

January 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 157 285
Geological Ext. Science Building	R 70 147
Isaac Albow Building	R 7 352
Rachel Bloch House	R 6 799
Monthly Energy Usage	
Student Union Ext. and Otto Beit	160 231 kWh
Geological Ext. Science Building	67 290 kWh
Isaac Albow Building	417 kWh
Rachel Bloch House	58 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	62 kWh/m ²
Student Union Ext. and Otto Beit	22 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	65 R/m ²
Burnage	32 R/m ²
Maintenance Building	5 R/m ²
Bremner Building	5 R/m ²
Monthly "Night" Time Energy Usage	
Rachel Bloch House	99%
Bremner Building	97%
Cottage & Glenara	56%
Educare and Extension Building	41%
Change in Month-on-Month Energy	
Student Union Ext. and Otto Beit	11%
Beattie Block	8%
Educare and Extension Building	-41%
Rachel Bloch House	-85%
Maximum Demand	
Student Union Ext. and Otto Beit	384 kVA
Geological Ext. Science Building	181 kVA
Isaac Albow Building	3 kVA
Rachel Bloch House	1 kVA
Change in Month-on-Month Maximum Demand	
Burnage	11%
Beattie Block	9%
Bremner Building	-42%
Rachel Bloch House	-93%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 292 527
PD Hahn	R 222 717
Mechanical Engineering	R 1 804
Lovers Walk Houses	R 163
Monthly Energy Usage	
Molecular	324 970 kWh
PD Hahn	246 921 kWh
Mechanical Engineering	1 323 kWh
Lovers Walk Houses	96 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	38 kWh/m ²
Computer Science	27 kWh/m ²
School Of Ballet	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	69 R/m ²
New PC Lab and Beattie Building	33 R/m ²
Geological Science Building	3 R/m ²
Mechanical Engineering	1 R/m ²
Monthly "Night" Time Energy Usage	
School Of Ballet	138%
Lovers Walk Houses	100%
School of Music	34%
Mechanical Engineering	32%
Change in Month-on-Month Energy	
Leslie Social Sciences	28%
Geological Science Building	27%
School Of Ballet	-9%
AC Jordan Building I	-14%
Maximum Demand	
Molecular	744 kVA
PD Hahn	550 kVA
Mechanical Engineering	8 kVA
Lovers Walk Houses	1 kVA
Change in Month-on-Month Maximum Demand	
School Of Music	27%
H W Pearson BLDG	22%
Centilevers	-20%
Lovers Walk Houses	-40%

RESIDENCE	
Monthly Electricity Cost	
Leo Marquard Hall	R 95 630
Tugwell Hall	R 60 930
Smuts Hall	R 20 497
Baxter Hall	R 18 850
Monthly Energy Usage	
Leo Marquard Hall	92 573 kWh
Tugwell Hall	51 936 kWh
Fuller Hall	13 619 kWh
Baxter Hall	10 841 kWh
Monthly Energy Usage per Square Meter	
Leo Marquard Hall	10 kWh/m ²
Oppenheimer Housing	6 kWh/m ²
Smuts Hall	2 kWh/m ²
Baxter Hall	1 kWh/m ²
Monthly Cost per Square Meter	
Leo Marquard Hall	10 R/m ²
Oppenheimer Housing	7 R/m ²
Baxter Hall	2 R/m ²
Graca Machal Residence	2 R/m ²
Monthly "Night" Time Energy Usage	
Graca Machal Residence	126%
Baxter Hall	110%
Leo Marquard Hall	80%
Oppenheimer Housing and Woolsack	71%
Change in Month-on-Month Energy	
Kopano Residence	40%
Tugwell Hall	23%
Fuller Hall	-28%
Smuts Hall	-34%
Maximum Demand	
Leo Marquard Hall	243 kVA
Tugwell Hall	185 kVA
Baxter Hall	48 kVA
Smuts Hall	44 kVA
Change in Month-on-Month Maximum Demand	
Oppenheimer Housing and Woolsack	8%
Leo Marquard Hall	2%
Graca Machal Residence	-38%
Fuller Hall	-46%