Total Monthly Electricity Cost (R)

STUDENT RESIDENCE

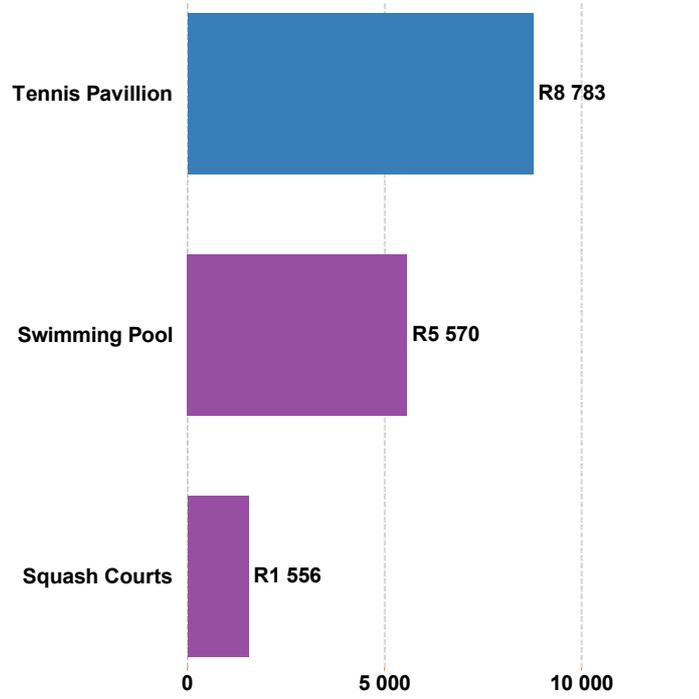| Residence	Cost
Tugwell Hall	R100 974
Leo Marquard Hall	R96 101
Kopano Residence	R85 154
Graca Machel Res...	R73 535
Fuller Hall	R57 760
Oppenheimer Hou...	R46 518
Smuts Hall	R38 744
Baxter Hall	R29 296
All Africa House	R18 869

THEATRE COMPLEX

Location	Cost
Baxter Theatre	R83 652
Restaurant	R15 578
TV AC - MCC AC3	R3 853
TV Studio - DB2	R911

