May 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 174 020
Geological Ext. Science Building	R 58 431
Isaac Albow Building	R 1 733
Rachel Bloch House	R 491
Monthly Energy Usage	
Student Union Ext. and Otto Beit	175 852 kWh
Geological Ext. Science Building	64 745 kWh
Isaac Albow Building	1 279 kWh
Rachel Bloch House	139 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	60 kWh/m²
Student Union Ext. and Otto Beit	24 kWh/m²
Isaac Albow Building	2 kWh/m²
Rachel Bloch House	0 kWh/m²
Monthly Cost per Square Meter	
Burnage	523 R/m²
Isaac Albow Building	338 R/m²
Neville Alexander Building	48 R/m²
Beattie Block	36 R/m²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	108%
Burnage	97%
Educare and Extension Building	34%
Rachel Bloch House	19%
Change in Month-on-Month Energy	
Rachel Bloch House	136%
Welgelegen	68%
Burnage	11%
Geological Ext. Science Building	5%
Maximum Demand	
Student Union Ext. and Otto Beit	476 kVA
Geological Ext. Science Building	152 kVA
Isaac Albow Building	8 kVA
Rachel Bloch House	4 kVA
Change in Month-on-Month Maximum Demand	
Rachel Bloch House	118%
Harry Oppenheimer Institute	71%
Neville Alexander Building	-3%
Student Union Ext. and Otto Beit	-6%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 266 878
PD Hahn	R 261 646
Mechanical Engineering	R 1 822
Lovers Walk Houses	R 657
Monthly Energy Usage	
Molecular	304 627 kWh
PD Hahn	299 072 kWh
Mechanical Engineering	1 351 kWh
Lovers Walk Houses	244 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	66 kWh/m²
Computer Science	29 kWh/m²
Geological Science Building	1 kWh/m²
Mechanical Engineering	0 kWh/m²
Monthly Cost per Square Meter	
SLC and Upalong	764 R/m²
New PC Lab and Beattie Building	438 R/m²
Mechanical Engineering	17 R/m²
Leslie Social Sciences	13 R/m²
Monthly "Night" Time Energy Usage	
Computer Science	92%
Molecular	88%
Lovers Walk Houses	38%
Mechanical Engineering	30%
Change in Month-on-Month Energy	
Lovers Walk Houses	103%
School Of Ballet	45%
Mechanical Engineering	-15%
Leslie Social Sciences	-19%
Maximum Demand	
Molecular	616 kVA
PD Hahn	579 kVA
Mechanical Engineering	8 kVA
Lovers Walk Houses	5 kVA
Change in Month-on-Month Maximum Demand	
Hoerikwaggo	35%
Lovers Walk Houses	31%
Maths Block	-12%
New Lecture Theatre	-39%

RESIDENCE	
Monthly Electricity Cost	
Tugwell Hall	R 123 737
Leo Marquard Hall	R 115 492
Baxter Hall	R 43 434
All Africa House	R 21 512
Monthly Energy Usage	
Tugwell Hall	133 320 kWh
Leo Marquard Hall	122 286 kWh
Baxter Hall	43 686 kWh
All Africa House	20 107 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	17 kWh/m²
Tugwell Hall	15 kWh/m²
All Africa House	5 kWh/m²
Graca Machal Residence	5 kWh/m²
Monthly Cost per Square Meter	
Fuller Hall	64 R/m²
All Africa House	56 R/m²
Smuts Hall	31 R/m²
Graca Machal Residence	16 R/m²
Monthly "Night" Time Energy Usage	
Baxter Hall	124%
Smuts Hall	95%
Leo Marquard Hall	76%
Oppenheimer Housing and Woolsack	59%
Change in Month-on-Month Energy	
Baxter Hall	51%
Fuller Hall	27%
Graca Machal Residence	16%
All Africa House	15%
Maximum Demand	
Tugwell Hall	316 kVA
Kopano Residence	311 kVA
Baxter Hall	139 kVA
All Africa House	75 kVA
Change in Month-on-Month Maximum Demand	
Smuts Hall	39%
Baxter Hall	34%
Fuller Hall	7%
Graca Machal Residence	-4%