 2 1 1 6 \$ 4 \$ 1 3
Run Tims  1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTIO # STEAM GENERATED BOILER EFFICIENCY (BTU STEAM/BT HEATING DEGREE DAY - ACTUAL (M	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)  ON X 10MIL  TU FUEL MAC) MAC) New Central Plant	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 3 \$ 2 1 2 1 1 6 \$ 4 \$ 1 3
Run Tims  1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  **TOTAL CAMPUS BTU CONSUMPTIO**  # STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BT HEATING DEGREE DAY - ACTUAL (ACCOOLING DEGREE DEGR	Old Central Plant Chapel  ONSUMPTION  QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 3 \$ 2 1 2 1 1 6 \$ 4 \$ 1 3

1996-97 FUEL & ELECTRICTY CONSUME	TION				
COMMINISTRATION OF THE PROPERTY OF THE PROPERT	<u></u>	FEB	MAR	APR	MAY
GAS	QUANTITY-CCF	145,926	131,763	79,531	52,187
	COST-\$	\$41,494.11	\$25,949.29	\$16,174.57	\$12,108.04
	UNIT COST	0.284	0.197	0.203	0.232
	CCF BTUS(X1000)	14,592,600	13,176,300	7,953,100	5,218,700
#2 FUEL OIL	QUANTITY-GAL	0	0	0	0
	COST-\$	\$0.00	\$0.00	\$0.00	\$0.00
	UNIT COST	0.0000	0.0000	0.0000	0.0000
#6 FUEL OIL	QUANTITY-GAL	0	0	o	o
	COST-\$	\$0.00	\$0.00	\$0.00	\$0.00
	UNIT COST	0.0000	0.0000	0.0000	0.0000
	OIL BTUS(X1000)	o	o	o	o
TOTAL HEATING BTU (X100k)	QUANTITY-BTU(x1K)	14,592,600	13,176,300	7,953,100	5,218,700
ELECTRICITY	QUANTITY-KWH	1,135,139	1,036,800	972,000	1,072,800
Marketon B. 1 (1 do do d. )	# BILLING DAYS	28	30	30	33
	KWH PER DAY	40,541	34,560	32,400	32,509
	COST-\$	\$47,543.95	\$44,095.82	\$46,660.08	\$46,988.51
	UNIT COST	0.042	0.043	0.048	0.044
	QUANTITY KW	1,896	1,920	2,256	1,896
	COST-\$	\$11,320.00	\$10,867.20	\$12,768.96	\$10,731.36
	BTUS(X1000)	3,873,094	3,537,562	3,316,464	3,660,394
TOTAL CAMPUS BTU CONSUMPTION X	10MIL	1,847	7,671	1,127	888
STEAM GENERATED		12,169,200	11,673,700	7,675,000	2,932,600
BOILER EFFICIENCY (BTU STEAM/BTU F	UEL.	78.2%	79.0%	76.0%	77.0%
HEATING DEGREE DAY - ACTUAL IMAC		1,063	945	481	216
COOLING DEGREE DAY - ACTUAL (MAC	)	0	0	0	35
rollint:	New Central Plant	0	0	0	123
ในท	Old Central Plant	0	0	0	0
	LIBS CTTO BS	3			
		E .			
1995-96 FUEL AND ELECTRICITY CONS		J FEB.	MARCH	APRIL	MAY
describing to the second secon	QUANTITY-CCF	FEB. 84,366	<b>MARCH</b> 84,280	<b>APRIL</b> 90,722	MAY 33,710
netting measure processing and delicements of the control of the first processing and the control of the contro	QUANTITY-CCF	84,366	84,280	90,722	33,710
netting measure processing and delicements of the control of the first processing and the control of the contro	QUANTITY-CCF COST-\$	84,366 \$20,181.24	84,280 \$18,700.05	90,722 \$26,100.05	33,710 \$8,030.53
GAS	QUANTITY-CCF COST-\$ UNIT COST	84,366 \$20,181.24 0.239	84,280 \$18,700.05 0.222	90,722 \$26,100.05 0.288	33,710 \$8,030.53 0.238
GAS	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)	84,366 \$20,181.24 0.239 8,436,600	84,280 \$18,700.05 0.222 8,428,000	90,722 \$26,100.05 0.288 9,072,200	33,710 \$8,030.53 0.238 3,371,000
GAS	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000) QUANTITY-GAL	84,366 \$20,181,24 0.239 8,436,600 39,036	84,280 \$18,700.05 0.222 8,428,000 31,245	90,722 \$26,100.05 0.288 9,072,200	33,710 \$8,030.53 0.238 3,371,000
GAS	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000) QUANTITY-GAL COST-4	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00
GAS DIL	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST	84,366 \$20,181,24 0,239 8,436,600 39,036 \$18,007,18 0,4613	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000
GAS DIL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)	84,366 \$20,181.24 0.239 8,436,600 39,036 \$18,007.18 0.4613 5,855,400	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000
GAS DIL FOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OIL BTUS(X1000)  QUANTITY-BTU	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0
GAS DIL FOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OR BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH	84,366 \$20,181.24 0.239 8,436,600 39,036 \$18,007.18 0,4613 5,855,400 14,292,000 972,580	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000
GAS DIL FOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS	84,366 \$20,181,24 0,239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000 972,580 29	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41
GAS DIL FOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST ON BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY	84,366 \$20,181.24 0.239 8,436,600 39,036 \$18,007.18 0.4613 5,855,400 14,292,000 972,580 29 33,537	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419,94 0.4935 4,686,750 13,114,750 972,500 31 31,371	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719,41 0.053
GAS DIL FOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OR BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-4	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359,76 0,043 1,776	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992
