

November 2019 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 194 660
Geological Ext. Science Building	R 69 049
Educare and Extension	R 2 389
Isaac Albow Building	R 1 309
Monthly Energy Usage	
Student Union Ext. and Otto Beit	149 874 kWh
Geological Ext. Science Building	55 075 kWh
Educare and Extension	1 479 kWh
Isaac Albow Building	780 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	51 kWh/m ²
Student Union Ext. and Otto Beit	20 kWh/m ²
Maintenance building	2 kWh/m ²
Isaac Albow Building	1 kWh/m ²
Monthly Cost per Square Meter	
Burnage	606 R/m ²
Isaac Albow Building	391 R/m ²
Beattie Block	41 R/m ²
Bremner Building	29 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	104%
Burnage	81%
Rachel Bloch House	40%
Old Administration	34%
Change in Month-on-Month Energy	
Cottage & Glenara	21%
Rachel Bloch House	9%
Isaac Albow Building	-35%
Bremner Building	-63%
Maximum Demand	
Student Union Ext. and Otto Beit	393 kVA
Geological Ext. Science Building	154 kVA
Educare and Extension	7 kVA
Isaac Albow Building	4 kVA
Change in Month-on-Month Maximum Demand	
Burnage	24%
Cottage & Glenara	22%
Isaac Albow Building	-39%
Bremner Building	-44%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 343 987
PD Hahn	R 331 660
School Of Ballet	R 2 557
Lovers Walk Houses	R 246
Monthly Energy Usage	
PD Hahn	288 721 kWh
Molecular	269 640 kWh
School Of Ballet	1 469 kWh
Lovers Walk Houses	127 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	61 kWh/m ²
New PC Lab and Beattie	28 kWh/m ²
School Of Ballet	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	882 R/m ²
New PC Lab and Beattie Building	513 R/m ²
Mechanical Engineering	19 R/m ²
Leslie Social Sciences	15 R/m ²
Monthly "Night" Time Energy Usage	
School Of Ballet	106%
Lovers Walk Houses	95%
School Of Music	39%
Mechanical Engineering	31%
Change in Month-on-Month Energy	
Lovers Walk Houses	50%
Masengene	7%
Mechanical Engineering	-24%
School Of Ballet	-49%
Maximum Demand	
PD Hahn	620 kVA
Molecular	607 kVA
School Of Ballet	9 kVA
Lovers Walk Houses	1 kVA
Change in Month-on-Month Maximum Demand	
Zoology	31%
Masengene	21%
School Of Ballet	-25%
New Science Lecture	-27%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 103 328
Tugwell Hall	R 97 706
All Africa House	R 17 874
Oppenheimer House	R 23 724
Monthly Energy Usage	
Leo Marquard Hall	77 986 kWh
Tugwell Hall	67 180 kWh
Oppenheimer House	14 155 kWh
All Africa House	12 734 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	9 kWh/m ²
Leo Marquard Hall	9 kWh/m ²
All Africa House	3 kWh/m ²
Oppenheimer House	2 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	68 R/m ²
All Africa House	63 R/m ²
Graca Machel Res	18 R/m ²
Oppenheimer House	16 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	100%
All Africa House	99%
Leo Marquard Hall	78%
Tugwell Hall	73%
Change in Month-on-Month Energy	
All Africa House	-15%
Baxter Hall	-21%
Tugwell Hall	-47%
Oppenheimer House	-63%
Maximum Demand	
Tugwell Hall	263 kVA
Kopano Residence	252 kVA
Oppenheimer House	81 kVA
All Africa House	45 kVA
Change in Month-on-Month Maximum Demand	
Kopano Residence	-3%
All Africa House	-5%
Smuts Hall	-24%
Oppenheimer House	-43%