

December 2018 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 168 162
Geological Ext. Science Building	R 56 167
Educare and Extension	R 1 468
Isaac Albow Building	R 928
Monthly Energy Usage	
Student Union Ext. and Otto Beit	146 704 kWh
Geological Ext. Science Building	45 432 kWh
Educare and Extension	862 kWh
Isaac Albow Building	512 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	42 kWh/m ²
Student Union Ext. and Otto Beit	20 kWh/m ²
Educare and Extension	1 kWh/m ²
Isaac Albow Building	1 kWh/m ²
Monthly Cost per Square Meter	
Burnage	599 R/m ²
Isaac Albow Building	388 R/m ²
Neville Alexander Building	53 R/m ²
Beattie Block	39 R/m ²
Monthly "Night" Time Energy Usage	
Bremner Building	112%
Geological Ext. Science Building	91%
Rachel Bloch House	54%
Educare and Extension	40%
Change in Month-on-Month Energy	
Rachel Bloch House	6%
Burnage	1%
Isaac Albow Building	-44%
Bremner Building	-53%
Maximum Demand	
Student Union Ext. and Otto Beit	450 kVA
Geological Ext. Science Building	183 kVA
Educare and Extension	6 kVA
Isaac Albow Building	4 kVA
Change in Month-on-Month Maximum Demand	
Rachel Bloch House	79%
Geological Ext Science	32%
Cottage & Glenara	-54%
Bremner Building	-65%

LECTURE VENUE	
Monthly Electricity Cost	
Molecular	R 310 027
PD Hahn	R 249 357
School Of Ballet	R 2 468
Lovers Walk Houses	R 485
Monthly Energy Usage	
Molecular	312 396 kWh
PD Hahn	246 384 kWh
Mechanical Engineering	1 159 kWh
Lovers Walk Houses	329 kWh
Monthly Energy Usage per Square Meter	
SLC and Upalong	38 kWh/m ²
Computer Science	27 kWh/m ²
Geological Science	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
SLC and Upalong	844 R/m ²
New PC Lab and Beattie Building	504 R/m ²
Kramer	19 R/m ²
Leslie Social	15 R/m ²
Monthly "Night" Time Energy Usage	
School Of Ballet	137%
Lovers Walk Houses	129%
Mechanical Engineering	43%
School Of Music	35%
Change in Month-on-Month Energy	
Leslie Social Sciences	8%
Computer Science	5%
Mechanical Engineering	-40%
Lovers Walk Houses	-46%
Maximum Demand	
Molecular	620 kVA
PD Hahn	521 kVA
School Of Ballet	8 kVA
Lovers Walk Houses	2 kVA
Change in Month-on-Month Maximum Demand	
Hoerikwaggo	29%
School Of Music	22%
Centilevers	-30%
AC Jordan Building I	-51%

RESIDENCE	
Monthly Electricity Cost	
Oppenheimer	R 65 662
Kopano Residence	R 64 907
Baxter Hall	R 16 393
All Africa House	R 14 310
Monthly Energy Usage	
Oppenheimer	62 704 kWh
Kopano Residence	51 524 kWh
Baxter Hall	12 158 kWh
All Africa House	11 034 kWh
Monthly Energy Usage per Square Meter	
Oppenheimer	9 kWh/m ²
Kopano Residence	6 kWh/m ²
Graca Machel	2 kWh/m ²
Baxter Hall	2 kWh/m ²
Monthly Cost per Square Meter	
All Africa House	62 R/m ²
Fuller Hall	60 R/m ²
Tugwell Hall	31 R/m ²
Graca Machel	16 R/m ²
Monthly "Night" Time Energy Usage	
Graca Machel	108%
Fuller Hall	104%
Oppenheimer	82%
Kopano Residence	81%
Change in Month-on-Month Energy	
Oppenheimer	3%
All Africa House	-13%
Baxter Hall	-50%
Fuller Hall	-60%
Maximum Demand	
Kopano Residence	201 kVA
Tugwell Hall	173 kVA
Smuts Hall	59 kVA
All Africa House	47 kVA
Change in Month-on-Month Maximum Demand	
All Africa House	3%
Smuts Hall	-2%
Baxter Hall	-45%
Leo Marquard Hall	-51%