GAS DIL FOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OR BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359,76 0,043 1,776 \$12,669,70	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229.44	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992 \$13,868.76
GAS DIL FOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OR BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-4 UNIT COST QUANTITY KW	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359,76 0,043 1,776	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992
GAS  DIL  TOTAL HEATING BTU (X100k)  ELECTRICITY	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST ON. BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-4 UNIT COST QUANTITY KW COST-4 BTUS(X1000)	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359,76 0,043 1,776 \$12,669,70	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229.44	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992 \$13,868.76
GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST ON. BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-4 UNIT COST QUANTITY KW COST-4 BTUS(X1000)	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0.4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359,76 0.043 1,776 \$12,669,70 3,318,443	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419,94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229,44 3,318,170	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28 3,234,201	33,710 \$8,030.53 0,238 3,371,000 0,0000 0,0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0,063 1,992 \$13,868.76 2,883,925
GAS  DIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X  # STEAM GENERATED	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359,76 0.043 1,776 \$12,669,70 3,318,443	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229.44 3,318,170	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28 3,234,201	33,710 \$8,030.53 0.238 3,371,000 0,000 0,0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992 \$13,868.76 2,883,925
GAS  DIL  FOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X  # STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BTU F	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-4 UNIT COST QUANTITY KW COST-4 BTUS(X1000)	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007.18 0,4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359.76 0,043 1,776 \$12,669.70 3,318,443 1,761 9,994,238	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229.44 3,318,170 <b>1,643</b> 7,865,832	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28 3,234,201 7,595,000	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992 \$13,868.76 2,883,925 625 2,355,000
GAS  DIL  FOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION X  # STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BTU F  HEATING DEGREE DAY - ACTUAL (MAC	QUANTITY-CCF COST-4 UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-4 UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-3 UNIT COST QUANTITY KW COST-4 BTUS(X1000)	84,366 \$20,181.24 0.239 8,436,600 39,036 \$18,007.18 0.4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359.76 0.043 1,776 \$12,669,70 3,318,443 1,761 9,994,238 78.2%	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419,94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229,44 3,318,170 7,643 7,865,832 75.0%	90,722 \$26,100.05 0.288 9,072,200 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28 3,234,201 7,595,000 77.0%	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992 \$13,868.76 2,883,925 625 2,355,000 87.0% 200 29
DIL  FOTAL HEATING BTU (X100k)  ELECTRICITY  # STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BTU F  HEATING DEGREE DAY - ACTUAL (MACCOOLING DEGREE DE	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OR BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)  100ML  UEL  New Central Plant	84,366 \$20,181,24 0.239 8,436,600 39,036 \$18,007,18 0,4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359,76 0,043 1,776 \$12,669,70 3,318,443 1,761 9,994,238 78,2% 1,275 0	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229.44 3,318,170 7,865,832 75.0% 1,155 0	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28 3,234,201 7,595,000 77.0% 608 0	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719,41 0.053 1,992 \$13,868.76 2,883,925 625 2,355,000 87.0% 200 29 0
GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OR BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	84,366 \$20,181.24 0.239 8,436,600 39,036 \$18,007.18 0.4613 5,855,400 14,292,000 972,580 29 33,537 \$41,359.76 0.043 1,776 \$12,669.70 3,318,443 1,761 9,994,238 78.2% 1,275 0	84,280 \$18,700.05 0.222 8,428,000 31,245 \$15,419.94 0.4935 4,686,750 13,114,750 972,500 31 31,371 \$43,473.70 0.045 1,920 \$11,229.44 3,318,170 7,865,832 75.0% 1,155 0	90,722 \$26,100.05 0.288 9,072,200 0 \$0.00 0.0000 0 9,072,200 947,890 30 31,596 \$43,714.81 0.046 1,920 \$11,740.28 3,234,201 7,595,000 77.0% 608 0	33,710 \$8,030.53 0.238 3,371,000 0 \$0.00 0.0000 0 3,371,000 845,230 31 27,265 \$44,719.41 0.053 1,992 \$13,868.76 2,883,925 625 2,355,000 87.0% 200 29