SPORT

Location	Cost
Tennis Pavillion	R8 783
Swimming Pool	R5 570
Squash Courts	R1 556
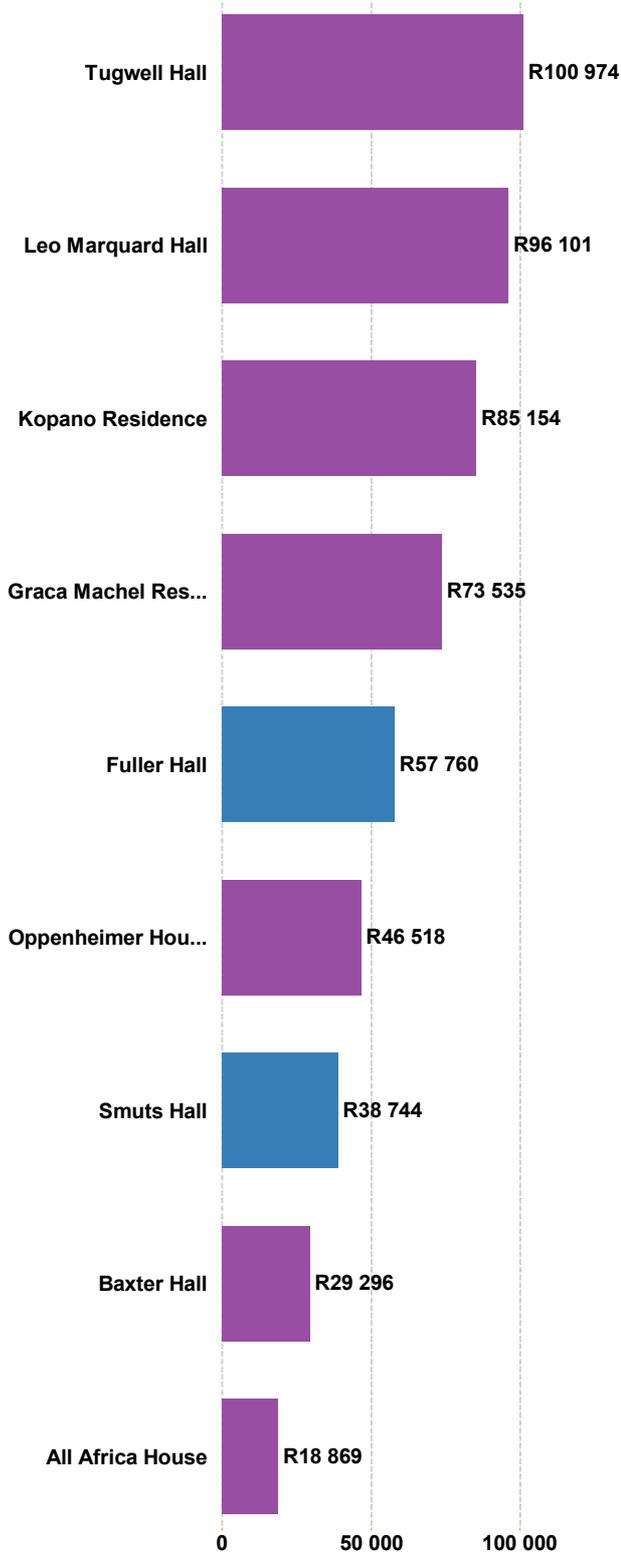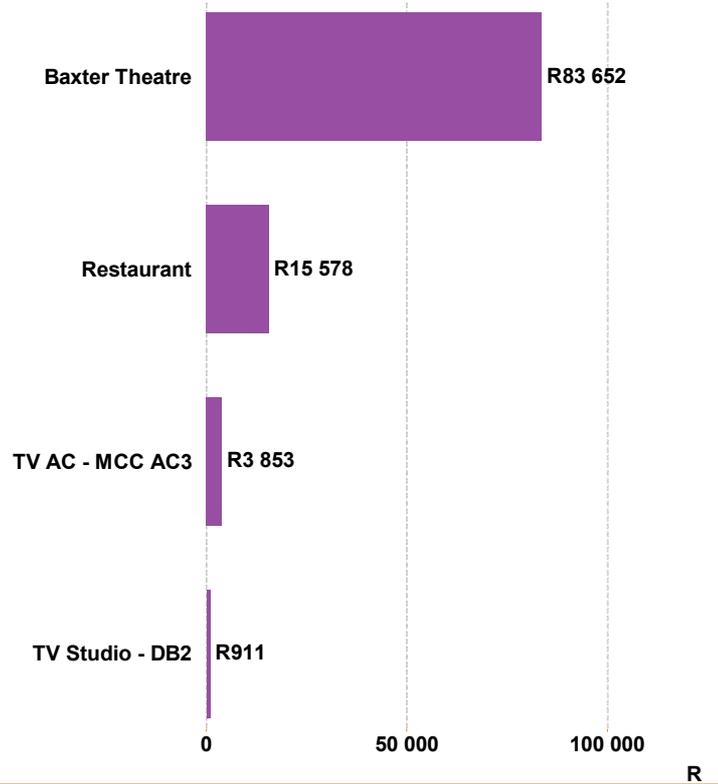
Region Key:

Lower Campus
Upper Campus

The figures above summarize monthly energy costs.

TERRA FIRMA SOFTWARE

Report Period: Apr 2018

Monthly Energy Usage (kWh)

STUDENT RESIDENCE

Residence	kWh
Tugwell Hall	106 877
Leo Marquard Hall	101 106
Kopano Residence	90 464
Graca Machel Res...	74 774
Fuller Hall	57 060
Oppenheimer Hou...	46 797
Smuts Hall	42 806
Baxter Hall	28 853
All Africa House	17 533

Ave:62919

THEATRE COMPLEX

Complex	kWh
Baxter Theatre	61 648
Restaurant	16 011
TV AC - MCC AC3	4 633
TV Studio - DB2	727

