#### APPENDIX A: MONTHLY ENERGYWISE REPORT



# Energywise Report July 1999



# The EMSup says that during this month on Main Campus and Lynnwood Campus...

The Maximum Demand was The Total Energy Consumed was 10 269 kVA 4 779 631 kWh

#### THE TOP 10 CONTRIBUTORS TO THE COST OF ELECTRICITY WERE.....

Rating	Group	Cost Contribution
1st	Women's Hostels	R 132,197.73
2 <sup>nd</sup>	Men's Hostels	R 104,349.18
3 <sup>rd</sup>	Merensky Library	R 62,518.89
4 <sup>th</sup>	Chancellor's Building	R 56,113.54
5 <sup>th</sup>	Human Sciences Building	R 55,443.18
6 <sup>th</sup>	Nature Sciences I Building	R 55,175.23
7 <sup>th</sup>	Engineering Tower	R 52,261.19
8 <sup>th</sup>	Education and Law Building	R 50,692.32
9 <sup>th</sup>	Agricultural Sciences Building	R 42,756.05
10 <sup>th</sup>	Heavy Machine Laboratory	R 32,367.62

# 

% Contribution to the overall Electricity Account

# The Pretoria City Council says that during this month...

#### ON MAIN CAMPUS

The Maximum Demand was The Total Energy Consumed was 8 120 kVA 3 690 566 kWh

#### ON LYNNWOOD CAMPUS

The Maximum Demand was The Total Energy Consumed was 2 770 kVA 1 088 850 kWh

#### THE COMBINED ACCOUNT OF MAIN CAMPUS AND LYNNWOOD CAMPUS

The Maximum Demand was

10 270 kVA

@ R44.95/kVA = R 461,636.50

The Total Energy Consumed was

4 779 416 kWh

@ 8.76 c/kWh = R 418,676.84

R 880,313.34

#### THE SAVINGS DUE TO DIVERSITY

620 kVA

@ R44.95/kVA = R 27,869.00

THIS REPORT WAS PREPARED BY THE CENTRE FOR NEW ELECTRICITY STUDIES
.....home of the EMGup System
VISIT OUR WEBSITE FOR MORE INFORMATION
http://snesweb.ee.up.ac.za

#### APPENDIX B: MONTHLY HOSTELWISE REPORT



# Hostelwise Report July 1999



# The Separate Hostel benchmarks for this month are...

Hostel	Cost per Student per Month (R/Student/Month)	Energy per Student per Month (kWh/Student/Month)
Katjiepiering	R 61.73	357.31
Maroela	R 61.73	357.31
Mopanie	R 61.73	357.31
Kollege	R 58.16	347.13
Taaibos	R 58.16	347.13
Boekenhout	R 63.03	345.10
Olienhout	R 63.03	345.10
Klaradyn	R 58.13	299.65
Jasmyn	R 58.13	299.65
Erika	R 58.13	299.65
Asterhof	R 58.13	299.65
Madelief	R 58.13	299.65
Nerina	R 58.13	299.65
Magrietjie	R 58.13	299.65
Tuksdorp	R 58.13	299.65

These benchmarks are based on the energy consumption and contribution to the system maximum demand for each hostel at sub-station level (hence the duplicate values in the table above). The security lighting and kitchens are also taken into account in the calculation of these benchmarks and the actual occupancy for the month is used.

#### The Average Hostel benchmarks for this month are...

Tukking Hostel Average	R 59.72	323.07	$\neg$
Tukkies Hostel Average	n 59.72	323.07	

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#### APPENDIX C: COMPACT FLUORESCENT LAMP POSTER

# SAUE Money & Energy



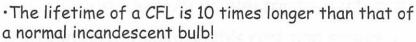
With

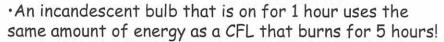
CFL'S



# **Compact Fluorescent Lamps**

 $\cdot$ The initial cost of a CFL is 20 times that of an incandescent lamp.







· A 20 Watt CFL produces the same amount of light as a 100 Watt incandescent bulb!



•Replacing a 100 W incandescent bulb with a CFL will pay for itself within one and a half years!





# Isn't that a bright idea!

For more information on this and other energy management information please contact us at the Centre for New Electricity Studies (012) 420-2059/2587.

#### APPENDIX D: HOSTEL INFORMATION POSTER

# DID YOU KNOW...

that the electricity on Campus has cost us R5,358,498 since January this year alone!

THE HOSTELS ARE THE LARGEST END-USER GROUP ON CAMPUS AND CONTRIBUTE

29.67%
TO THE TOTAL COST



In fact, each student residing in the hostels uses nearly R70 of electricity each month!

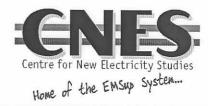
Help us to minimise this cost and ensure a better, cost reflective, service to you through improved comfort with higher reliability!

- © Report all leaking taps and broken lights to the one-stop service at \$\mathbb{O}420 2244 \text{ or } \mathbb{O}420 2301 \text{ or } \mathbb{O}420 2042
- Don't leave your lights on in your room when you go out
- © Turn off your appliances such as hi-fi and computer when you go out
- On't stand in the shower for hours it wastes electricity and water
- Don't overfill your kettle if you need a mug-full, only boil a mug-full
- © Rather use an electric blanket than a heater it's healthier too

# LETS WORK TOGETHER TO MAKE OUR CAMPUS YOUR HOME-AWAY-FROM-HOME!

For More Information Contact us at the Centre for New Electricity Studies

Prof Johan Delport (012) 420 2587 James Calmeyer (012) 420 2059 Chris Fourie (012) 420 2274 http://snesweb.ee.up.ac.za



#### APPENDIX E: COMPUTER EFFICIENCY POSTER

#### DID YOU KNOW...

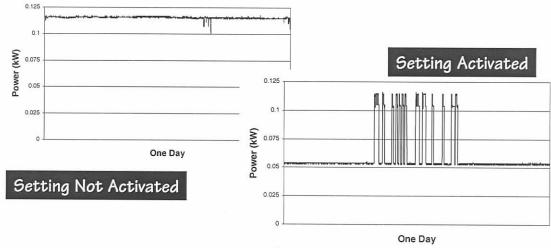
that activating the "low power standby" setting on your computer could reduce the energy consumption by



### SEE THE RESULTS FOR YOURSELF...







In this specific case the electricity cost for the month was reduced by nearly R4.00. This may not seem much... but when multiplied by the number of computers on Campus the saving potential is awesome!

#### LETS WORK TOGETHER TO MAKE OUR CAMPUS ENERGY EFFICIENT!

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