

August 2019 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 398 623
Geological Ext. Science Building	R 116 576
Burnage	R 2 686
Isaac Albow Building	R 1 614
Monthly Energy Usage	
Student Union Ext. and Otto Beit	191 951 kWh
Geological Ext. Science Building	64 386 kWh
Burnage	364 kWh
Isaac Albow Building	118 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	59 kWh/m <sup>2</sup>
Student Union Ext. and Otto Beit	26 kWh/m <sup>2</sup>
Burnage	1 kWh/m <sup>2</sup>
Isaac Albow Building	0 kWh/m <sup>2</sup>
Monthly Cost per Square Meter	
Educare and Ex	448 R/m <sup>2</sup>
Cottage & Glenara	440 R/m <sup>2</sup>
Burnage	50 R/m <sup>2</sup>
Isaac Albow Building	32 R/m <sup>2</sup>
Monthly "Night" Time Energy Usage	
Burnage	129%
Geological Ext. Science Building	115%
Old Administration	32%
Cottage & Glenara	31%
Change in Month-on-Month Energy	
Bremner Building	13%
Beattie Block	0%
Isaac Albow Building	-95%
Burnage	-95%
Maximum Demand	
Student Union Ext. and Otto Beit	535 kVA
Geological Ext. Science Building	162 kVA
Isaac Albow Building	10 kVA
Educare and Extension	7 kVA
Change in Month-on-Month Maximum Demand	
Educare and Extension	14%
Geological Ext Science	0%
Old Administration Build	-31%
Burnage	-45%

LECTURE VENUE	
Monthly Electricity Cost	
PD Hahn	R 604 635
Molecular	R 557 029
Mechanical Engineering	R 5 137
Lovers Walk Houses	R 1 168
Monthly Energy Usage	
PD Hahn	327 333 kWh
Molecular	311 403 kWh
SLC and Upalong	973 kWh
Lovers Walk Houses	232 kWh
Monthly Energy Usage per Square Meter	
Computer Science	28 kWh/m <sup>2</sup>
New PC Lab and Beattie	26 kWh/m <sup>2</sup>
Geological Science	1 kWh/m <sup>2</sup>
Mechanical Engineering	0 kWh/m <sup>2</sup>
Monthly Cost per Square Meter	
New PC Lab and Beattie Building	600 R/m <sup>2</sup>
School Of Ballet	168 R/m <sup>2</sup>
Mechanical Engineering	22 R/m <sup>2</sup>
Leslie Social	19 R/m <sup>2</sup>
Monthly "Night" Time Energy Usage	
Chemical Engineering	92%
Molecular	89%
Lovers Walk Houses	41%
Mechanical Engineering	36%
Change in Month-on-Month Energy	
New PC Lab and Beat	7%
Centilevers	7%
Lovers Walk Houses	-59%
SLC and Upalong	-95%
Maximum Demand	
PD Hahn	648 kVA
Molecular	612 kVA
Geological Science	14 kVA
Lovers Walk Houses	5 kVA
Change in Month-on-Month Maximum Demand	
New Science Lecture	16%
Zoology	13%
SLC and Upalong	-42%
New Lecture Theatre	-68%

RESIDENCE	
Monthly Electricity Cost	
Kopano Residence	R 255 273
Graca Machel Res	R 193 059
Tugwell Hall	R 60 402
Leo Marquard Hall	R 47 551
Monthly Energy Usage	
Kopano Residence	127 109 kWh
Graca Machel Res	96 585 kWh
Tugwell Hall	6 518 kWh
Leo Marquard Hall	6 127 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	19 kWh/m <sup>2</sup>
Kopano Residence	14 kWh/m <sup>2</sup>
Tugwell Hall	1 kWh/m <sup>2</sup>
Leo Marquard Hall	1 kWh/m <sup>2</sup>
Monthly Cost per Square Meter	
Fuller Hall	102 R/m <sup>2</sup>
All Africa House	77 R/m <sup>2</sup>
Tugwell Hall	9 R/m <sup>2</sup>
Leo Marquard Hall	7 R/m <sup>2</sup>
Monthly "Night" Time Energy Usage	
Baxter Hall	123%
Smuts Hall	98%
Graca Machel Res	81%
Oppenheimer	64%
Change in Month-on-Month Energy	
Graca Machel Res	21%
Baxter Hall	18%
Tugwell Hall	-95%
Leo Marquard Hall	-95%
Maximum Demand	
Tugwell Hall	336 kVA
Kopano Residence	332 kVA
Baxter Hall	171 kVA
All Africa House	56 kVA
Change in Month-on-Month Maximum Demand	
Graca Machel Res	10%
Smuts Hall	2%
All Africa House	-16%
Leo Marquard Hall	-27%