Ave: 16604

SPORT

Facility	kWh
Swimming Pool	4 798
Tennis Pavillion	4 782
Squash Courts	1 682

Ave: 2816
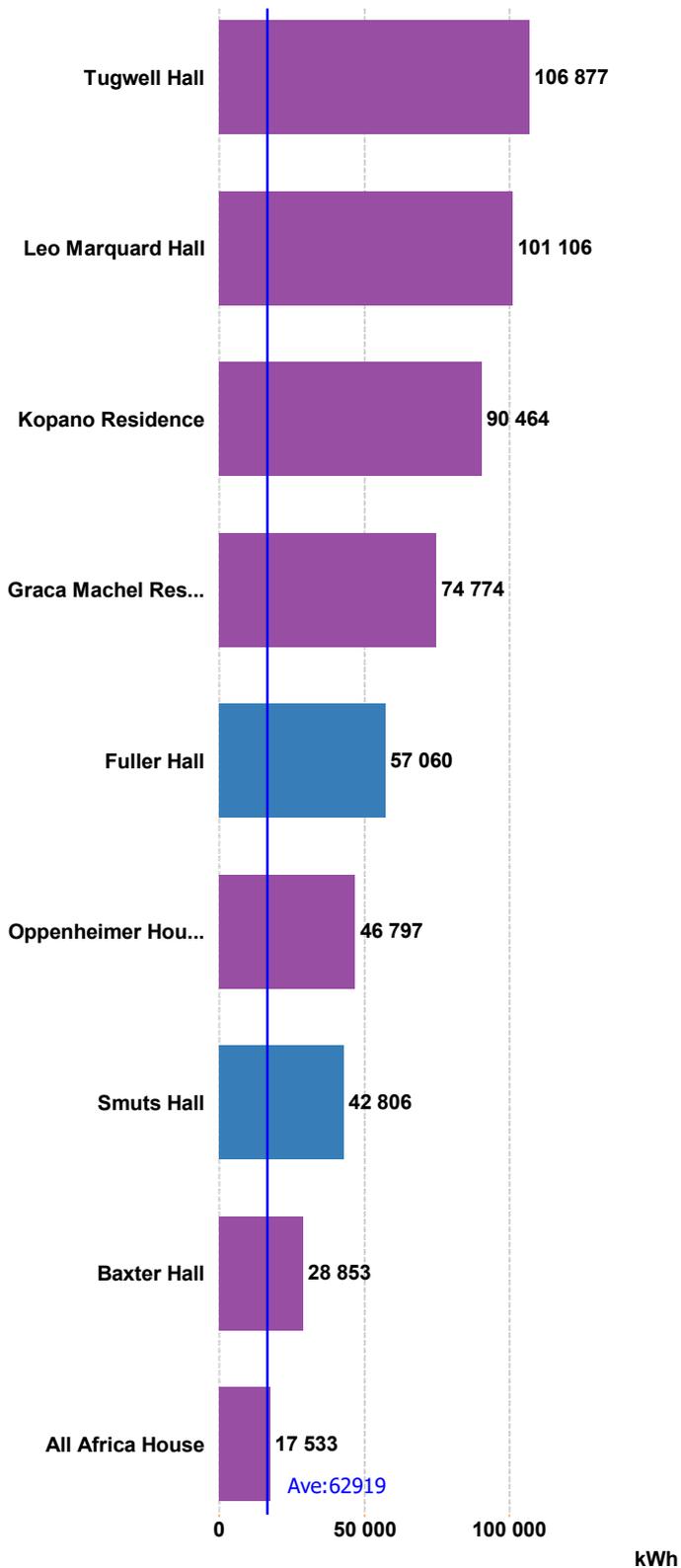