

September 2017 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 206 443
Geological Ext. Science Building	R 58 310
Educare and Extension Building	R 8 705
Isaac Albow Building	R 8 218
Monthly Energy Usage	
Student Union Ext. and Otto Beit	212 955 kWh
Geological Ext. Science Building	54 990 kWh
Educare and Extension Building	1 437 kWh
Isaac Albow Building	1 173 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	51 kWh/m ²
Student Union Ext. and Otto Beit	29 kWh/m ²
Educare and Extension Building	2 kWh/m ²
Isaac Albow Building	2 kWh/m ²
Monthly Cost per Square Meter	
Geological Ext. Science Building	54 R/m ²
Burnage	33 R/m ²
Maintenance Building	5 R/m ²
Beattie Block	4 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	117%
Bremner Building	99%
Educare and Extension Building	36%
Old Administration Building	35%
Change in Month-on-Month Energy	
Student Union Ext. and Otto Beit	-3%
Educare and Extension Building	-4%
Isaac Albow Building	-37%
Beattie Block	-56%
Maximum Demand	
Student Union Ext. and Otto Beit	512 kVA
Geological Ext. Science Building	149 kVA
Educare and Extension Building	9 kVA
Isaac Albow Building	6 kVA
Change in Month-on-Month Maximum Demand	
Educare and Extension Building	20%
Beattie Block	-5%
Maintenance Building	-28%
Isaac Albow Building	-39%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 280 760
PD Hahn	R 262 951
Robert Leslie Commerce Building	R 6 588
Old Snape	R 6 588
Monthly Energy Usage	
Molecular	312 025 kWh
PD Hahn	289 085 kWh
Mechanical Engineering	2 085 kWh
Lovers Walk Houses	267 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	76 kWh/m ²
Computer Science	56 kWh/m ²
Geological Science Building	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	101 R/m ²
Computer Science	50 R/m ²
Robert Leslie Commerce Building	1 R/m ²
Mechanical Engineering	1 R/m ²
Monthly "Night" Time Energy Usage	
Computer Science	90%
Kramer	90%
Mechanical Engineering	44%
School of Music	35%
Change in Month-on-Month Energy	
Leslie Social Sciences	22%
SLC and Upalong	18%
New PC Lab and Beattie Building	-54%
Lovers Walk Houses	-75%
Maximum Demand	
Molecular	648 kVA
PD Hahn	598 kVA
Geological Science Building	14 kVA
Lovers Walk Houses	4 kVA
Change in Month-on-Month Maximum Demand	
School of Music	60%
SLC and Upalong	30%
Zoology	-30%
Environmental & Geographical Science Building	-32%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 137 523
Tugwell Hall	R 129 150
All Africa House	R 28 926
Graca Machal Residence	R 18 963
Monthly Energy Usage	
Leo Marquard Hall	139 829 kWh
Tugwell Hall	128 786 kWh
All Africa House	20 824 kWh
Graca Machal Residence	12 965 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	19 R/m ²
Leo Marquard Hall	15 R/m ²
Baxter Hall	6 R/m ²
Graca Machal Residence	1 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	128%
Smuts Hall	103%
Leo Marquard Hall	79%
Oppenheimer Housing and Woolsack	59%
Change in Month-on-Month Energy	
Tugwell Hall	11%
Baxter Hall	9%
Oppenheimer Housing and Woolsack	-16%
All Africa House	-22%
Maximum Demand	
Tugwell Hall	339 kVA
Leo Marquard Hall	338 kVA
All Africa House	78 kVA
Graca Machal Residence	33 kVA
Change in Month-on-Month Maximum Demand	
Graca Machal Residence	-2%
Smuts Hall	-3%
All Africa House	-13%
Oppenheimer Housing and Woolsack	-19%