	UMPTION ************************************	YTD TOTAL
	<u> </u>	
SAS	QUANTITY-CCF	731,656
	COST-\$ UNIT COST	\$199,245.21 0.272
	CCF BTUS(X1000)	73,165,600
72 FUEL OIL	QUANTITY-GAL	7,503
	COST-\$ UNIT COST	\$5,605.12 0.0000
	0.000	0.4040
FG FUEL OIL	QUANTITY-GAL	171,889
	COST-\$	\$88,295.93
	UNIT COST OR. BTUS(X1000)	0.5137 26,826,267
TOTAL HEATING BTU (X100k)	QUANTITY-BTU(x1K)	99,991,867
ELECTRICITY	QUANTITY-KWH	11,983,679
	# BILLING DAYS	359
	KWH PER DAY	33,381
	COST-\$	\$559,179.31
	UNIT COST	0.047
	QUANTITY KW	24,648
	COST-\$	\$159,776.45
	BTUS(X1000)	40,888,313
TOTAL CAMPUS BTU CONSUMPTION	N X 10MIL	14,088
V STEAM GENERATED		74,432,215
BOILER EFFICIENCY (BTU STEAM/BT		74.8%
HEATING DEGREE DAY - ACTUAL (M		7,297
COOLING DEGREE DAY - ACTUAL (N		1,112
Chiller	New Central Plant	123
Pana	Old Central Plant	2,062
g==	Chamal	
Tims	Chapel	762
WWW.		
Tims 1995-96 FUEL AND ELECTRICITY CO		-
WWW.		762
1995-96 FUEL AND ELECTRICITY CO	INSUMPTION	762
1995-96 FUEL AND ELECTRICITY CO	INSUMPTION  QUANTITY-CCF	762  YTD TOTAL  566,632
1995-96 FUEL AND ELECTRICITY CO	OUANTITY-CCF COST-3	762  YTD TOTAL  566,632 \$132,952.33
1995-96 FUEL AND ELECTRICITY CO	QUANTITY-CCF COST-\$ UNIT COST	762  YTD TOTAL  566,632 \$132,952.33 0.235
1995-96 Fuel and Electricity Co	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200
1995-96 Fuel and Electricity Co	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000) QUANTITY-GAL	762  YTD TOTAL  566,632  \$132,952.33  0.235  56,663,200  232,839
1995-96 Fuel and Electricity Co	QUANTITY-CCF COST-3 UNIT COST CCF BTUS(X1000) QUANTITY-GAL COST-3	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27
1995-96 Fuel and Electricity Co	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850
1995-96 FUEL AND ELECTRICITY CO	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU QUANTITY-KWH	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU QUANTITY-KWH # BILLING DAYS	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU QUANTITY-KWH	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370 29,289
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU QUANTITY-KWH # BILLING DAYS KWH PER DAY	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370 29,289 \$531,950.66 0.049
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370 29,289 \$531,950.66
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370 29,289 \$531,950,66 0.049 22,704
1995-96 FUEL AND ELECTRICITY CO GAS ONL TOTAL HEATING BTU (X100k)	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200  232,839 \$78,824.27 0.3385 34,876,650 91,539,850  10,836,825 370 29,289 \$531,950.66 0.049 22,704 \$161,244.10 36,975,247
1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	762  VTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370 29,289 \$531,950,66 0.049 22,704 \$161,244.10 36,975,247
1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ EVEN BTUS(X1000)	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200  232,839 \$78,824.27 0.3385 34,876,650  91,539,850  10,836,825 370 29,289 \$531,950.66 0.049 22,704 \$161,244.10 36,975,247  12,852 66,271,070
1995-96 FUEL AND ELECTRICITY CO GAS  OIL  TOTAL HEATING BTU (X100k)  ELECTRICITY	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200  232,839 \$78,824.27 0.3385 34,876,650 91,539,850  10,836,825 370 29,289 \$531,950.66 0.049 22,704 \$161,244.10 36,975,247  72,852 66,271,070 75.8%
1995-96 FUEL AND ELECTRICITY CO  GAS  DIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION  # STEAM GENERATED  BOILER EFFICIENCY (BTU STEAM/BT  HEATING DEGREE DAY - ACTUAL (M	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ ETUS(X1000)	762  VTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850  10,836,825 370 29,289 \$531,950.66 0.049 22,704 \$161,244.10 36,975,247
1995-96 FUEL AND ELECTRICITY CO GAS  OIL  FOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION # STEAM GENERATED BOILER EFFICIENCY (BTU STEAM/BT	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ ETUS(X1000)	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370 29,289 \$531,950.66 0.049 22,704 \$161,244.10 36,975,247 72,852 66,271,070 75.8% 7,921
1995-96 FUEL AND ELECTRICITY CO GAS  DIL  TOTAL HEATING BTU (X100k)  ELECTRICITY  TOTAL CAMPUS BTU CONSUMPTION  STEAM GENERATED BOILER EFFICIENCY (BTU STEAM/BT HEATING DEGREE DAY - ACTUAL (N COOLING DEGREE DAY - ACTUAL (N	QUANTITY-CCF COST-\$ UNIT COST CCF BTUS(X1000)  QUANTITY-GAL COST-\$ UNIT COST OIL BTUS(X1000)  QUANTITY-BTU  QUANTITY-KWH # BILLING DAYS KWH PER DAY COST-\$ UNIT COST QUANTITY KW COST-\$ BTUS(X1000)  VX 10MIL  U FUEL IAC)	762  YTD TOTAL  566,632 \$132,952.33 0.235 56,663,200 232,839 \$78,824.27 0.3385 34,876,650 91,539,850 10,836,825 370 29,289 \$531,950.66 0.049 22,704 \$161,244.10 36,975,247 72,852 66,271,070 75.8% 7,921 859

