

October 2017 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 210 266
Geological Ext. Science Building	R 62 813
Educare and Extension Building	R 8 875
Isaac Albow Building	R 8 047
Monthly Energy Usage	
Student Union Ext. and Otto Beit	207 094 kWh
Geological Ext. Science Building	61 276 kWh
Educare and Extension Building	1 699 kWh
Isaac Albow Building	959 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	56 kWh/m ²
Student Union Ext. and Otto Beit	28 kWh/m ²
Educare and Extension Building	3 kWh/m ²
Isaac Albow Building	2 kWh/m ²
Monthly Cost per Square Meter	
Geological Ext. Science Building	58 R/m ²
Burnage	33 R/m ²
Beattie Block	7 R/m ²
Maintenance Building	6 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	113%
Bremner Building	103%
Isaac Albow Building	40%
Cottage & Glenara	35%
Change in Month-on-Month Energy	
Beattie Block	104%
Maintenance building	28%
Isaac Albow Building	-18%
Rachel Bloch House	-24%
Maximum Demand	
Student Union Ext. and Otto Beit	545 kVA
Geological Ext. Science Building	156 kVA
Educare and Extension Building	9 kVA
Isaac Albow Building	6 kVA
Change in Month-on-Month Maximum Demand	
Beattie Block	32%
Student Union Ext. and Otto Beit	6%
Cottage & Glenara	-7%
Old Administration Building	-32%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 292 372
PD Hahn	R 268 536
Old Snape	R 6 808
Robert Leslie Commerce Building	R 5 283
Monthly Energy Usage	
Molecular	324 823 kWh
PD Hahn	296 412 kWh
Mechanical Engineering	2 265 kWh
Lovers Walk Houses	274 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	74 kWh/m ²
Computer Science	59 kWh/m ²
Geological Science Building	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	102 R/m ²
Computer Science	52 R/m ²
Mechanical Engineering	1 R/m ²
Robert Leslie Commerce Building	1 R/m ²
Monthly "Night" Time Energy Usage	
New Engineering Building	98%
Computer Science	90%
School Of Music	35%
Electrical and Mechanic	26%
Change in Month-on-Month Energy	
Electrical and Mechanic	203%
New PC Lab and Beattie Building	114%
School Of Ballet	-14%
New Snape	-47%
Maximum Demand	
Molecular	667 kVA
PD Hahn	598 kVA
Geological Science Building	13 kVA
Lovers Walk Houses	4 kVA
Change in Month-on-Month Maximum Demand	
New Snape	33%
Chemical Engineering	29%
School Of Ballet	-16%
Lovers Walk Houses	-18%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 130 071
Tugwell Hall	R 128 158
All Africa House	R 29 201
Graca Machal Residence	R 18 496
Monthly Energy Usage	
Leo Marquard Hall	132 587 kWh
Tugwell Hall	125 726 kWh
All Africa House	21 409 kWh
Graca Machal Residence	12 587 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	18 kWh/m ²
Leo Marquard Hall	15 kWh/m ²
Baxter Hall	5 kWh/m ²
Graca Machal Residence	1 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	19 R/m ²
Leo Marquard Hall	14 R/m ²
Baxter Hall	6 R/m ²
Graca Machal Residence	1 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	136%
Smuts Hall	106%
Leo Marquard Hall	82%
Oppenheimer Housing and Woolsack	61%
Change in Month-on-Month Energy	
All Africa House	3%
Baxter Hall	-1%
Graca Machel Hall	-4%
Leo Marquard Hall	-5%
Maximum Demand	
Tugwell Hall	346 kVA
Leo Marquard Hall	311 kVA
All Africa House	75 kVA
Graca Machal Residence	32 kVA
Change in Month-on-Month Maximum Demand	
Fuller Hall	18%
Tugwell Hall	2%
Leo Marquard Hall	-8%
Oppenheimer Housing and Woolsack	-15%