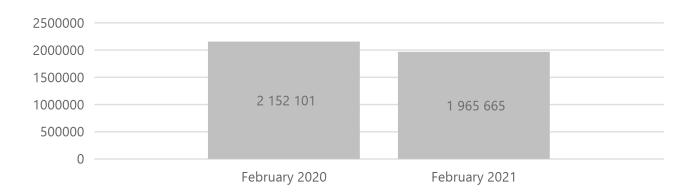
UCT Benchmark Energy Report

Year on year Total kWh comparison for UCT



Total Monthly Electricity Cost

The figure below summarize monthly energy costs .

OFFICE

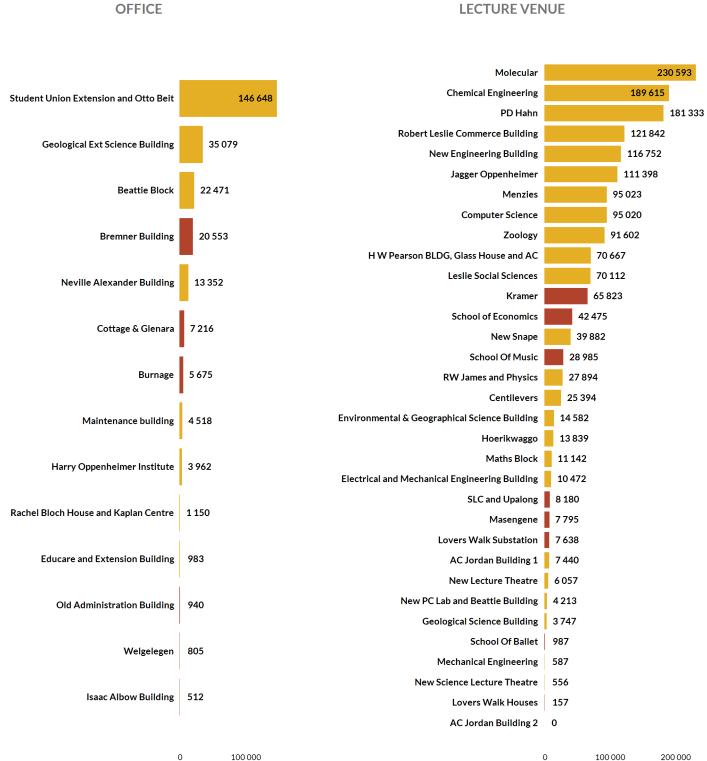
LECTURE VENUE

		Molecular	R 298 120		
Student Union Extension and Otto Beit	R 190 335	PD Hahn	R 233 894		
	K1/0000	Chemical Engineering	R 229 820		
Geological Ext Science Building	R 52 913	Robert Leslie Commerce Building	R 153 071		
	K 52 913	New Engineering Building	R 150 983		
Beattie Block		Jagger Oppenheimer	R 141 829		
	R 33 195	Menzies	R 124 753		
		Zoology	R 118 797		
Bremner Building	R 24 128	Kramer	R 105 373		
		Leslie Social Sciences	R 99 525		
Neville Alexander Building	R 19 352	H W Pearson BLDG, Glass House and AC	R 89 801		
		New Snape	R 56 034		
Cottage & Glenara	R 10 582	School of Economics	R 50 244		
	R 10 582	School Of Music	R 46 387		
Burnage	l	RW James and Physics	R 36 994		
	R 7 023	Computer Science	R 34 084		
Maintenance building	R 6 410	Centilevers	R 32 230		
		Environmental & Geographical Science Building	R 18 007		
		SLC and Upalong			
Harry Oppenheimer Institute	R 5 502	Hoerikwaggo	R 16 761		
		New Lecture Theatre	R 14 939		
Educare and Extension Building	P 2 790	Maths Block			
	K2770	Electrical and Mechanical Engineering Building	R 13 955		
Rachel Bloch House and Kaplan Centre		Masengene	-		
	R 2 116	AC Jordan Building 1			
Old Administration Building		Lovers Walk Substation			
	R 1 514	New PC Lab and Beattie Building	-		
	1	Geological Science Building	-		
Welgelegen	R 1 177	New Science Lecture Theatre			
		School Of Ballet			
Isaac Albow Building	R 905	Mechanical Engineering			
isaac Albow Building	K 705	Lovers Walk Houses	· · · · · · · · · · · · · · · · · · ·		
		AC Jordan Building 2	κu		



Monthly Energy Usage (kWh)

The figures in the graphs above represent the total energy consumption measured in kWh's over the reporting period. The less kWh's consumed within a particular month directly equates to alower electricity bill.