1996-97 CONDENSATE BY BUILDING

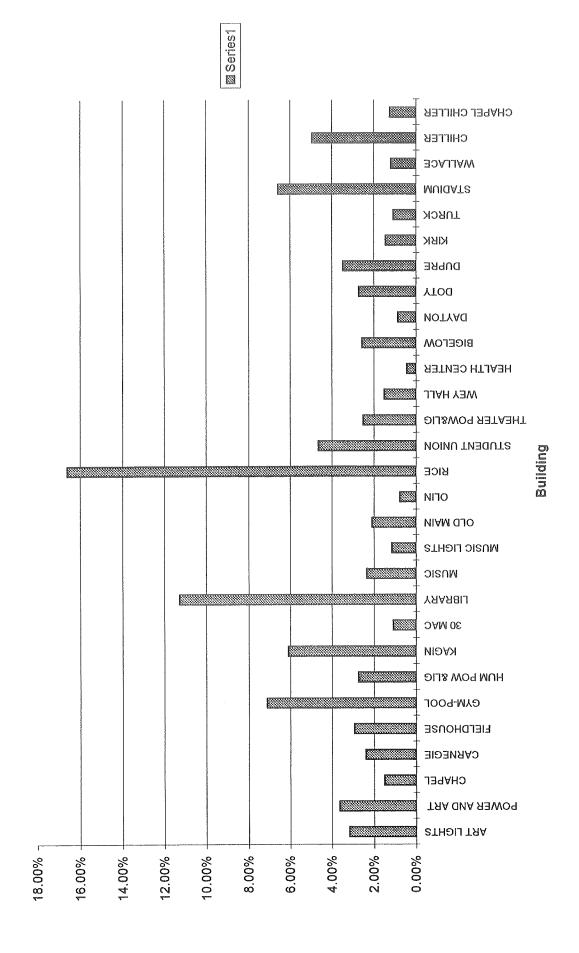


METER READINGS								SEP		00	
CONDENSATE	MAY		Z		Ę	AUG	o <del>wow!ó</del>	0/0		100/F	anners de
PER BUILDING	READING	***************************************			,,	READING	UNITS	READING	STIND	READING	SLS
ART & POWER PLANT	400,280	0	ο	O	O	0	0	413,310	13,030	427,850	14,540
CARNEGIE	1,699,990	0	0	0	0	0	0	6,550	6,550	15,350	11,555
CHAPEL	1,315,700	O	Ö	O	0	0	0	1,321,490	5,790	1,330,070	8,580
FIELDHOUSE	3,795,050	0	0	0	0	0	0	3,819,430	24,380	3,848,400	28,970
GYM	116,560	0	o	O	0	Φ	0	116,590	30	117,240	950
HUMANITIES	3,150,850	0	0	0	0	0	0	3,156,720	5,870	3,169,210	12,490
KAGIN	284,510	o	O	O	o	0	0	320,940	36,430	346,450	25,510
LIBRARY	19,567,775	0	0	0	0	0	0	19,644,793	77,018	19,770,560	15,153
MUSIC	3,233,830	0	0	o	O	o	0	3,235,630	4,800	3,238,720	13,090
OLD MAIN	163,680	0	0	0	0	0	0	166,210	2,530	170,740	6,826
OLIN	3,879,990	O	Φ	0	O	0	0	0	O	0	0
POOL	2,883,180	0	0	0	0	0	0	2,905,910	22,730	2,924,020	18,110
RICE	0	O	O	0	Φ	0	0	43,800	43,800	126,300	82,500
STUDENT UNION	330,340	0	0	0	0	0	0	348,060	17,720	373,900	25,840
THEATER	2,390,010	O	O	O	O	O	0	2,394,880	4,870	2,406,300	11,420
WEYER HALL	1,250,130	0	0	0	0	0	0	6,540	6,540	16,530	9,990
BIGELOW	181,760	0	O	0	O	0	0	7,350	7,350	18,800	11,450
DAYTON	546,000	0	0	0	0	0	0	551,610	5,610	555,070	15,915
DOTY	967,820	0	0	0	0	0	0	990,310	22,490	1,012,190	21,880
DUPRE	410,510	0	0	0	0	0	0	431,500	20,990	449,360	17,860
KIRK	3,418,840	0	O	0	0	O .	0	3,430,360	11,520	3,445,780	15 420
TURCK	805,370	0	0	0	0	0	0	833,640	28,270	860,140	26,500
WALLACE & 30 MAC	3,766,280	o	O	O	Ø	O	0	3,842,120	75,840	3,867,300	25,180
DISTRICT HEATING	1,585,730	0	0	0	0	0	0	1,589,220	3,490	1,597,420	8,200
NEW RESIDENCE HAL	0	0	Q	O	O	0	0	0	¢.	Ö	O
							0		446,648		427,629

METER READINGS	Š		DEC		ZZ		œ W	a Godellebrenne
CONDENSATE	12/04		1/7/97		2/3		w w	
PER BUILDING	READING	SIND	READING	STINO	READING	UNITS	READING	CNITS
ART & POWER PLANT	480,590	52,740	089'199	70,890	661,400	109,820	767,500	106,100
CARNEGIE	46,020	30,670	81,910	14,009	114,220	32,310	140,990	26,770
CHAPEL	1,351,280	21,210	1,380,510	29,230	1,405,880	25,370	1,425,990	20,110
FIELDHOUSE	3,907,780	59,380	3,979,700	71,920	4,060,660	096'08	4,113,090	52,430
פאש	119,030	1,790	121,690	2,660	124,330	2,640	125,800	1,470
HUMANITIES	3,203,710	34,500	3,246,480	42,770	3,286,080	39,600	3,322,220	36,140
KAGIR	418,270	50,362	489,220	70,950	526,330	37,110	638,010	111,680
LIBRARY	20,046,054	33,192	20,458,624	49,707	20,820,621	43,614	21,108,571	34,693
Music	3,243,450	34,070	3,254,460	51,010	3,272,230	37,770	3,276,710	34,480
OLD MAIN	182,520	7,051	196,440	1,677	221,360	24,920	241,590	20,230
OCIN	0	a	O	73,967	O	0	0	0
POOL	2,960,520	36,500	3,008,620	48,100	3,062,460	53,840	3,109,800	47,340
RICE	402,500	276,200	751,800	349,300	1,108,270	356,470	1,333,650	225,380
STUDENT UNION	418,670	44,770	476,540	57,870	526,330	49,790	572,140	45,810
THEATER	2,440,330	34,030	2,485,790	45,460	2,522,800	37,010	2,556,670	33,870
WEYER HALL	42,320	25,790	74,230	31,910	107,200	63,308	133,980	26,780
BIGELOW	51,740	32,940	099'96	43,920	141,090	45,430	181,070	39,980
DAYTON	559,190	4,120	585,460	26,270	086'609	34,500	620,670	10,740
DOTY	1,072,150	096'69	1,099,610	27,460	1,103,520	79,448	1,111,640	8,120
DUPRE	462,860	13,500	566,700	103,840	662,520	95,820	751,360	88,840
KIRK	3,481,450	35,670	3,525,790	44,340	3,569,070	43,280	3,583,890	14,820
TURCK	911,560	51,420	981,870	70,310	1,048,810	66,940	1,122,140	73,330
WALLACE & 30 MAC	3,913,470	46,170	3,968,720	55,250	4,021,670	62,950	4.079,910	58,240
DISTRICT HEATING	1,621,360	23,940	1,652,280	30,920	1,672,670	20,390	1,688,830	16,160
NEW RESIDENCE HAL	O	0	O.	0	80,400	80,400	169,000	88,800
		1,009,975		1,413,840		1,433,290		1.00 0.00 0.00 0.00