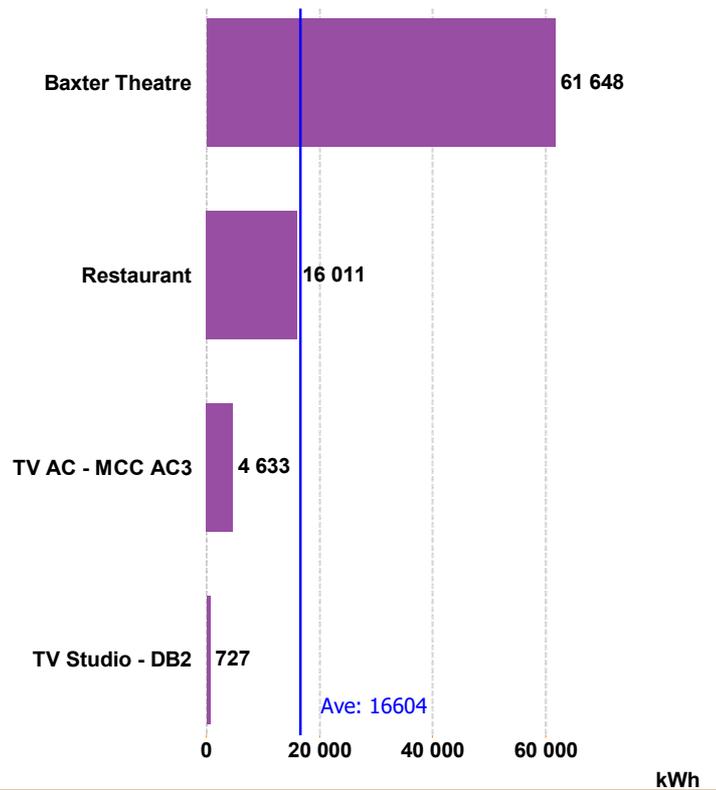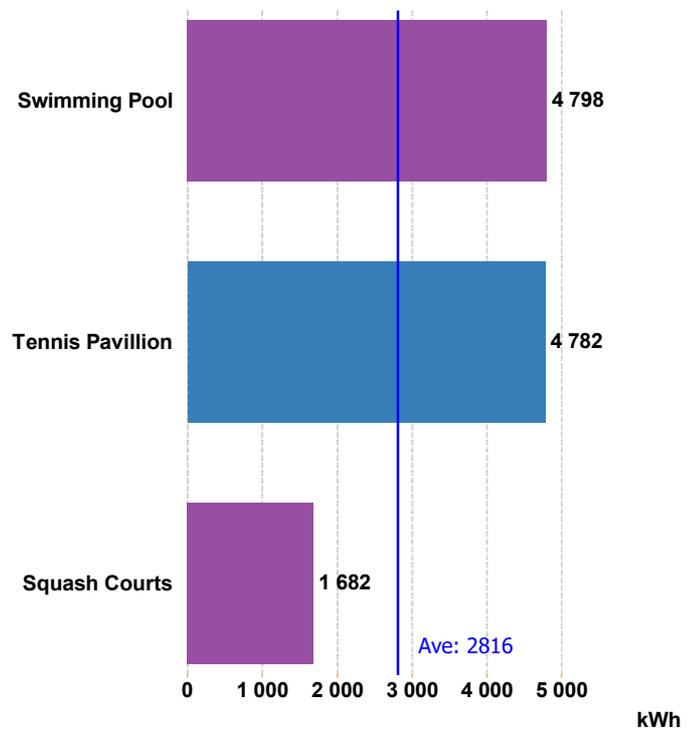
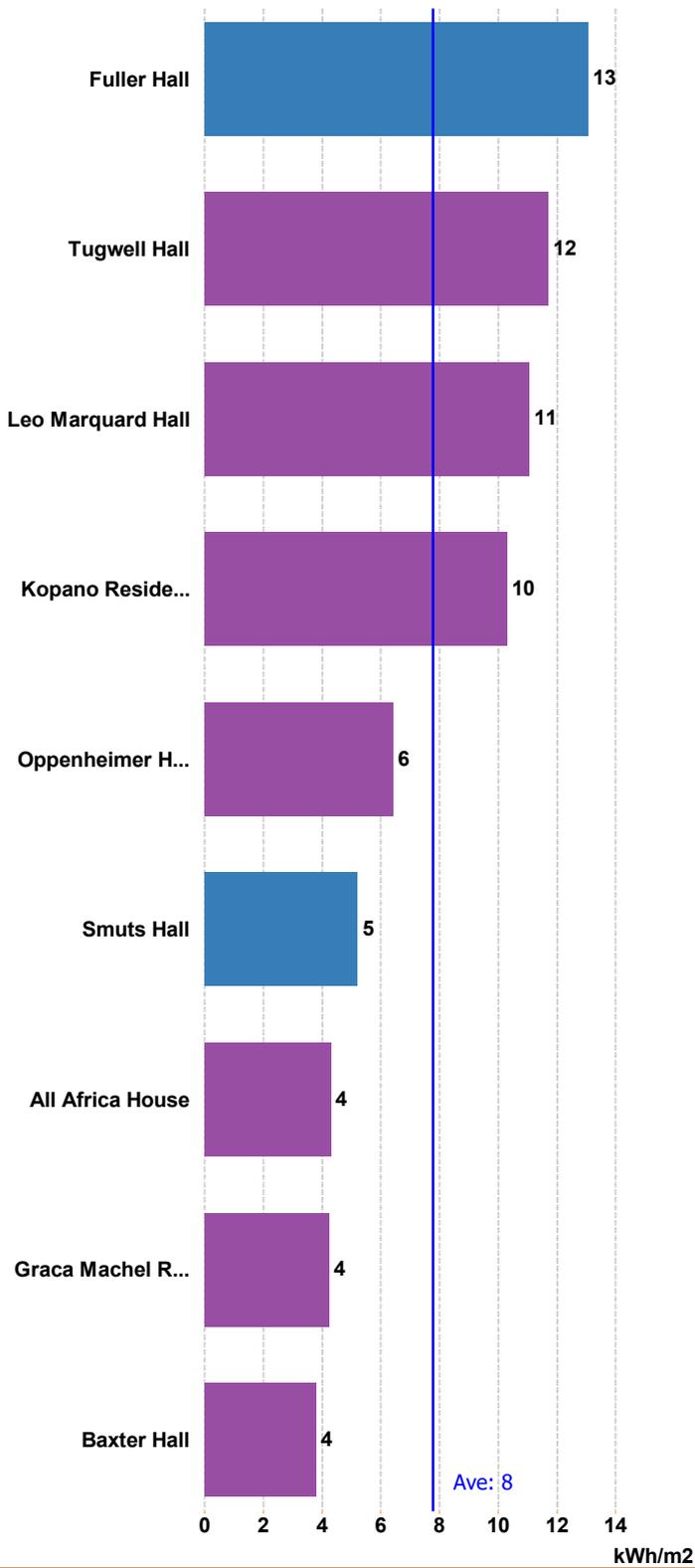**Region Key:**

