

August 2017 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 337 693
Geological Ext. Science Building	R 93 365
Isaac Albow Building	R 10 266
Educare and Extension Building	R 9 541
Monthly Energy Usage	
Student Union Ext. and Otto Beit	218 940 kWh
Geological Ext. Science Building	61 470 kWh
Isaac Albow Building	1 849 kWh
Educare and Extension Building	1 490 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	57 kWh/m ²
Student Union Ext. and Otto Beit	29 kWh/m ²
Isaac Albow Building	3 kWh/m ²
Educare and Extension Building	2 kWh/m ²
Monthly Cost per Square Meter	
Geological Ext. Science Building	86 R/m ²
Student Union Ext. and Otto Beit	45 R/m ²
Beattie Block	11 R/m ²
Maintenance Building	8 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	117%
Bremner Building	102%
Cottage & Glenara	35%
Old Administration Building	32%
Change in Month-on-Month Energy	
Rachel Bloch House and Kaplan Centre	27%
Isaac Albow Building	24%
Neville Alexander Building	-5%
Burnage	-5%
Maximum Demand	
Student Union Ext. and Otto Beit	545 kVA
Geological Ext. Science Building	167 kVA
Isaac Albow Building	10 kVA
Educare and Extension Building	7 kVA
Change in Month-on-Month Maximum Demand	
Maintenance building	40%
Isaac Albow Building	25%
Geological Ext. Science Building	-17%
Beattie Block	-22%

LECTURE VENUE	
Monthly Electricity Cost	
PD Hahn	R 436 684
Molecular	R 428 210
Robert Leslie Commerce Building	R 6 700
Old Snape	R 6 700
Monthly Energy Usage	
Molecular	317 969 kWh
PD Hahn	311 370 kWh
Mechanical Engineering	1 841 kWh
Lovers Walk Houses	1 073 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	64 kWh/m ²
Chemical Engineering	27 kWh/m ²
Geological Science Building	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	121 R/m ²
New PC Lab and Beattie Building	48 R/m ²
Mechanical Engineering	1 R/m ²
Robert Leslie Commerce Building	1 R/m ²
Monthly "Night" Time Energy Usage	
New Lecture Theatre	111%
Kramer	101%
School of Music	34%
Mechanical Engineering	33%
Change in Month-on-Month Energy	
Mechanical Engineering	41%
Lovers Walk Houses	32%
New Lecture Theatre	-14%
Leslie Social Sciences	-26%
Maximum Demand	
PD Hahn	639 kVA
Molecular	584 kVA
Geological Science Building	17 kVA
Lovers Walk Houses	6 kVA
Change in Month-on-Month Maximum Demand	
Leslie Social Sciences	36%
RW James and Physics	31%
New Lecture Theatre	-26%
SLC and Upalong	-43%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 210 823
Tugwell Hall	R 185 963
All Africa House	R 48 493
Graca Machal Residence	R 26 273
Monthly Energy Usage	
Leo Marquard Hall	133 158 kWh
Tugwell Hall	115 993 kWh
All Africa House	26 569 kWh
Graca Machal Residence	12 933 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	18 kWh/m ²
Leo Marquard Hall	15 kWh/m ²
Baxter Hall	5 kWh/m ²
Graca Machal Residence	1 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	29 R/m ²
Leo Marquard Hall	23 R/m ²
Baxter Hall	8 R/m ²
Graca Machal Residence	1 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	142%
Smuts Hall	105%
Leo Marquard Hall	81%
Oppenheimer Housing and Woolsack	52%
Change in Month-on-Month Energy	
Kopano Residence	31%
Tugwell Hall	22%
Graca Machel Hall	-3%
All Africa House	-19%
Maximum Demand	
Leo Marquard Hall	370 kVA
Tugwell Hall	361 kVA
All Africa House	89 kVA
Graca Machal Residence	34 kVA
Change in Month-on-Month Maximum Demand	
Baxter Hall	15%
Smuts Hall	10%
Leo Marquard Hall	-8%
Graca Machal Residence	-11%