

August 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 367 636
Geological Ext. Science Building	R 110 206
Isaac Albow Building	R 4 147
Educare and Extension	R 2 973
Monthly Energy Usage	
Student Union Ext. and Otto Beit	205 830 kWh
Geological Ext. Science Building	69 152 kWh
Educare and Extension	1 445 kWh
Rachel Bloch House	531 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	64 kWh/m ²
Student Union Ext. and Otto Beit	28 kWh/m ²
Educare and Extension	2 kWh/m ²
Rachel Bloch House	1 kWh/m ²
Monthly Cost per Square Meter	
Burnage	615 R/m ²
Isaac Albow Building	393 R/m ²
Neville Alexander Building	63 R/m ²
Beattie Block	46 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	115%
Bremner Building	105%
Cottage & Glenara	35%
Rachel Bloch House	17%
Change in Month-on-Month Energy	
Rachel Bloch House	216%
Cottage & Glenara	48%
Burnage	3%
Educare and Extension	-2%
Maximum Demand	
Student Union Ext. and Otto Beit	508 kVA
Geological Ext. Science Building	162 kVA
Isaac Albow Building	9 kVA
Educare and Extension	6 kVA
Change in Month-on-Month Maximum Demand	
Rachel Bloch House	1888%
Bremner Building	29%
Harry Oppenheimer	-13%
Educare and Extension	-17%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 499 850
PD Hahn	R 473 921
Mechanical Engineering	R 5 113
Lovers Walk Houses	R 2 300
Monthly Energy Usage	
Molecular	318 460 kWh
PD Hahn	294 652 kWh
Mechanical Engineering	1 884 kWh
Lovers Walk Houses	1 228 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	77 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	937 R/m ²
New PC Lab and Beattie Building	519 R/m ²
Mechanical Engineering	19 R/m ²
Leslie Social Sciences	16 R/m ²
Monthly "Night" Time Energy Usage	
Lovers Walk Houses	114%
Computer Science	91%
Mechanical Engineering	32%
School Of Music	32%
Change in Month-on-Month Energy	
SLC and Upalong	51%
Lovers Walk Houses	41%
Leslie Social Sciences	-2%
Jagger, Oppenheimer	-3%
Maximum Demand	
Molecular	631 kVA
PD Hahn	586 kVA
Mechanical Engineering	17 kVA
Lovers Walk Houses	5 kVA
Change in Month-on-Month Maximum Demand	
School Of Music	65%
AC Jordan Building I	28%
Zoology	-9%
Jagger, Oppenheimer	-9%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 256 680
Tugwell Hall	R 248 758
Baxter Hall	R 103 439
All Africa House	R 45 644
Monthly Energy Usage	
Leo Marquard Hall	148 292 kWh
Tugwell Hall	142 438 kWh
Baxter Hall	62 099 kWh
All Africa House	25 438 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	20 kWh/m ²
Leo Marquard Hall	16 kWh/m ²
All Africa House	6 kWh/m ²
Graca Machel Residence	6 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	91 R/m ²
All Africa House	70 R/m ²
Smuts Hall	44 R/m ²
Graca Machel Residence	23 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	135%
Smuts Hall	99%
Leo Marquard Hall	81%
Oppenheimer Housing and Woolsack	52%
Change in Month-on-Month Energy	
Smuts Hall	139%
Baxter Hall	138%
Oppenheimer Housing and Woolsack	18%
All Africa House	5%
Maximum Demand	
Tugwell Hall	369 kVA
Kopano Residence	344 kVA
Baxter Hall	183 kVA
All Africa House	85 kVA
Change in Month-on-Month Maximum Demand	
Smuts Hall	48%
Fuller Hall	46%
Graca Machel Residence	10%
All Africa House	-2%