

October 2019 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
<b>Monthly Electricity Cost</b>	
Student Union Ext. and Otto Beit	R 225 833
Geological Ext. Science Building	R 66 726
Educare and Extension	R 2 725
Isaac Albow Building	R 2 110
<b>Monthly Energy Usage</b>	
Student Union Ext. and Otto Beit	176 332 kWh
Geological Ext. Science Building	54 690 kWh
Cottage & Glenara	1 687 kWh
Educare and Extension	1 199 kWh
<b>Monthly Energy Usage per Square Meter</b>	
Geological Ext. Science Building	50 kWh/m <sup>2</sup>
Student Union Ext. and Otto Beit	24 kWh/m <sup>2</sup>
Maintenance building	2 kWh/m <sup>2</sup>
Isaac Albow Building	2 kWh/m <sup>2</sup>
<b>Monthly Cost per Square Meter</b>	
Burnage	717 R/m <sup>2</sup>
Isaac Albow Building	466 R/m <sup>2</sup>
Bremner Building	56 R/m <sup>2</sup>
Beattie Block	48 R/m <sup>2</sup>
<b>Monthly "Night" Time Energy Usage</b>	
Geological Ext. Science Building	116%
Bremner Building	98%
Cottage & Glenara	35%
Old Administration	32%
<b>Change in Month-on-Month Energy</b>	
Educare and Extension	23%
Beattie Block	2%
Isaac Albow Building	-15%
Bremner Building	-45%
<b>Maximum Demand</b>	
Student Union Ext. and Otto Beit	426 kVA
Geological Ext. Science Building	134 kVA
Educare and Extension	8 kVA
Isaac Albow Building	7 kVA
<b>Change in Month-on-Month Maximum Demand</b>	
Isaac Albow Building	169%
Cottage & Glenara	12%
Bremner Building	-16%
Beattie Block	-22%

LECTURE VENUE	
<b>Monthly Electricity Cost</b>	
Molecular	R 352 299
PD Hahn	R 349 390
School Of Ballet	R 1 447
Lovers Walk Houses	R 210
<b>Monthly Energy Usage</b>	
PD Hahn	295 985 kWh
Molecular	287 041 kWh
Mechanical Engineering	1 939 kWh
Lovers Walk Houses	85 kWh
<b>Monthly Energy Usage per Square Meter</b>	
SLC and Upalong	73 kWh/m <sup>2</sup>
Computer Science	28 kWh/m <sup>2</sup>
Geological Science	1 kWh/m <sup>2</sup>
Mechanical Engineering	0 kWh/m <sup>2</sup>
<b>Monthly Cost per Square Meter</b>	
SLC and Upalong	1 043 R/m <sup>2</sup>
New PC Lab and Beattie Building	603 R/m <sup>2</sup>
Kramer	23 R/m <sup>2</sup>
Leslie Social Sciences	18 R/m <sup>2</sup>
<b>Monthly "Night" Time Energy Usage</b>	
Computer Science	92%
New Lecture Theatre	91%
School Of Music	40%
Mechanical Engineering	34%
<b>Change in Month-on-Month Energy</b>	
New Lecture Theatre	21%
School Of Music	19%
Maths Block	-5%
School Of Ballet	-12%
<b>Maximum Demand</b>	
Molecular	611 kVA
PD Hahn	583 kVA
School Of Ballet	12 kVA
Lovers Walk Houses	1 kVA
<b>Change in Month-on-Month Maximum Demand</b>	
Hoerikwaggo	43%
New Lecture Theatre	12%
Maths Block	-26%
Masengene	-31%

RESIDENCE	
<b>Monthly Electricity Cost</b>	
Tugwell Hall	R 159 968
Leo Marquard Hall	R 144 223
All Africa House	R 55 298
Oppenheimer House	R 20 585
<b>Monthly Energy Usage</b>	
Tugwell Hall	126 676 kWh
Leo Marquard Hall	117 458 kWh
Oppenheimer House	37 874 kWh
All Africa House	15 039 kWh
<b>Monthly Energy Usage per Square Meter</b>	
Fuller Hall	15 kWh/m <sup>2</sup>
Tugwell Hall	14 kWh/m <sup>2</sup>
Graca Machel Res	5 kWh/m <sup>2</sup>
All Africa House	4 kWh/m <sup>2</sup>
<b>Monthly Cost per Square Meter</b>	
Fuller Hall	85 R/m <sup>2</sup>
All Africa House	75 R/m <sup>2</sup>
Oppenheimer House	32 R/m <sup>2</sup>
Graca Machel Res	23 R/m <sup>2</sup>
<b>Monthly "Night" Time Energy Usage</b>	
Baxter Hall	116%
All Africa House	101%
Tugwell Hall	75%
Oppenheimer House	73%
<b>Change in Month-on-Month Energy</b>	
All Africa House	5%
Graca Machel Res	5%
Leo Marquard Hall	-5%
Oppenheimer House	-45%
<b>Maximum Demand</b>	
Tugwell Hall	304 kVA
Kopano Residence	259 kVA
Smuts Hall	129 kVA
All Africa House	48 kVA
<b>Change in Month-on-Month Maximum Demand</b>	
Tugwell Hall	10%
Leo Marquard Hall	1%
Fuller Hall	-21%
Oppenheimer House	-24%