

February 2020 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 255 935
Bremner Building	R 82 665
Educare and Extension	R 2 108
Isaac Albow Building	R 1 145
Monthly Energy Usage	
Student Union Ext. and Otto Beit	190 179 kWh
Bremner Building	77 612 kWh
Educare and Extension	1 278 kWh
Isaac Albow Building	640 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	51 kWh/m ²
Student Union Ext. and Otto Beit	26 kWh/m ²
Educare and Extension	2 kWh/m ²
Isaac Albow Building	1 kWh/m ²
Monthly Cost per Square Meter	
Burnage	575 R/m ²
Isaac Albow Building	378 R/m ²
Beattie Block	41 R/m ²
Bremner Building	30 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext Science	91%
Neville Alexander Building	70%
Wvelgelegen	2%
Bremner Building	1%
Change in Month-on-Month Energy	
Isaac Albow Building	26%
Cottage & Glenara	19%
Student Union Ext. and Otto Beit	-7%
Beattie Block	-10%
Maximum Demand	
Student Union Ext. and Otto Beit	569 kVA
Geological Ext. Science Building	214 kVA
Educare and Extension	6 kVA
Isaac Albow Building	2 kVA
Change in Month-on-Month Maximum Demand	
Isaac Albow Building	66%
Educare and Extension	39%
Geological Ext. Science Building	4%
Student Union Ext. and Otto Beit	-4%

LECTURE VENUE	
Monthly Electricity Cost	
PD Hahn	R 333 484
Molecular	R 325 915
SLC and Upalong	R 1 776
Lovers Walk Houses	R 383
Monthly Energy Usage	
PD Hahn	271 188 kWh
Molecular	245 465 kWh
School Of Ballet	1 183 kWh
Lovers Walk Houses	273 kWh
Monthly Energy Usage per Square Meter	
Computer Science	24 kWh/m ²
Chemical Engineering	23 kWh/m ²
School Of Ballet	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	781 R/m ²
New PC Lab and Beattie Building	489 R/m ²
Mechanical Engineering	19 R/m ²
Leslie Social Science	18 R/m ²
Monthly "Night" Time Energy Usage	
Lovers Walk Houses	94%
Computer Science	85%
School Of Music	39%
Mechanical Engineering	31%
Change in Month-on-Month Energy	
SLC and Upalong	86%
School Of Ballet	65%
New Science Lecture	-26%
Zoology	-43%
Maximum Demand	
Molecular	698 kVA
PD Hahn	644 kVA
SLC and Upalong	4 kVA
Lovers Walk Houses	1 kVA
Change in Month-on-Month Maximum Demand	
School Of Ballet	122%
Leslie Social Sciences	113%
Lovers Walk Houses	-30%
Zoology	-50%

RESIDENCE	
Monthly Electricity Cost	
Oppenheimer House	R 130 368
Leo Marquard Hall	R 112 601
Baxter Hall	R 33 918
All Africa House	R 15 378
Monthly Energy Usage	
Oppenheimer House	125 463 kWh
Leo Marquard Hall	82 167 kWh
Baxter Hall	25 579 kWh
All Africa House	10 353 kWh
Monthly Energy Usage per Square Meter	
Oppenheimer House	17 kWh/m ²
Fuller Hall	10 kWh/m ²
Graca Machel	3 kWh/m ²
All Africa House	3 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	68 R/m ²
All Africa House	61 R/m ²
Oppenheimer House	22 R/m ²
Graca Machel Res	18 R/m ²
Monthly "Night" Time Energy Usage	
Smuts Hall	104%
Baxter Hall	100%
Leo Marquard Hall	74%
Oppenheimer House	1%
Change in Month-on-Month Energy	
Kopano Residence	84%
Leo Marquard Hall	61%
Fuller Hall	-2%
All Africa House	-7%
Maximum Demand	
Leo Marquard Hall	266 kVA
Kopano Residence	229 kVA
Oppenheimer House	57 kVA
All Africa House	43 kVA
Change in Month-on-Month Maximum Demand	
Smuts Hall	37%
Kopano Residence	29%
All Africa House	8%
Fuller Hall	-5%