Lower Campus
Upper Campus

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 a lower electricity bill.
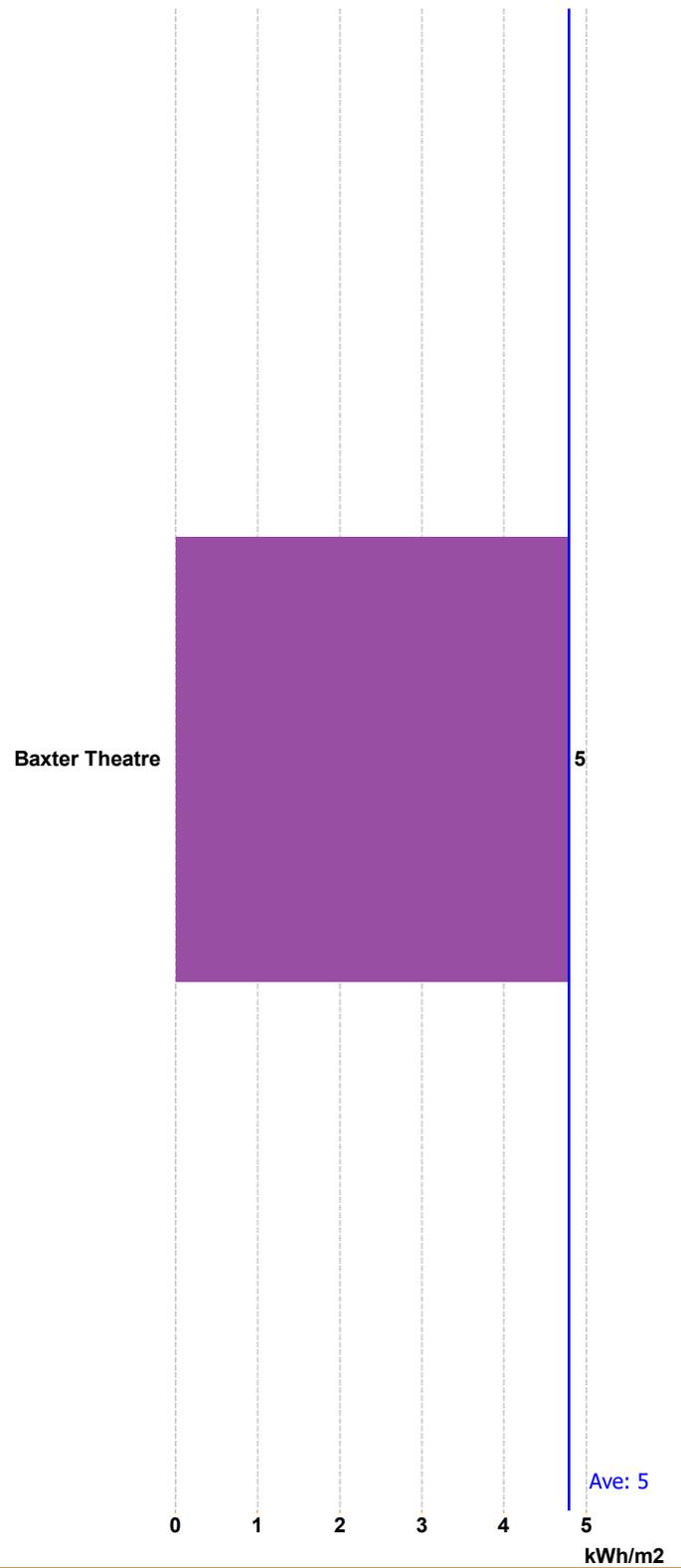
TERRA FIRMA SOFTWARE

Report Period: Apr 2018

Monthly Energy Usage per Square Meter (kWh/m2)

STUDENT RESIDENCE

Residence	kWh/m2
Fuller Hall	13
Tugwell Hall	12
Leo Marquard Hall	11
Kopano Reside...	10
Oppenheimer H...	6
Smuts Hall	5
All Africa House	4
Graca Machel R...	4
Baxter Hall	4