Region Key: ower Campus



Monthly Energy Usage per Square Meter(kWh/m2)

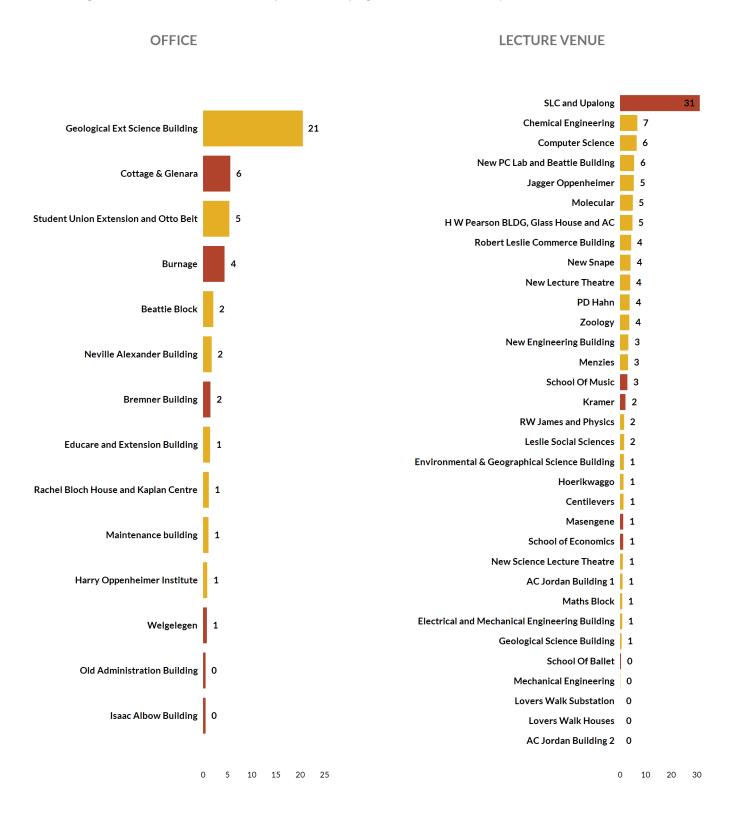
The monthly energy usage per square meter is a benchmarking metric to determine energy usage intensities. The benchmarking metric compares energy intensity figures of similar operations.





Monthly Energy Cost per Square Meter(R/m2)

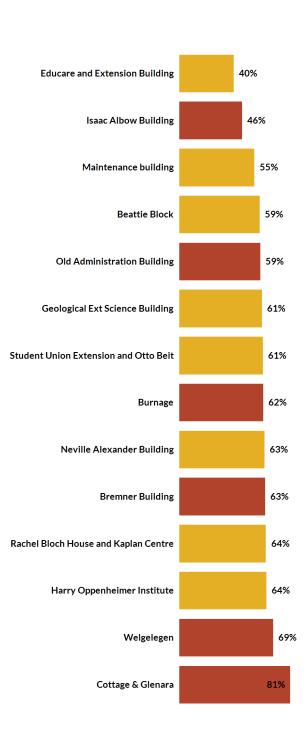
The monthly cost (R) per square meter (m2) is a benchmarking metric to determine energy cost intensities. The benchmarking metric is useful in order to compare intensity figures to other similar operations.





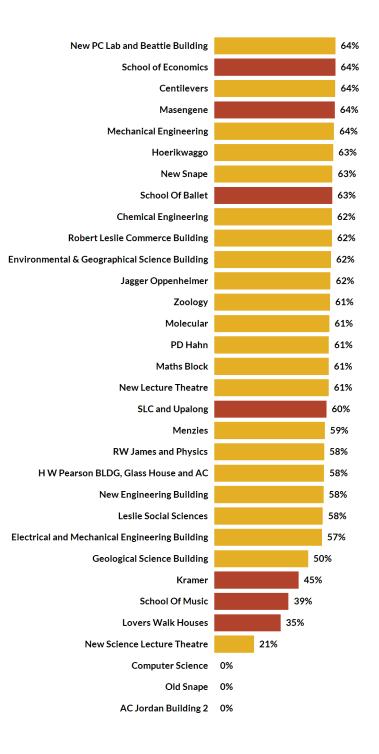
Monthly "Night" Time Energy Usage (kWh)

The figures below compares your energy usage during open hours to energy usage during closed hours. The aim is to minimise your closed time energy usage (lowest % possible). Open hours used : (Weekday: 08:00 - 17:30, Saturday : 08:00 - 13:00, Sunday: 08:00 - 13:00)



