

September 2019 UCT Comparative Energy Statistics

Highest
Lowest

OFFICE	
Monthly Electricity Cost	
Student Union Ext. and Otto Beit	R 231 693
Geological Ext. Science Building	R 70 293
Cottage & Glenara	R 4 628
Educare and Extension	R 2 642
Monthly Energy Usage	
Student Union Ext. and Otto Beit	175 484 kWh
Geological Ext. Science Building	55 080 kWh
Cottage & Glenara	2 536 kWh
Educare and Extension	1 371 kWh
Monthly Energy Usage per Square Meter	
Geological Ext. Science Building	51 kWh/m ²
Student Union Ext. and Otto Beit	24 kWh/m ²
Educare and Extension	2 kWh/m ²
Maintenance building	2 kWh/m ²
Monthly Cost per Square Meter	
Educare and Ex	432 R/m ²
Old Administration	421 R/m ²
Neville Alexand	60 R/m ²
Beattie Block	46 R/m ²
Monthly "Night" Time Energy Usage	
Geological Ext. Science Building	110%
Bremner Building	98%
Educare and Extension	36%
Old Administration	33%
Change in Month-on-Month Energy	
Educare and Extension	-1%
Student Union Extension	-9%
Isaac Albow Building	-100%
Burnage	-100%
Maximum Demand	
Student Union Ext. and Otto Beit	492 kVA
Geological Ext. Science Building	161 kVA
Cottage & Glenara	15 kVA
Educare and Extension	9 kVA
Change in Month-on-Month Maximum Demand	
Educare and Extension	40%
Old Administration Build	2%
Harry Oppenheimer	-27%
Maintenance building	-34%

LECTURE VENUE	
Monthly Electricity Cost	
PD Hahn	R 360 257
Molecular	R 357 651
Mechanical Engineering	R 4 319
Lovers Walk Houses	R 203
Monthly Energy Usage	
PD Hahn	303 672 kWh
Molecular	299 711 kWh
Mechanical Engineering	1 852 kWh
Lovers Walk Houses	86 kWh
Monthly Energy Usage per Square Meter	
Computer Science	26 kWh/m ²
New PC Lab and Beattie	24 kWh/m ²
Geological Science	1 kWh/m ²
Mechanical Engineering	0 kWh/m ²
Monthly Cost per Square Meter	
New PC Lab and Beattie Building	565 R/m ²
School Of Ballet	159 R/m ²
Kramer	21 R/m ²
Leslie Social Sciences	17 R/m ²
Monthly "Night" Time Energy Usage	
Chemical Engineering	91%
New Lecture Theatre	90%
School Of Music	41%
Mechanical Engineering	37%
Change in Month-on-Month Energy	
Leslie Social Sciences	31%
Mechanical Engineering	26%
Lovers Walk Houses	-63%
SLC and Upalong	-100%
Maximum Demand	
PD Hahn	665 kVA
Molecular	633 kVA
Geological Science	14 kVA
Lovers Walk Houses	1 kVA
Change in Month-on-Month Maximum Demand	
New Science Lecture	24%
Menzies	23%
School Of Ballet	-31%
Lovers Walk Houses	-83%

RESIDENCE	
Monthly Electricity Cost	
Tugwell Hall	R 154 395
Leo Marquard Hall	R 143 107
Baxter Hall	R 62 553
All Africa House	R 19 871
Monthly Energy Usage	
Tugwell Hall	132 297 kWh
Leo Marquard Hall	123 325 kWh
Baxter Hall	46 324 kWh
All Africa House	14 278 kWh
Monthly Energy Usage per Square Meter	
Fuller Hall	15 kWh/m ²
Tugwell Hall	15 kWh/m ²
Graca Machel Res	5 kWh/m ²
All Africa House	3 kWh/m ²
Monthly Cost per Square Meter	
Fuller Hall	82 R/m ²
All Africa House	70 R/m ²
Smuts Hall	41 R/m ²
Graca Machel Res	21 R/m ²
Monthly "Night" Time Energy Usage	
Baxter Hall	126%
Smuts Hall	102%
Graca Machel Res	83%
Oppenheimer	72%
Change in Month-on-Month Energy	
Tugwell Hall	-5%
Leo Marquard Hall	-5%
All Africa House	-26%
Baxter Hall	-26%
Maximum Demand	
Kopano Residence	292 kVA
Tugwell Hall	276 kVA
Smuts Hall	143 kVA
All Africa House	50 kVA
Change in Month-on-Month Maximum Demand	
Leo Marquard Hall	1%
Graca Machel Res	-5%
Tugwell Hall	-18%
Oppenheimer House	-26%