Ave: 8

kWh/m2

THEATRE COMPLEX

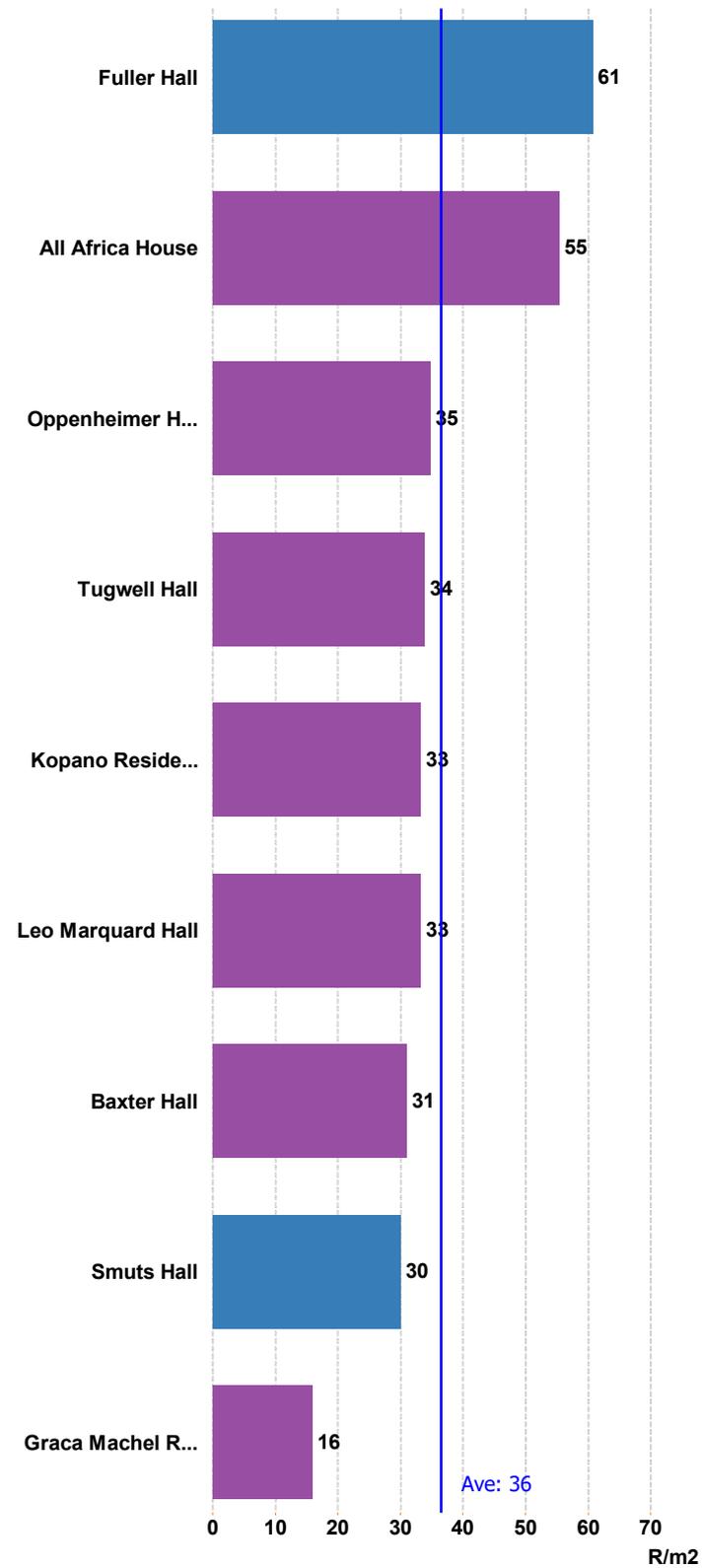| Complex	kWh/m2
Baxter Theatre	5

Ave: 5

kWh/m2

Region Key:
Lower Campus
Upper Campus

The monthly energy usage per square meter (m²) is a benchmarking metric to determine energy usage intensities. The benchmarking metric compares energy intensity figures of similar operations. For example, site "X" has an energy intensity of 400 