July 2018 UCT Comparative Energy Statistics

Monthly Energy Usage Student Union Ext. and Otto Beit 182 272 k² Geological Ext. Science Building 57 119 k² Educare and Extension 1 467 k² Rachel Bloch House 168 k² Monthly Energy Usage per Square Meter Geological Ext. Science Building Geological Ext. Science Building 53 kWh Student Union Ext. and Otto Beit 24 kWh Educare and Extension 2 kWh		
Geological Ext. Science Building R 90 (1) Isaac Albow Building R 3 (2) Rachel Bloch House R 4 Monthly Energy Usage Student Union Ext. and Otto Beit Student Union Ext. Science Building 57 119 kl Educare and Extension 1 467 kl Rachel Bloch House 168 kl Monthly Energy Usage per Square Meter Geological Ext. Science Building 53 kWh Student Union Ext. and Otto Beit 24 kWh Student Union Ext. and Otto Beit 24 kWh		
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Geological Ext. Science Building 53 kWh Student Union Ext. and Otto Beit 24 kWh Educare and Extension 2 kWh	∕Vh	
Student Union Ext. and Otto Beit 24 kWh Educare and Extension 2 kWh		
Educare and Extension 2 kWh	/m²	
	/m²	
	/m²	
Rachel Bloch House 0 kWh	/m²	
Monthly Cost per Square Meter		
Burnage 613 R	/m²	
Isaac Albow Building 391 R	/m²	
Neville Alexander Building 60 R	/m²	
Beattie Block 45 R	/m²	
Monthly "Night" Time Energy Usage		
	3%	
Burnage	1%	
Cottage & Glenara 3	3%	
Rachel Bloch House	5%	
Change in Month-on-Month Energy		
Burnage	7%	
Isaac Albow Building	7%	
Welgelegen	9%	
Harry Oppenheimer Institute	5%	
Maximum Demand		
Student Union Ext. and Otto Beit 485 k	VA	
Geological Ext. Science Building 149 k	VA	
Educare and Extension 7 k	VA	
Rachel Bloch House	VA	
Change in Month-on-Month Maximum Demand		
Isaac Albow Building	00/	
	9%	
	9% 4%	
Rachel Bloch House -4		

LECTURE VENUE

Monthly Electricity Cost		
Molecular	R 463 786	
PD Hahn	R 442 056	
Mechanical Engineering	R 4 979	
Lovers Walk Houses	R I 725	
Monthly Energy Us	sage	
Molecular	297 216 kWł	
PD Hahn	278 959 kWł	
Mechanical Engineering	1 553 kWł	
Lovers Walk Houses	869 kWł	
Monthly Energy Usage per S	Square Meter	
SLC and Upalong	51 kWh/m	
Computer Science	26 kWh/m	
Geological Science Building	l kWh/m	
Mechanical Engineering	0 kWh/m	
Monthly Cost per Squa	re Meter	
SLC and Upalong	899 R/m	
New PC Lab and Beattie Building	511 R/m	
Mechanical Engineering	19 R/m	
Leslie Social Sciences	16 R/m	
Monthly "Night" Time En	ergy Usage	
Lovers Walk Houses	1769	
Computer Science	92%	
School Of Music	449	
Mechanical Engineering	309	
Change in Month-on-Mor	th Energy	
Lovers Walk Houses	619	
Mechanical Engineering	149	
School Of Ballet	-159	
School Of Music	-199	
Maximum Dema	nd	
Molecular	600 kVA	
PD Hahn	573 kVA	
Geological Science Building	15 kV/	
Lovers Walk Houses	4 kV/	
Change in Month-on-Month Ma		
Zoology	319	
Lovers Walk Houses	179	
Masengene	-15%	
Leslie Social Sciences	-212	

RESIDENCE Monthly Electricity Cost Leo Marquard Hall R 154 696 Tugwell Hall R 141 645 R 51 970 Baxter Hall All Africa House R 44 838 Monthly Energy Usage Leo Marguard Hall 84 850 kWh Tugwell Hall 74 091 kWh Baxter Hall 26 052 kWh All Africa House 24 226 kWh Monthly Energy Usage per Square Meter Fuller Hall 10 kWh/m² Leo Marquard Hall 9 kWh/m² Smuts Hall 4 kWh/m² 3 kWh/m² Baxter Hall Monthly Cost per Square Meter Fuller Hall 75 R/m² All Africa House 69 R/m² Smuts Hall 36 R/m² 21 R/m² Graca Machal Residence Monthly "Night" Time Energy Usage Baxter Hall 128% 106% Smuts Hall Leo Marguard Hall 81% Oppenheimer Housing and Woolsack 55% Change in Month-on-Month Energy All Africa House 1% -3% Oppenheimer Housing and Woolsack -22% Baxter Hall -24% Smuts Hall Maximum Demand Tugwell Hall 309 kVA 298 kVA Kopano Residence Smuts Hall 126 kVA All Africa House 87 kVA Change in Month-on-Month Maximum Demand Kopano Residence 4% All Africa House 1% Fuller Hall **-9**% Tugwell Hall -12%

Highest

Lowest