METER READINGS	MAR		ልያ	-assessiner	MAY			% USE
CONDENSATE	4/2		n/n	27) (27) (27)	6/7		TOTAL	PER
PER BUILDING	READING	STIND	READING	UNITS		UNITS		BUILDING
ART & POWER PLANT	833,980	72,480	892,790	52,810	909,840	17,150	509,860	5,64%
CARNEGIE	158,220	17,230	170,160	11,940	174,380	4,220	154,254	2.01%
CHAPEL	1,439,190	13,200	1,449,650	10,460	1,454,730	5,080	139,030	1.81%
FIELDHOUSE	4,149,230	36,140	4,180,410	31,180	4,197,200	16,790	402,150	5.24%
GYM	128,670	870	126,940	270	126,940	0	10,380	0.14%
HUMANITIES	3,345,120	22,900	3,365,220	20,100	3,374,190	8,970	223,340	2.91%
KAGIR	689,380	26,300	737,360	47,980	763,130	25,770	432,092	E.63%
LIBRARY	21,335,824	27,380	21,535,483	24,055	21,643,993	13,073	317,885	4.14%
MUSIC	3,278,270	21,550	3,279,520	21,250	3,280,620	8,100	226,130	2,95%
OLD MAIN	253,760	5,505	262,700	8,940	266,160	3,460	81,139	1.06%
Nito	O	Q	0	0	0	a	73,967	0.96%
POOL	3,145,940	28,574	3,184,040	38,100	3,199,860	15,820	309,114	4.03%
RICE	1,514,000	180,350	1,646,900	132,300	1,705,500	58,600	1,705,500	22.23%
STUDENT UNION	006'609	37,760	644,850	34,950	653,160	8,310	322,820	4.21%
THEATER	2,580,590	23,920	2,600,210	19,620	2,608,050	7,840	218,040	2.84%
WEYER HALL	153,260	19,280	168,680	15,420	175,420	6,740	205,758	2.68%
BIGHOW	208,010	26,940	227,930	19,920	235,280	7,350	235,280	3.07%
DAYTON	629,930	9,260	635,820	068′9	639,130	3,310	115,615	1.51%
DOTY	1,134,910	23,270	1,167,410	32,500	1,183,160	15,750	290,878	3,70%
DUPRE	811,970	60,610	855,910	43,940	875,190	19,280	464,680	6.06%
KIRK	3,512,290	28,400	3,645,860	33,570	3,656,570	10,710	237,730	3.10%
TURCK	1,180,510	58,370	1,221,250	40,740	1,231,200	9,950	425,830	6.55%
WALLACE & 30 MAC	4,133,290	53,380	4,192,350	59,060	4,215,870	23,520	449,590	5.86%
DISTRICT HEATING	1,698,871	10,041	1,704,520	5,649	1,706,390	1,870	120,660	1.57%
NEW RESIDENCE HAL	217,800	48,800	217,800	0	240,700	22,900	240,700	00.14.96
		803,720		711,244		291,663	7,671,523	Esota

1996-97 Electrical Consumption By Building



Page 1

YEAR 1996-97 METER TYPE: ELECTRIC

	Read Date:	1/1	Read Date:	8/7	Read Date:	9/6	Read Date:	10/16	Read Date:
LOCATION	ann a	SUN TOTAL	733	JUL TOTAL	AUGUST	AUG TOTAL	S E	SE TO	00000000000000000000000000000000000000
ART LIGHTS	89710	24360	91083	27460	92357	25480	94556	43980	95632
POWER AND ART	43933		47128		49855	81810	50808	43890	51286
CHAPEL	68375	21030	68333	28740	70093	22800	70781	20640	70999
CARNEGIE	15381	16830	16012	18930	16510	14940	17674	34920	18203
FIELDHOUSE	15436	25800	16347	27330	17501	34620	18161	19800	18631
GYM-POOL	89524			81600	91000	00099	91963	96300	92396
HUM POW &LIG	50352	23100	51230	26340	51931	22530	53415	43020	54037
KAGIN	40014		40977	7 57780	42018	62460	43633	00696	44330
30 MAC	7399	9030	8168	11392.5	10180	9465	12306	15945	43302
LIBRARY	2817	100160	3189	119040	3490	96320	3997	162240	4218
MUSIC	54610	14840	65786	3 23520	66826	20800	68432	32120	66238
MUSIC LIGHTS	78935	0006	79471	10720	79899	8560	80711	16240	81104
OLD MAIN	72971	16560	73821	17000	74503	13640	75798	25900	: ¥ : 60 : 60 : 60 : 60 : 60 : 60 : 60 : 60
OLIN	0					0	0	0	0
RICE	341137	154183	506926	166789	680374	173448	917727	237353	1024382
STUDENT UNION	14288	31960		-	16187	35520	17706	60760	18349
THEATER POWALIG	75484	16420	76378	17880	77233	17100	79137	38080	79968
WEY HALL	55755		56535			13000	58212	20540	58660
HEALTH CENTER	52861	3652.5	53576	5 5362.5	54258	‡ 5115	55048	5925	00 de
BIGELOW	32273	15480	32568			17040	33422	34200	33684
DAYTON	17071	4065	77368	3 4455	77649	4215	78655	15090	70 120 20 120
DOTY	22069				2		25087	41400	25716
DUPRE	7409	19800	7959	3 22000	8485	21040	9887	56080	30852 30852
ZEX	2895	2880		7 4000	2948	4480	3071	19680	3136
TURCK	98068	6135	58233	3 6975	988906	5595	134	18420	2.2
STADIUM	68952	•		19300	69370	22500	69928	55800	70512
WALLACE	61478	5085	62325	5 6352.5	63068	5572.5	65581	18847.5	668 88 88
CHLLER	69471	119800	74676	3 208200	78864	167520	79498	25360	79503
CHAPEL CHILLER	23582	33720	24855	5 50920	25933	43120	26160	9080	26179
- V				6. QT. QC.		2. 7.0.0 4.0.0		a S S S S S S S S S S S S S S S S S S S	
14 O 1900		7							
MAIN METER		727,680		1,204,800		891,200		1,070,400	
% OF MAIN METER		139.15%		96.21%	.0	149.80%		122.25%	