OFFICE

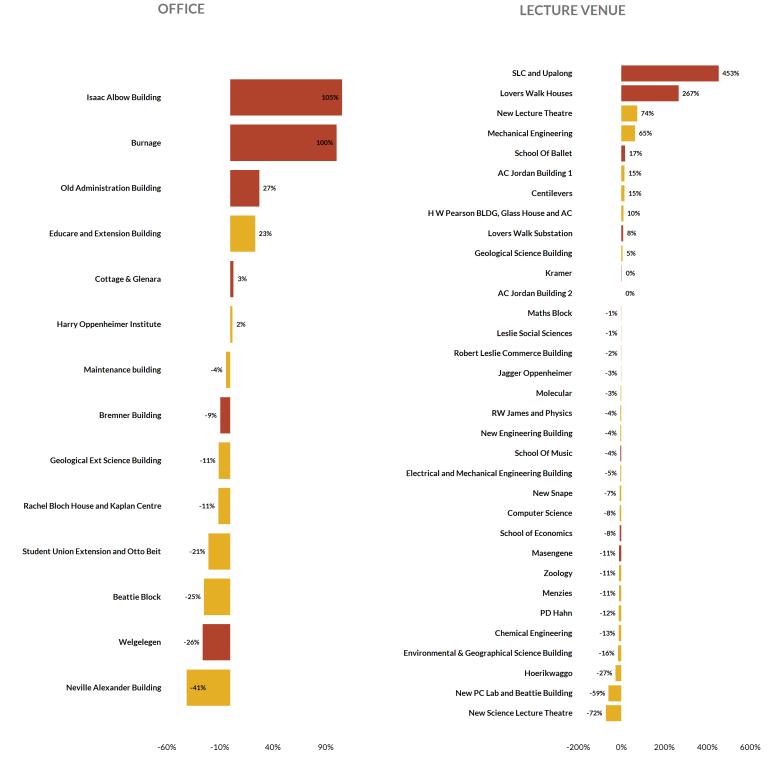
LECTURE VENUE





Change in Month on Month Energy Usage (Change in kWh as a %)

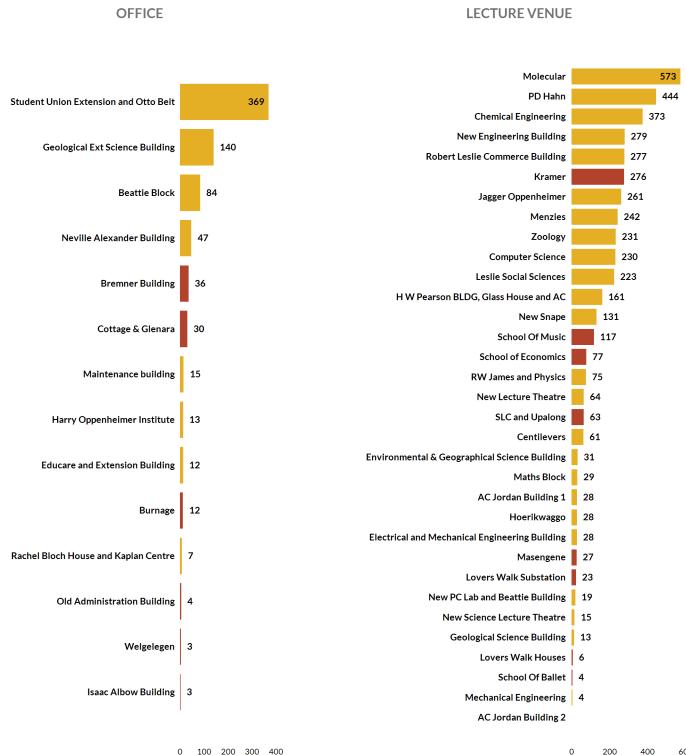
The figure below compares energy used last month to this month, shown as a percentage. A positive number shows an increase in energy usage and a negative number shows a decrease in energy usage form last month to this month.





Monthly Maximum Demand (kVA)

Maximum demand is the single highest peak power requirement over a billing period. Maximum demand is an important value to watch as maximum demand charges can amount up to 50% of the total electricity bill.



