

February 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 168 451
Geological Ext. Science Building	R 60 625
Isaac Albow Building	R 769
Rachel Bloch House	R 366
Monthly Energy Usage	
Student Union Ext. and Otto Beit	168 800 kWh
Geological Ext. Science Building	58 971 kWh
Isaac Albow Building	609 kWh
Rachel Bloch House	38 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	54 kWh/m ²
Student Union Ext. and Otto Beit	23 kWh/m ²
Isaac Albow Building	1 kWh/m ²
Rachel Bloch House	0 kWh/m ²
Monthly Cost per Square Meter	
Geological Ext. Science Building	62 R/m ²
Burnage	32 R/m ²
Beattie Block	7 R/m ²
Maintenance Building	5 R/m ²
Monthly "Night" Time Energy Usage	
Bremner Building	100%
Geological Ext. Science Building	90%
Educare and Extension Building	28%
Rachel Bloch House	12%
Change in Month-on-Month Energy	
Educare and Extension Building	92%
Bremner Building	79%
Harry Oppenheimer	-20%
Rachel Bloch House	-35%
Maximum Demand	
Student Union Ext. and Otto Beit	477 kVA
Geological Ext. Science Building	204 kVA
Isaac Albow Building	3 kVA
Rachel Bloch House	3 kVA
Change in Month-on-Month Maximum Demand	
Rachel Bloch House	451%
Bremner Building	97%
Welgelegen	-14%
Maintenance building	-16%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 273 279
PD Hahn	R 231 422
Mechanical Engineering	R 2 420
Lovers Walk Houses	R 231
Monthly Energy Usage	
Molecular	299 991 kWh
PD Hahn	246 368 kWh
Mechanical Engineering	1 081 kWh
Lovers Walk Houses	115 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	46 kWh/m ²
New PC Lab and Beattie Building	25 kWh/m ²
Geological Science Building	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	79 R/m ²
New PC Lab and Beattie Building	36 R/m ²
Geological Science Building	3 R/m ²
Mechanical Engineering	1 R/m ²
Monthly "Night" Time Energy Usage	
School Of Ballet	93%
Molecular	87%
New Lecture Theatre	36%
Mechanical Engineering	27%
Change in Month-on-Month Energy	
Lovers Walk Houses	20%
SLC and Upalong	20%
Kramer	-12%
Mechanical Engineering	-18%
Maximum Demand	
Molecular	642 kVA
PD Hahn	621 kVA
School Of Ballet	11 kVA
Lovers Walk Houses	1 kVA
Change in Month-on-Month Maximum Demand	
Mechanical Engineering	97%
Maths Block	62%
Molecular	-14%
Zoology	-18%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 89 835
Tugwell Hall	R 76 738
All Africa House	R 17 942
Baxter Hall	R 17 912
Monthly Energy Usage	
Leo Marquard Hall	89 203 kWh
Tugwell Hall	74 793 kWh
Baxter Hall	17 687 kWh
All Africa House	15 056 kWh
Monthly Energy Usage per Square Meter	
Leo Marquard Hall	10 kWh/m ²
Fuller Hall	9 kWh/m ²
Smuts Hall	3 kWh/m ²
Baxter Hall	2 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	11 R/m ²
Leo Marquard Hall	11 R/m ²
Graca Machal Residence	4 R/m ²
Baxter Hall	3 R/m ²
Monthly "Night" Time Energy Usage	
Graca Machal Residence	130%
Baxter Hall	105%
Leo Marquard Hall	75%
Oppenheimer Housing and Woolsack	64%
Change in Month-on-Month Energy	
Fuller Hall	185%
Kopano Residence	89%
All Africa House	-2%
Leo Marquard Hall	-4%
Maximum Demand	
Leo Marquard Hall	268 kVA
Tugwell Hall	238 kVA
Smuts Hall	64 kVA
Baxter Hall	61 kVA
Change in Month-on-Month Maximum Demand	
Fuller Hall	105%
Graca Machal Residence	99%
Leo Marquard Hall	11%
Oppenheimer Housing and Woolsack	6%