YEAR 1996-97
METER TYPE: ELECTE

METER TYPE: ELECTRIC	č r		20/02	Read Date:	1/7/97	Read Date:	2/3	Read Date:	w 10
LOCATION	OCT TOTAL	NOVEMBER	NOV TOTAL	DECEMBER	DEC TOTAL	JANUARY	JAN TOTAL	FEBRUARY	m 0 0 4
ABT 1.ISUTE	21520	97453	36420	99277	36480	100839	31240	102656	36340
DOWED AND ADT	7560	52005	21570	53014	30270	53902		54608	21180
CLANDER AND AN I	9840	71342	10290	71678	10080	72113	13050	72469	0890;
CARTE	15870	19047	25320	19913	25980	20693	29970	21699	30180
CANALOIL Efficialise	14100	19661	30900	20319	37740	22062	34290	23453	41730
SYM-POOL	43300	93055		93819	76400	94523	70400		
HIM DOW SILE	18660	54955		55942	29610	56718	1 23280	67769	
NOOTH NOOTH NEW YORK	41820			46388	57720	47413	61500		58140
CAME	7470			16390	11557,5	17718	0986	19357	12292.8
**************************************	70720			4972		5315		5730	132800
Miteic	15940			71500	22100	73077	31540	74424	26940
MINISTER LIGHTS	7860			82327	12260	82934	12140		·
MOTO PROPERTY	11480			79025	29780	80182	23140	81596	28280
	0			0	0				0
פונים	108888	120981	18553	1397574	187659	1547569	149995	1709865	162296
ATIOENT INION	25720		107200	20545	44960	21625			
THEATER POWERING	18840			82855	26920	84283	28560	85796	30200
WEV HALL	0968			60242	16620	61080		0 61978	17960
MEAT THE CENTER	2872.5			56817	5415	57449	4740	5 58112	4972.03
RGELOW	15720				33240	35258	31680		
SANTON	7110		10575	80406	8580	81014			
JOTY II	18870					28408			
DIPRE	26600		42400	12581	38760	13482	36040	***	#2960
KIRK	10400	3271	21600	3390	19040	3536	23360		
TIBOK	8700	1591	13155	2304	10695	3018	10710	3917	2.3.4.00 4.00 7.00 7.00 7.00
STADIUM	58400	7	114400	72904	124800	,	67		~
WALTACE	9277.5	68903	15637.5	70850	14602.5	72518	13260	3   74777	16/92.5
	200			79503	0	79503		0 79503	0
CHAPEL CHILLER	760		1120	26239	1280	26266	)80:	5 26294	1120
SUBTOTAL	599,725		1,091,693		1,063,139		00 L/, E	10	
MAIN METER	000'096		998,400		1,039,898		1,074,562	<b>~</b> 5	#
% OF MAIN METER	62.47%	√o.	109.34%	. 0	102.23%	√o.	92:28%	*	80.00

YEAR 1996-97 METER TYPE: ELECTRIC

Read Date: 5/5
APRIL APR TOTAL 3/28 MAR TOTAL Read Date: LOCATION

Read Date: 6/1
MAY TOTAL ANNUAL TOTAL

POWER AND ART         55088           CHAPEL         72746           CARNEGIE         24558           CARNEGIE         24558           GYM-POOL         95938           HUM POW &LIG         58622           KAGIN         49374           30 MAC         20728           LIBRARY         6046           MUSIC         1GHTS         84158           OLD MAIN         0           DIC         1663717	8310 22680 33150 63200 5280 55380 10120 17940 11940	55696 73127 23427 25683 96722	18240	56313	18510	182,526	3.65%
SEE	8310 22680 33150 63200 25890 101120 17940 11000	73127 23427 25688 96722	11430	73462	18935	182,525	1,51%
is is is in the second of the	22680 22680 63200 5380 101120 11000 11000	23427 25688 96722	) ) )				
is is in the second of the sec	22680 33150 63200 63200 55380 101120 11000 11000	23427 25688 96722	~ ~ ~ ~ ~	00,70	0 4 0 11 0	T C C C C	7007 6
SE (* &LIG	33150 63200 25890 55380 101120 17940 11000	25688 96722 50753	29160	24169	01867	Z3C,000	V.10 /0
W WELLIG	63200 25890 10282 5 101100 11940	96722	33300	26421	21937	355,297	& 60 60 61
GHTS	25890 55380 101282 10120 17940 11000	E2002	78400	97349	62700	858,700	7.09%
GHTS	101120 17940 11000	1 7 1 2 2 2 2	34050	50617	25800	331,050	2.73%
GHTS	10282 5 101120 17940 11000	50585	72660	51467	52920	736,800	%60.9
GHTS	101120 17940 11000 22220	22887	13792 5	23816	9367,5	132,158	1,09%
LIGHTS	11000	6474	136960	6767	93760	1,364,150	11.27%
LIGHTS	11000	78740	27780	78130	28400	285,240	2.86%
S 1 2	22220	84881	14460	85394	10260	138,180	1.14%
	2	83973	25320	84838	17300	253,900	2,10%
186371		С	C	0	0	92,560	0.76%
	CH857*	203556	181849	2196597	161031	2,008,648	16.60%
NO INC.	37200	25039	50120	25911	34880	561,200	4.64%
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	87980	88708	260	89879	23420	304,320	2,51%
2	15040	63581	17020	64236	13100	182,950	1.51%
		59107	3367.6	59317	1575	62,073	0.43%
DICTION		36838	30540	37178	20400	309,780	2.56%
		8323	12615	83739	7860	104,085	0.86%
DATION SOLD		31289	32490	32089	27600	327,450	2.70%
	35280	16616	47120	17388	30880	418,950	3.48%
	18240	3901	19200	3972	11360	175,200	1.45%
ä	10545	5678	15870	6296	9270	129,555	1,07%
7	74300	76498	55800	76734	23600	796,000	6.57%
-	\$2802 B	78518	15255	79746	9210	142,095	1.17%
	0	83	83	74779	74696	898,889	4.92%
CHITER	87	26350	1240	26485	5400	149,840	1,24%
	88		1,019,982		870,328	12,106,985	4

