

December 2019 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
<b>Monthly Electricity Cost</b>	
Student Union Ext. and Otto Beit	R 216 417
Geological Ext. Science Building	R 70 716
Isaac Albow Building	R 1 054
Welgelegen	R 1 001
<b>Monthly Energy Usage</b>	
Student Union Ext. and Otto Beit	157 691 kWh
Geological Ext. Science Building	54 753 kWh
Isaac Albow Building	481 kWh
Welgelegen	292 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	21 kWh/m <sup>2</sup>
Maintenance building	1 kWh/m <sup>2</sup>
Isaac Albow Building	0 kWh/m <sup>2</sup>
<b>Monthly Cost per Square Meter</b>	
Burnage	599 R/m <sup>2</sup>
Isaac Albow Building	399 R/m <sup>2</sup>
Isaac Albow Building	47 R/m <sup>2</sup>
Welgelegen	41 R/m <sup>2</sup>
<b>Monthly "Night" Time Energy Usage</b>	
Geological Ext. Science Building	101%
Geological Ext Science	98%
Rachel Bloch House	52%
	47%
<b>Change in Month-on-Month Energy</b>	
Student Union Extens	5%
Geological Ext. Science Building	-1%
Welgelegen	-89%
Bremner Building	-100%
<b>Maximum Demand</b>	
Student Union Ext. and Otto Beit	513 kVA
Geological Ext. Science Building	167 kVA
Educare and Extension	5 kVA
Isaac Albow Building	4 kVA
<b>Change in Month-on-Month Maximum Demand</b>	
Student Union Ext. and Otto Beit	30%
Burnage	16%
Old Administration	-51%
Welgelegen	-52%

LECTURE VENUE	
<b>Monthly Electricity Cost</b>	
Molecular	R 331 170
PD Hahn	R 311 796
School Of Ballet	R 1 094
Lovers Walk Houses	R 286
<b>Monthly Energy Usage</b>	
PD Hahn	263 845 kWh
Molecular	259 961 kWh
School Of Ballet	704 kWh
Lovers Walk Houses	145 kWh
<b>Monthly Energy Usage per Square Meter</b>	
Computer Science	23 kWh/m <sup>2</sup>
Chemical Engineering	23 kWh/m <sup>2</sup>
School Of Ballet	0 kWh/m <sup>2</sup>
Mechanical Engineering	0 kWh/m <sup>2</sup>
<b>Monthly Cost per Square Meter</b>	
SLC and Upalong	813 R/m <sup>2</sup>
New PC Lab and Beattie Building	519 R/m <sup>2</sup>
Zoology	16 R/m <sup>2</sup>
Leslie Social Science	15 R/m <sup>2</sup>
<b>Monthly "Night" Time Energy Usage</b>	
School Of Ballet	144%
Zoology	105%
Mechanical Engineering	43%
School Of Music	43%
<b>Change in Month-on-Month Energy</b>	
Lovers Walk Houses	14%
Chemical Engineering	5%
School Of Ballet	-52%
SLC and Upalong	-82%
<b>Maximum Demand</b>	
Molecular	640 kVA
PD Hahn	589 kVA
School Of Ballet	4 kVA
Lovers Walk Houses	1 kVA
<b>Change in Month-on-Month Maximum Demand</b>	
New Lecture Theatre	144%
Zoology	27%
School Of Ballet	-60%
Mechanical Engineering	-63%

RESIDENCE	
<b>Monthly Electricity Cost</b>	
Leo Marquard Hall	R 56 064
Graca Machel Res	R 45 228
All Africa House	R 14 913
Tugwell Hall	R 10 630
<b>Monthly Energy Usage</b>	
Leo Marquard Hall	41 489 kWh
Graca Machel Res	32 612 kWh
Oppenheimer House	10 060 kWh
All Africa House	4 211 kWh
<b>Monthly Energy Usage per Square Meter</b>	
Fuller Hall	5 kWh/m <sup>2</sup>
Leo Marquard Hall	5 kWh/m <sup>2</sup>
All Africa House	2 kWh/m <sup>2</sup>
Tugwell Hall	0 kWh/m <sup>2</sup>
<b>Monthly Cost per Square Meter</b>	
All Africa House	64 R/m <sup>2</sup>
Fuller Hall	64 R/m <sup>2</sup>
Graca Machel Res	17 R/m <sup>2</sup>
Tugwell Hall	6 R/m <sup>2</sup>
<b>Monthly "Night" Time Energy Usage</b>	
Graca Machel Res	116%
Smuts Hall	108%
Baxter Hall	91%
Tugwell Hall	84%
<b>Change in Month-on-Month Energy</b>	
Oppenheimer House	-100%
All Africa House	-21%
Kopano Residence	-53%
Tugwell Hall	-94%
<b>Maximum Demand</b>	
Leo Marquard Hall	137 kVA
Graca Machel Res	119 kVA
Tugwell Hall	48 kVA
All Africa House	42 kVA
<b>Change in Month-on-Month Maximum Demand</b>	
Baxter Hall	-5%
All Africa House	-7%
Kopano Residence	-78%
Tugwell Hall	-82%