200 400 600

100 200 300 400



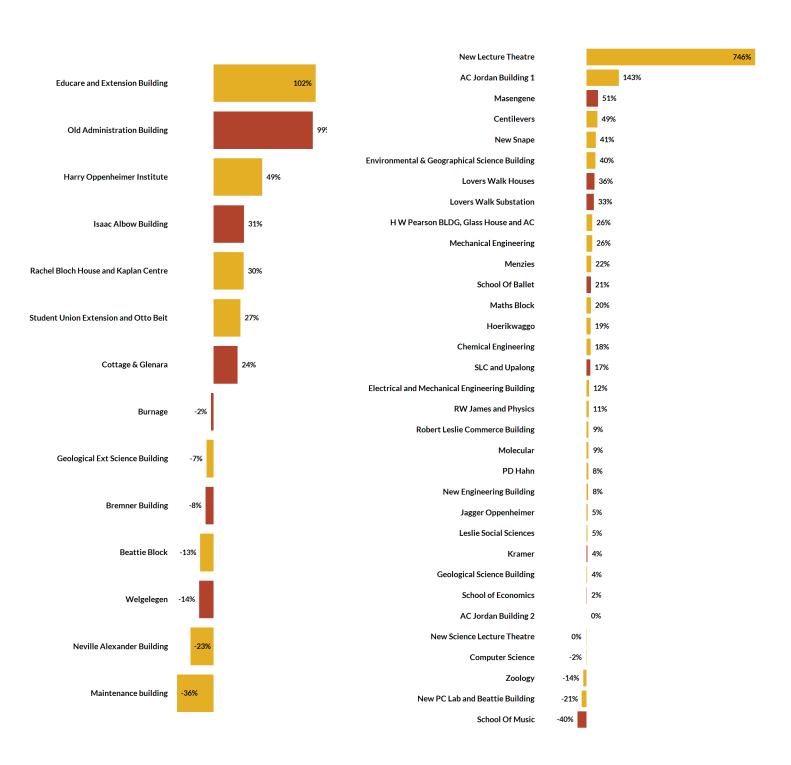


Change in Month on Month Maximum Demand (Change in kVA as a %)

The figure below compares maximum demand value from last month to this month, shown as a percentage. A positive number shows an increase in maximum demand and a negative number shows a decrease in maximum demand.

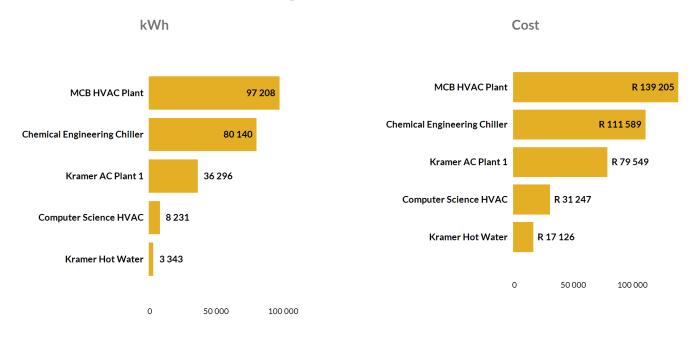
LECTURE VENUE

OFFICE





HVAC and Water Heating



Generator Monthly Energy Usage (kWh)

Upper Campus Maintenance Generator								6879	
Molecular Biology Building Generator			1123						
Wolfson Pavillion Generator		681							
Upper Campus Data Centre Generator		573							
New Chemical Engineering Generator		565							
ICTS Mowbray DC Generator		555							
Jameson Hall Generator		517							
Falmouth Generator		410							
Kramer Law School Generator		360							
OBS Square Residence Generator		339							
Bremner Data Centre Generator		311							
New Civil Engineering Generator		309							
Chris Barnard BLD - Level 8 Roof Generator		285							
PD Hahn Building Generator		269							
Maintenance Building Generator		249							
Sports Centre Generator		233							
Hiddingh Generator		226							
Leslie Com Building Generator	1	199							
RW James Building Generator	1	92							
School of Economics Generator	1	67							
Engeo Building Generator	1	17							
Chris Barnard BLD - Level 7 RM2 Generator	1	13							
Beattie Building Generator	9	7							
NLT Generator	71	L							
Animal House Generator	65	;							
Chris Barnard BLD Level 7 RM1 Generator	62	2							
Chris Barnard BLD Level 7 RM3 Generator	59	P							
Werner Beit Cryogenics Generator	49								
ICTS Mowbray Generator	38								
Rochester House Generator	29								
Anatomy Building Generator	17								
Mill Court Generator	15								
PD Hahn Flammable Store Generator	13								
Psychology PD Building Generator	3								
Werner Beit South Generator	2								
	~	4.00	0 0000	0.000	4.000	5 000	(000	7.000	0.000
	0	100	0 2000	3 000	4 000	5 000	6 000	7 000	8 000

