

March 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 165 301
Geological Ext. Science Building	R 53 879
Isaac Albow Building	R 847
Rachel Bloch House	R 225
Monthly Energy Usage	
Student Union Ext. and Otto Beit	166 892 kWh
Geological Ext. Science Building	59 980 kWh
Isaac Albow Building	708 kWh
Rachel Bloch House	27 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	55 kWh/m ²
Student Union Ext. and Otto Beit	22 kWh/m ²
Isaac Albow Building	1 kWh/m ²
Rachel Bloch House	0 kWh/m ²
Monthly Cost per Square Meter	
Geological Ext. Science Building	56 R/m ²
Burnage	32 R/m ²
Beattie Block	7 R/m ²
Maintenance Building	4 R/m ²
Monthly "Night" Time Energy Usage	
Bremner Building	100%
Geological Ext. Science Building	98%
Educare and Extension Building	35%
Rachel Bloch House	2%
Change in Month-on-Month Energy	
Old Administration Building	56%
Bremner Building	39%
Maintenance building	-7%
Rachel Bloch House	-28%
Maximum Demand	
Student Union Ext. and Otto Beit	475 kVA
Geological Ext. Science Building	148 kVA
Isaac Albow Building	3 kVA
Rachel Bloch House	2 kVA
Change in Month-on-Month Maximum Demand	
Harry Oppenheimer Institute	28%
Cottage & Glenara	18%
Geological Ext. Science Building	-28%
Rachel Bloch House	-40%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 278 708
PD Hahn	R 246 584
AC Jordan Building 2	R 1 085
Lovers Walk Houses	R 352
Monthly Energy Usage	
Molecular	317 117 kWh
PD Hahn	277 176 kWh
Lovers Walk Houses	296 kWh
AC Jordan Building 2	155 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	61 kWh/m ²
Computer Science	29 kWh/m ²
Geological Science Building	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	91 R/m ²
New PC Lab and Beattie Building	36 R/m ²
Geological Science Building	3 R/m ²
Mechanical Engineering	1 R/m ²
Monthly "Night" Time Energy Usage	
Lovers Walk Houses	176%
Computer Science	88%
School Of Music	46%
Mechanical Engineering	34%
Change in Month-on-Month Energy	
Lovers Walk Houses	158%
Mechanical Engineering	54%
Hoerikwaggo	-6%
School Of Music	-9%
Maximum Demand	
Molecular	624 kVA
PD Hahn	613 kVA
AC Jordan Building 2	9 kVA
Lovers Walk Houses	2 kVA
Change in Month-on-Month Maximum Demand	
Mechanical Engineering	20%
AC Jordan Building 1	13%
School of Economics	-18%
Environmental & Geographical Science Buildin	-25%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 95 773
Tugwell Hall	R 94 342
Baxter Hall	R 23 415
All Africa House	R 18 522
Monthly Energy Usage	
Leo Marquard Hall	100 829 kWh
Tugwell Hall	98 591 kWh
Baxter Hall	23 954 kWh
All Africa House	16 376 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	12 kWh/m ²
Leo Marquard Hall	11 kWh/m ²
Graca Machal Residence	4 kWh/m ²
Baxter Hall	3 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	13 R/m ²
Leo Marquard Hall	11 R/m ²
Baxter Hall	4 R/m ²
Graca Machal Residence	4 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	134%
Smuts Hall	104%
Fuller Hall	77%
Oppenheimer Housing and Woolsack	68%
Change in Month-on-Month Energy	
Smuts Hall	53%
Baxter Hall	35%
All Africa House	9%
Oppenheimer Housing and Woolsack	4%
Maximum Demand	
Tugwell Hall	275 kVA
Leo Marquard Hall	263 kVA
Baxter Hall	79 kVA
All Africa House	72 kVA
Change in Month-on-Month Maximum Demand	
Smuts Hall	45%
Baxter Hall	28%
Leo Marquard Hall	-2%
Oppenheimer Housing and Woolsack	-12%