

October 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 218 543
Geological Ext. Science Building	R 67 394
Educare and Extension	R 2 464
Isaac Albow Building	R 1 643
Monthly Energy Usage	
Student Union Ext. and Otto Beit	200 909 kWh
Geological Ext. Science Building	59 417 kWh
Educare and Extension	1 508 kWh
Isaac Albow Building	1 164 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	55 kWh/m ²
Student Union Ext. and Otto Beit	27 kWh/m ²
Educare and Extension	2 kWh/m ²
Isaac Albow Building	2 kWh/m ²
Monthly Cost per Square Meter	
Burnage	602 R/m ²
Isaac Albow Building	389 R/m ²
Neville Alexander Building	55 R/m ²
Beattie Block	41 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	99%
Bremner Building	95%
Cottage & Glenara	45%
Educare and Extension	37%
Change in Month-on-Month Energy	
Rachel Bloch House	124%
Educare and Extension	18%
Harry Oppenheimer	-36%
Isaac Albow Building	-54%
Maximum Demand	
Student Union Ext. and Otto Beit	473 kVA
Geological Ext. Science Building	186 kVA
Rachel Bloch House	10 kVA
Educare and Extension	6 kVA
Change in Month-on-Month Maximum Demand	
Rachel Bloch House	80%
Educare and Extension	39%
Harry Oppenheimer	-34%
Isaac Albow Building	-45%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 324 340
PD Hahn	R 306 518
Mechanical Engineering	R 2 029
Lovers Walk Houses	R 693
Monthly Energy Usage	
Molecular	315 812 kWh
PD Hahn	294 131 kWh
Lovers Walk Houses	600 kWh
Mechanical Engineering	382 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	66 kWh/m ²
New PC Lab and Beattie	30 kWh/m ²
Maths Block	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	873 R/m ²
New PC Lab and Beattie Building	509 R/m ²
Maths Block	14 R/m ²
Mechanical Engineering	5 R/m ²
Monthly "Night" Time Energy Usage	
Lovers Walk Houses	317%
H W Pearson BLDG	96%
School Of Music	34%
Mechanical Engineering	34%
Change in Month-on-Month Energy	
Jagger, Oppenheimer	19%
Leslie Social Sciences	16%
Maths Block	-74%
Mechanical Engineering	-80%
Maximum Demand	
Molecular	668 kVA
PD Hahn	641 kVA
School Of Ballet	13 kVA
Lovers Walk Houses	2 kVA
Change in Month-on-Month Maximum Demand	
New Science Lecture	185%
New Engineering Building	34%
School Of Music	-43%
Lovers Walk Houses	-50%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 133 014
Tugwell Hall	R 114 578
Fuller Hall	R 37 860
Smuts Hall	R 23 917
Monthly Energy Usage	
Leo Marquard Hall	117 890 kWh
Tugwell Hall	101 427 kWh
All Africa House	12 334 kWh
Smuts Hall	12 244 kWh
Monthly Energy Usage per Square Meter	
Leo Marquard Hall	13 kWh/m ²
Tugwell Hall	11 kWh/m ²
All Africa House	3 kWh/m ²
Smuts Hall	1 kWh/m ²
Monthly Cost per Square Meter	
All Africa House	62 R/m ²
Oppenheimer Housing and Woolsack	43 R/m ²
Graca Machel Residence	18 R/m ²
Smuts Hall	10 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	120%
Smuts Hall	101%
Leo Marquard Hall	73%
Oppenheimer Housing and Woolsack	72%
Change in Month-on-Month Energy	
Oppenheimer Housing and Woolsack	8%
Graca Machel Residence	-10%
Fuller Hall	-79%
Smuts Hall	-82%
Maximum Demand	
Leo Marquard Hall	314 kVA
Tugwell Hall	274 kVA
Smuts Hall	119 kVA
All Africa House	41 kVA
Change in Month-on-Month Maximum Demand	
Leo Marquard Hall	0%
Tugwell Hall	-13%
Smuts Hall	-40%
All Africa House	-56%