kWh/m2, and site "Y" has an intensity of 250 kWh/m2. Site "Y" with the lower energy intensity is deemed to be more efficient.
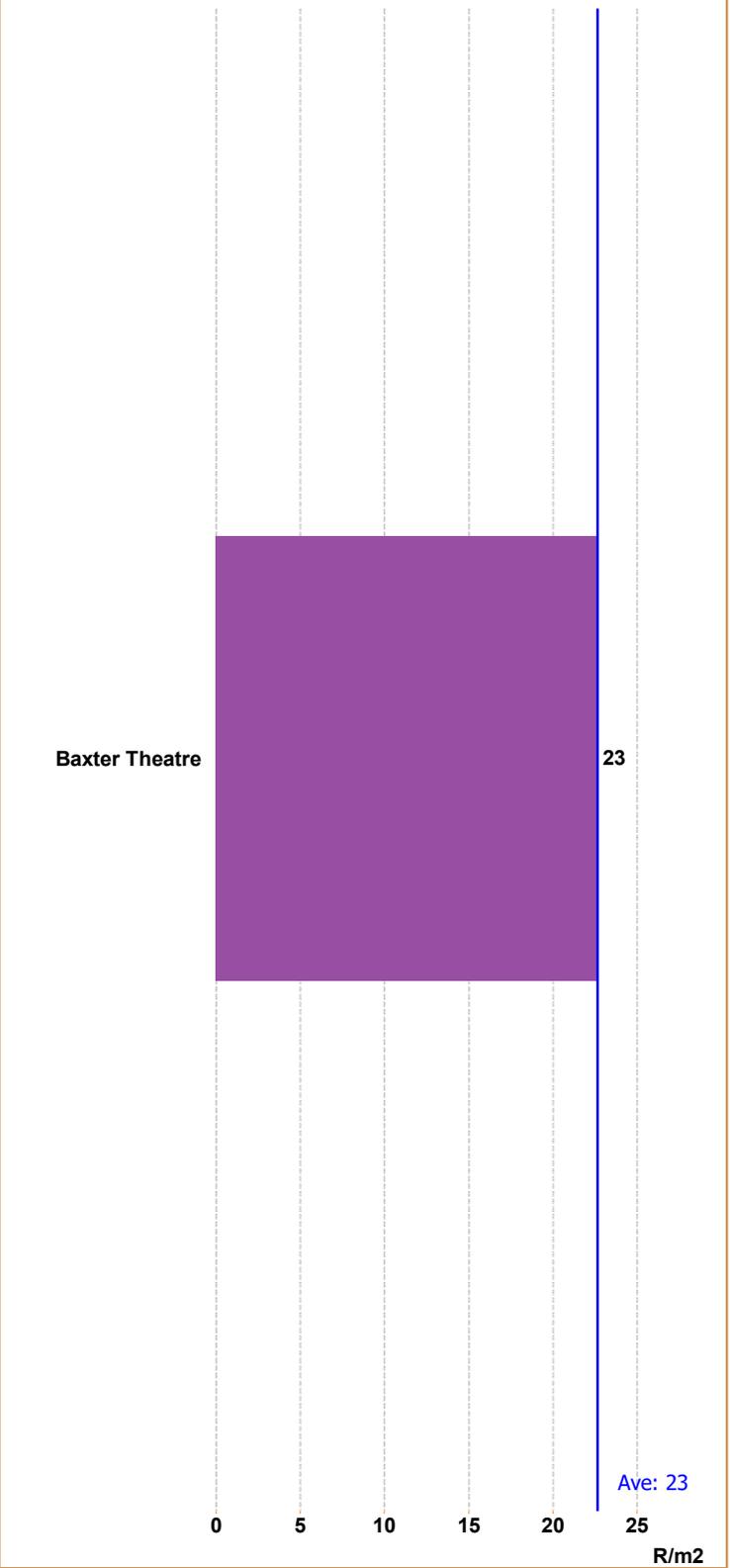
Monthly Energy Cost per Square Meter (R/m2)

STUDENT RESIDENCE

Residence	R/m2
Fuller Hall	61
All Africa House	55
Oppenheimer H...	35
Tugwell Hall	34
Kopano Reside...	33
Leo Marquard Hall	33
Baxter Hall	31
Smuts Hall	30
Graca Machel R...	16