101.03%

81.18%

104.94%

85.77%

% OF MAIN METER

MAIN METER

1,036,800

972,000

11,983,879

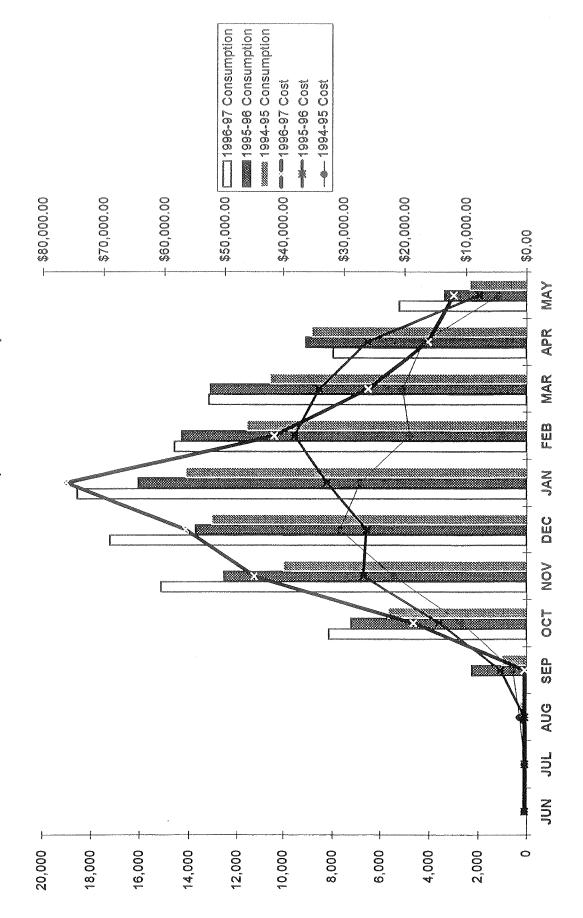
1,072,800

### MACALESTER COLLEGE MONTHLY ENERGY BUDGET REPORT JUNE 1996 - MAY 1997

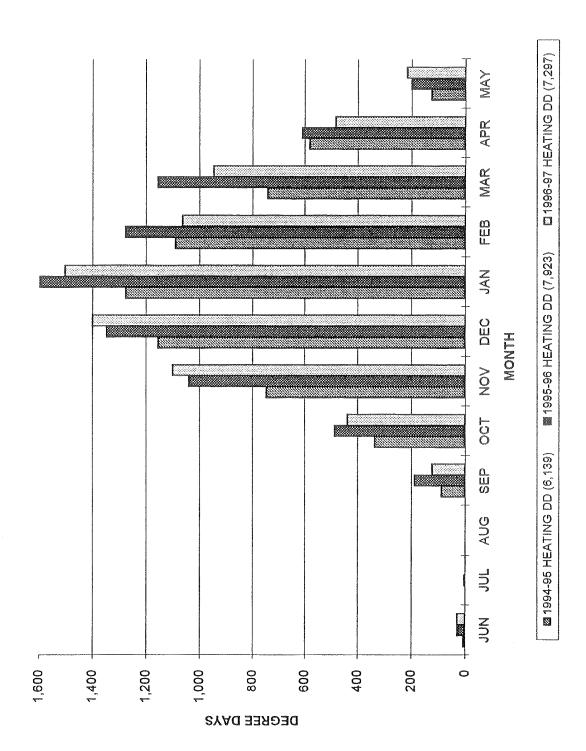
			BUDGETED	BUDGETED	ESTIMATED	ESTIMATED
ENERGY	QUANTITY		CONSUMPTION	TOTAL	TOTAL	TOTAL
TYPE	CONSUMED	EXPENDITURE	(BTUs/KWH)	EXPENDITURE	CONSUMPTION	EXPENDITURE
	6/1/96	6/1/96	6/1/96	6/1/96	6/1/96	6/1/96
	5/31/97	5/31/97	5/31/97	5/31/97	5/31/97	5/31/97
		E DE LE CONTRACTOR DE LA CONTRACTOR DE L				
GAS (CCF)	731,656	\$199,245.21				
OIL (GAL.)						
#6	171,889	\$88,295.93				
#2	7503	\$5,605.12				ZZZZZODA
		2.000				
TOTAL BTUs	99,991,867	\$293,146.26	90,000,000	\$237,500.00	99,991,867	\$293,146.26
(* 1,000)						
		Activities and the second				
ELEC. (KWH)	11,983,679	\$559,179.31	11,000,000	\$522,700.00	11,983,679	\$559,179.31
		Continue				
		000000000000000000000000000000000000000				
TOTAL		POTENTIAL				
EXPENDED	111111111	\$846,720.45	111111111	\$760,200.00	////////	\$852,325.57

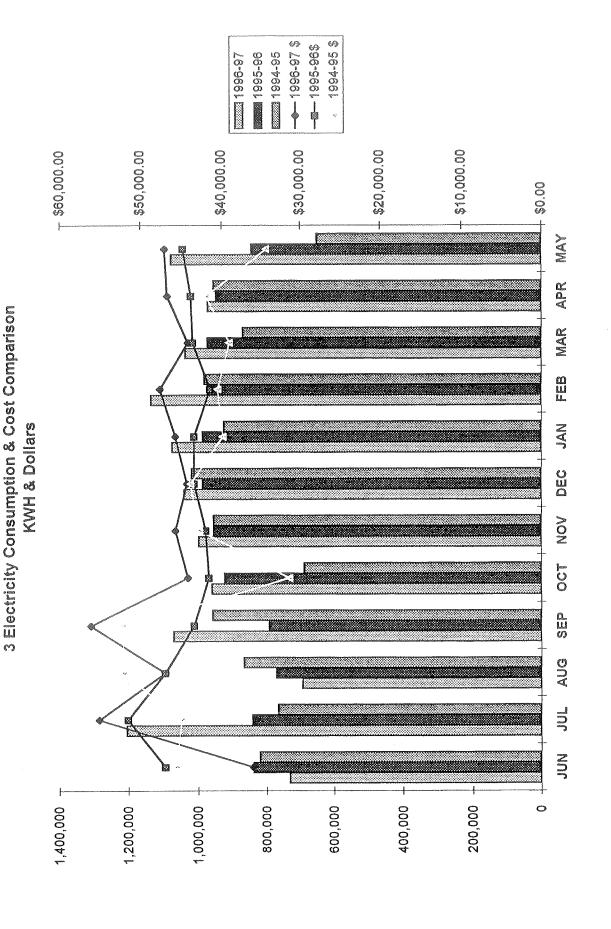
	VARIANCE: BUDGT VS EST	(\$92,125.57) =======
FUEL VARIAN	CONSUMPTION	\$26,367.43
TOLL VARIAN	PRICE	\$29,278.83
	SUB-TOTAL	\$55,646.26
ELEC VARIAN	CONSUMPTION	\$46,742.64
ELEC VANIAI	PRICE	(\$10,263.33)
	SUB-TOTAL	\$36,479.31
	TOTAL FUEL AND ELEC VARIANCE	\$92,125.57

