

March 2019 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 243 531
Geological Ext. Science Building	R 68 447
Educare and Extension	R 1 642
Isaac Albow Building	R 1 117
Monthly Energy Usage	
Student Union Ext. and Otto Beit	219 952 kWh
Geological Ext. Science Building	64 569 kWh
Educare and Extension	1 158 kWh
Isaac Albow Building	726 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	60 kWh/m ²
Student Union Ext. and Otto Beit	30 kWh/m ²
Educare and Extension	2 kWh/m ²
Isaac Albow Building	1 kWh/m ²
Monthly Cost per Square Meter	
Geological Ext. Science Building	606 R/m ²
Isaac Albow Building	388 R/m ²
Neville Alexander Building	53 R/m ²
Beattie Block	41 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	97%
Bremner Building	91%
Rachel Bloch House	40%
Educare and Extension	33%
Change in Month-on-Month Energy	
Rachel Bloch House	60%
Old Administration	39%
Geological Ext Scien	3%
Neville Alexander	-10%
Maximum Demand	
Student Union Ext. and Otto Beit	573 kVA
Geological Ext. Science Building	170 kVA
Educare and Extension	5 kVA
Isaac Albow Building	4 kVA
Change in Month-on-Month Maximum Demand	
Welgelegen	64%
Cottage & Glenara	50%
Student Union Extensio	-11%
Maintenance building	-19%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 293 287
PD Hahn	R 269 139
Mechanical Engineering	R 3 427
Lovers Walk Houses	R 267
Monthly Energy Usage	
Molecular	286 122 kWh
PD Hahn	256 758 kWh
Mechanical Engineering	1 282 kWh
Lovers Walk Houses	133 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	63 kWh/m ²
New PC Lab and Beattie	29 kWh/m ²
Geological Science	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	867 R/m ²
New PC Lab and Beattie Building	510 R/m ²
Mechanical Engineering	19 R/m ²
Leslie Social	16 R/m ²
Monthly "Night" Time Energy Usage	
New PC Lab and Beatti	94%
AC Jordan Building I	93%
School Of Music	37%
Mechanical Engineering	33%
Change in Month-on-Month Energy	
AC Jordan Building I	35%
Electrical and Mecha	31%
Kramer	-6%
New Lecture Theatre	-28%
Maximum Demand	
Molecular	635 kVA
PD Hahn	596 kVA
School Of Ballet	12 kVA
Lovers Walk Houses	1 kVA
Change in Month-on-Month Maximum Demand	
Jagger, Oppenheimer,	29%
School Of Ballet	27%
New Snape	-9%
Geological Science	-17%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 101 794
Tugwell Hall	R 99 507
Baxter Hall	R 29 709
All Africa House	R 14 673
Monthly Energy Usage	
Oppenheimer	93 074 kWh
Tugwell Hall	88 524 kWh
Baxter Hall	25 979 kWh
All Africa House	11 947 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	11 kWh/m ²
Leo Marquard Hall	10 kWh/m ²
Baxter Hall	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	62 R/m ²
Smuts Hall	34 R/m ²
Graca Machel	18 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	119%
Smuts Hall	103%
Leo Marquard Hall	77%
Oppenheimer	76%
Change in Month-on-Month Energy	
Baxter Hall	35%
Tugwell Hall	20%
Leo Marquard Hall	9%
Oppenheimer	1%
Maximum Demand	
Tugwell Hall	251 kVA
Leo Marquard Hall	239 kVA
Baxter Hall	86 kVA
All Africa House	44 kVA
Change in Month-on-Month Maximum Demand	
Baxter Hall	28%
Smuts Hall	25%
Leo Marquard Hall	-18%
Oppenheimer	-26%