

September 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 209 699
Geological Ext. Science Building	R 67 666
Rachel Bloch House	R 2 038
Educare and Extension	R 1 943
Monthly Energy Usage	
Student Union Ext. and Otto Beit	189 051 kWh
Geological Ext. Science Building	65 693 kWh
Educare and Extension	1 283 kWh
Rachel Bloch House	886 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	61 kWh/m <sup>2</sup>
Student Union Ext. and Otto Beit	25 kWh/m <sup>2</sup>
Educare and Extension	2 kWh/m <sup>2</sup>
Rachel Bloch House	1 kWh/m <sup>2</sup>
Monthly Cost per Square Meter	
Burnage	583 R/m <sup>2</sup>
Isaac Albow Building	379 R/m <sup>2</sup>
Neville Alexander Building	53 R/m <sup>2</sup>
Beattie Block	40 R/m <sup>2</sup>
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	115%
Burnage	99%
Educare and Extension	35%
Rachel Bloch House	29%
Change in Month-on-Month Energy	
Rachel Bloch House	67%
Isaac Albow Building	19%
Harry Oppenheimer	-19%
Cottage & Glenara	-22%
Maximum Demand	
Student Union Ext. and Otto Beit	495 kVA
Geological Ext. Science Building	154 kVA
Rachel Bloch House	11 kVA
Educare and Extension	7 kVA
Change in Month-on-Month Maximum Demand	
Rachel Bloch House	23%
Educare and Extension	15%
Bremner Building	-19%
Rachel Bloch House	-63%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 303 615
PD Hahn	R 292 667
Mechanical Engineering	R 3 697
Lovers Walk Houses	R 1 324
Monthly Energy Usage	
Molecular	305 080 kWh
PD Hahn	289 034 kWh
Mechanical Engineering	1 927 kWh
Lovers Walk Houses	1 071 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	67 kWh/m <sup>2</sup>
Computer Science	27 kWh/m <sup>2</sup>
Geological Science Building	1 kWh/m <sup>2</sup>
Mechanical Engineering	0 kWh/m <sup>2</sup>
Monthly Cost per Square Meter	
SLC and Upalong	853 R/m <sup>2</sup>
New PC Lab and Beattie Building	489 R/m <sup>2</sup>
Mechanical Engineering	19 R/m <sup>2</sup>
Leslie Social Sciences	14 R/m <sup>2</sup>
Monthly "Night" Time Energy Usage	
Lovers Walk Houses	164%
Computer Science	90%
Mechanical Engineering	43%
School Of Music	32%
Change in Month-on-Month Energy	
New PC Lab and Beat	6%
Mechanical Engineering	2%
Masengene	-17%
School Of Ballet	-33%
Maximum Demand	
Molecular	615 kVA
PD Hahn	596 kVA
Geological Science	14 kVA
Lovers Walk Houses	5 kVA
Change in Month-on-Month Maximum Demand	
H W Pearson BLDG	12%
Menzies	6%
Zoology	-30%
Leslie Social Sciences	-31%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 142 883
Kopano Residence	R 134 861
Baxter Hall	R 59 250
All Africa House	R 27 601
Monthly Energy Usage	
Leo Marquard Hall	135 388 kWh
Kopano Residence	124 034 kWh
Baxter Hall	53 967 kWh
All Africa House	21 200 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	18 kWh/m <sup>2</sup>
Leo Marquard Hall	15 kWh/m <sup>2</sup>
All Africa House	5 kWh/m <sup>2</sup>
Graca Machel Residence	5 kWh/m <sup>2</sup>
Monthly Cost per Square Meter	
Fuller Hall	74 R/m <sup>2</sup>
All Africa House	63 R/m <sup>2</sup>
Smuts Hall	37 R/m <sup>2</sup>
Graca Machel Residence	19 R/m <sup>2</sup>
Monthly "Night" Time Energy Usage	
Baxter Hall	120%
Smuts Hall	97%
Leo Marquard Hall	78%
Oppenheimer Housing and Woolsack	58%
Change in Month-on-Month Energy	
Oppenheimer Housing and Woolsack	5%
Leo Marquard Hall	-9%
Tugwell Hall	-14%
All Africa House	-17%
Maximum Demand	
Kopano Residence	326 kVA
Tugwell Hall	315 kVA
Baxter Hall	156 kVA
All Africa House	93 kVA
Change in Month-on-Month Maximum Demand	
All Africa House	10%
Smuts Hall	7%
Baxter Hall	-15%
Tugwell Hall	-15%