3 Year Fuel Consumption & Cost Comparison



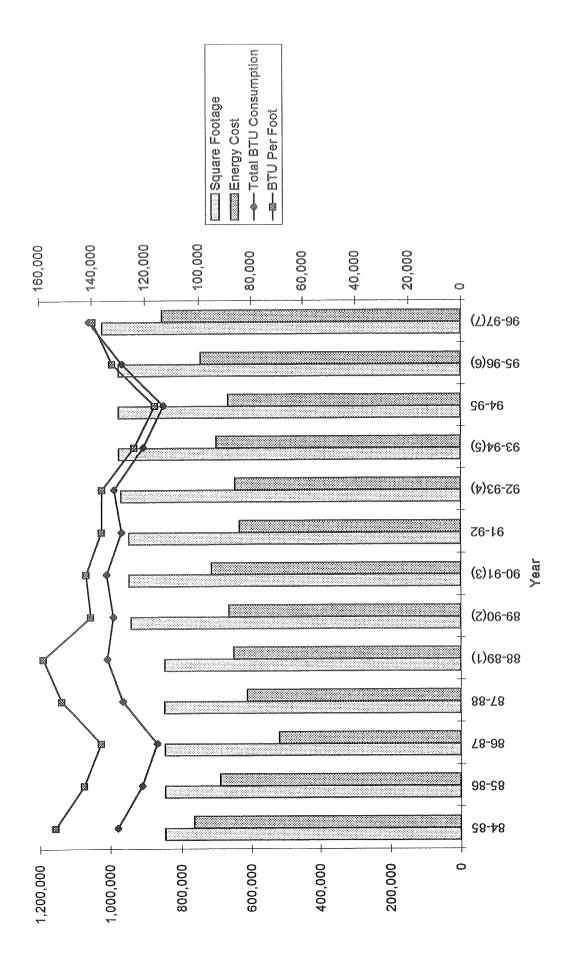
Page 1





Page

Square Footage, Costs & Consumption



Page

overvorestiennesvoumpoude bittelijakinkespen			enyoosparokiilasaksi istaataa ka k	ENERGY CO 1984/	ENERGY CONSUMPTION 1984/85-1996/97	NATIONAL CONTRACTOR OF THE PROPERTY OF THE PRO		CELTRA MENTAL PROPERTY OF THE	ONEXTREMENTAL PRINCIPAL PR			
		BTUs	TOTAL	급		TOTAL	ELECT	TOTAL	TOTAL	o A A	<u>⊃</u>	COST
YEAR	ACTUAL	CONSUMED	II II	COST	I Š	ELECTRIC	COST	SOUARE	2 8	5	CONSUMP	ů Q
	DEGREE	×1,000,000	COST	A HILL	CONSUMED	COST	PER	ᇤ	CONSUM	COST	PER FOOT	X1000 X
	DAYS			100k BTU			KWH		(X1000k)			BTUs
84-85	7,632	100,514	\$401,058	0.3990	8,767,200	\$364,038	0.042	846,365	130,428	\$765,096	154,103	\$5.8661
85-86	7,852	91,852	\$328,917	0.3581	8,611,200	\$361,161	0.042	846,365	121,233	\$690,078	143,240	\$5.6921
86-87	6,238	86,956	\$186,058	0.2140	8,407,200	\$330,664	0.039	846,365	115,641	\$516,722	136,633	\$4,4683
87-88	7,138	98,071	\$235,637	0.2403	8,894,600	\$376,025	0.042	846,865	128,419	\$611,662	140,181	\$4.7630
88-89(1)	7,817	100,426	\$231,792	0.2308	000'006'6	\$418,470	0.042	846,365	134,205	\$650,262	158,566	\$4.8453
89-90(2)	8,181	99,062	\$232,017	0.2342	9,614,400	\$431,765	0.045	938,865	131,866	\$663,782	140,453	\$5.0337
90-91(3)	7,795	98,739		0.2549	10,459,200	\$463,053	0.044	944,865	134,426	\$714,724	142,270	\$5.3169
91-92	7,915	92,268		0.1732	10,699,200	\$473,973	0.044	944,865	128,774	\$633,743	136,288	\$4.9214
92-93(4)	7,296	95,977		0.1744	10,420,800	\$480,192	0.044	966,865	131,533	\$646,026	136,040	\$4.9115
93-94(5)	7,098	85,173	\$212,107	0.2231	10,384,173	\$487,722	0.047	972,865	120,604	\$699,829	123,968	\$5.8027
94-95	6,139	77,444	\$155,667	0.1637	10,454,200	\$509,883	0.049	972,865	113,140	\$665,550	116,296	\$5,8825
92-36(6)	7,921	91,589	\$211,776	0.2227	10,836,825	\$531,951	0.049	972,865	128,564	\$743,726	132,149	\$5.7849
96-97(7)	7,297	99,991	\$293,146	0.3083	11,983,679	\$559,179	0.049	1,018,615	140,880	\$852,326	139,404	\$5.8647
												NO CONTRACTOR AND CON

Carnegie Hall renovated--a/c added along with more usable area.

Rice renovation under way-construction heat throughout the year. Rice operational with new mechanical systems, Olin's construction heat supplied by gas kiln meter--not reflected in this report. Library built and on line.
 Weyerhaeuser Hall renovated--a/c added.
 Carnegie Hall renovated--a/c added along with more
 Humanities renovated--additional space and a/c.
 Old Main renovated-additional space and a/c.
 Rice renovation under way--construction heat throu
 Rice operational with new mechanical systems, Olir