Ave: 36

THEATRE COMPLEX

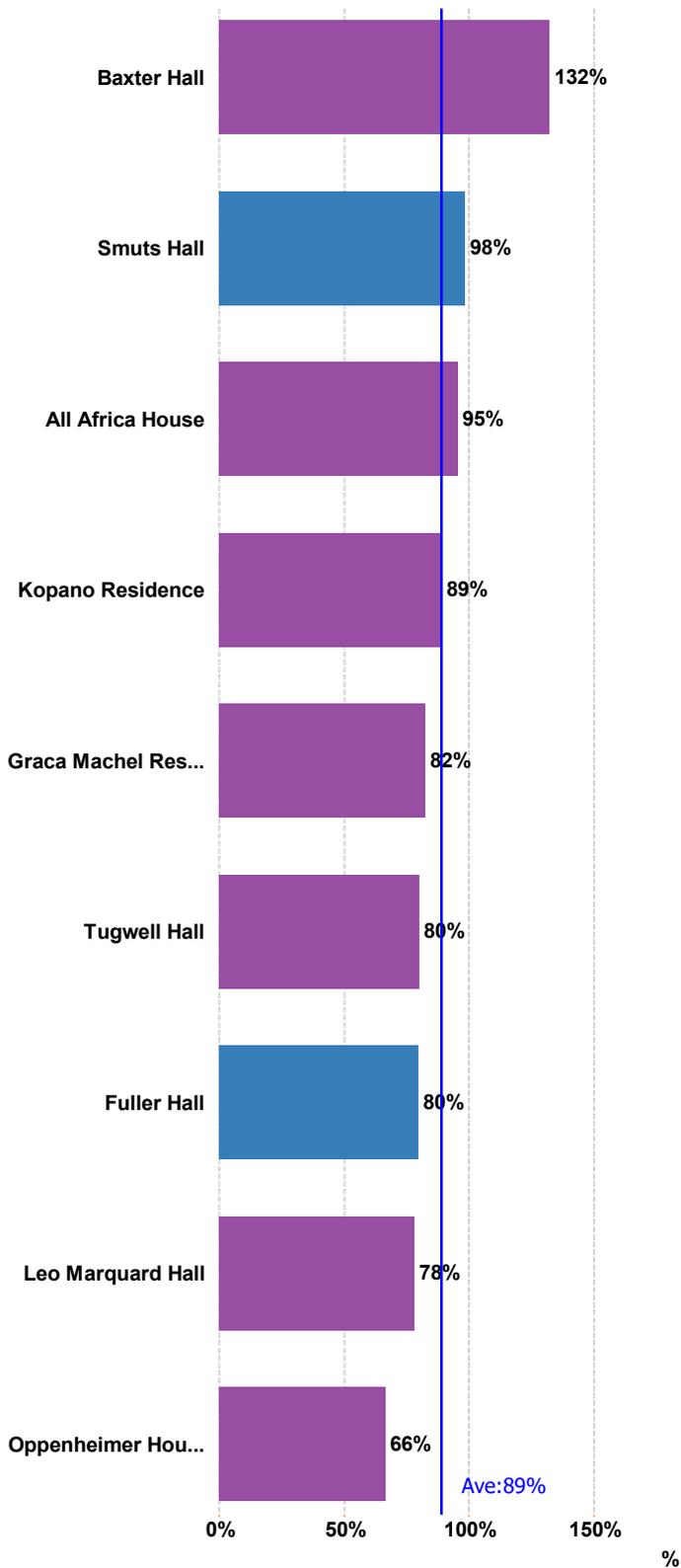| Complex	R/m2
Baxter Theatre	23

Ave: 23

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.
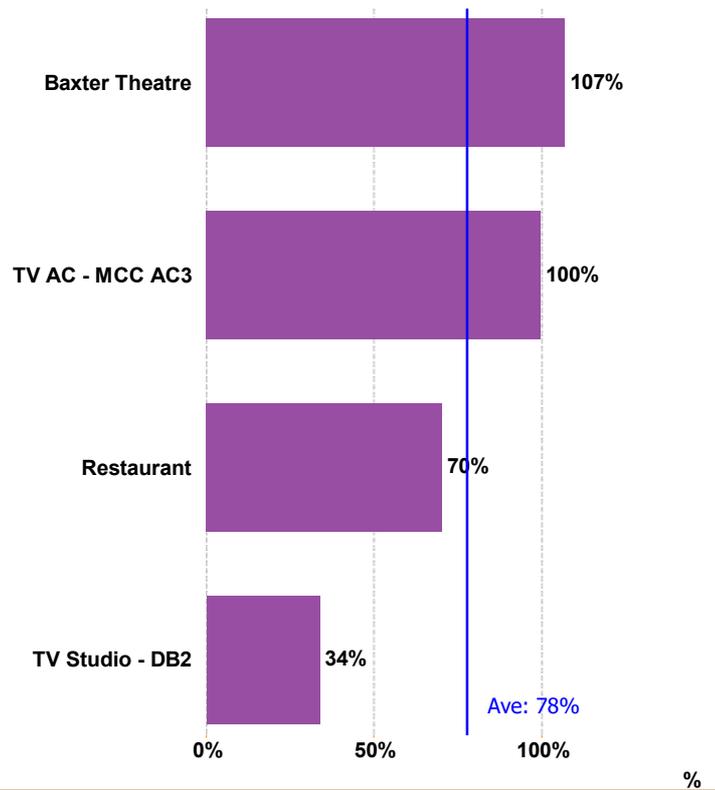
TERRA FIRMA SOFTWARE

Report Period: Apr 2018

Monthly "Night" Time Energy Usage (kWh)

STUDENT RESIDENCE

Residence	Usage
Baxter Hall	132%
Smuts Hall	98%
All Africa House	95%
Kopano Residence	89%
Graca Machel Res...	82%
Tugwell Hall	80%
Fuller Hall	80%
Leo Marquard Hall	78%
Oppenheimer Hou...	66%

Ave: 89%

THEATRE COMPLEX

Location	Usage
Baxter Theatre	107%
TV AC - MCC AC3	100%
Restaurant	70%
TV Studio - DB2	34%

Ave: 78%

SPORT

Location	Usage
Tennis Pavillion	248%
Squash Courts	95%
Swimming Pool	56%

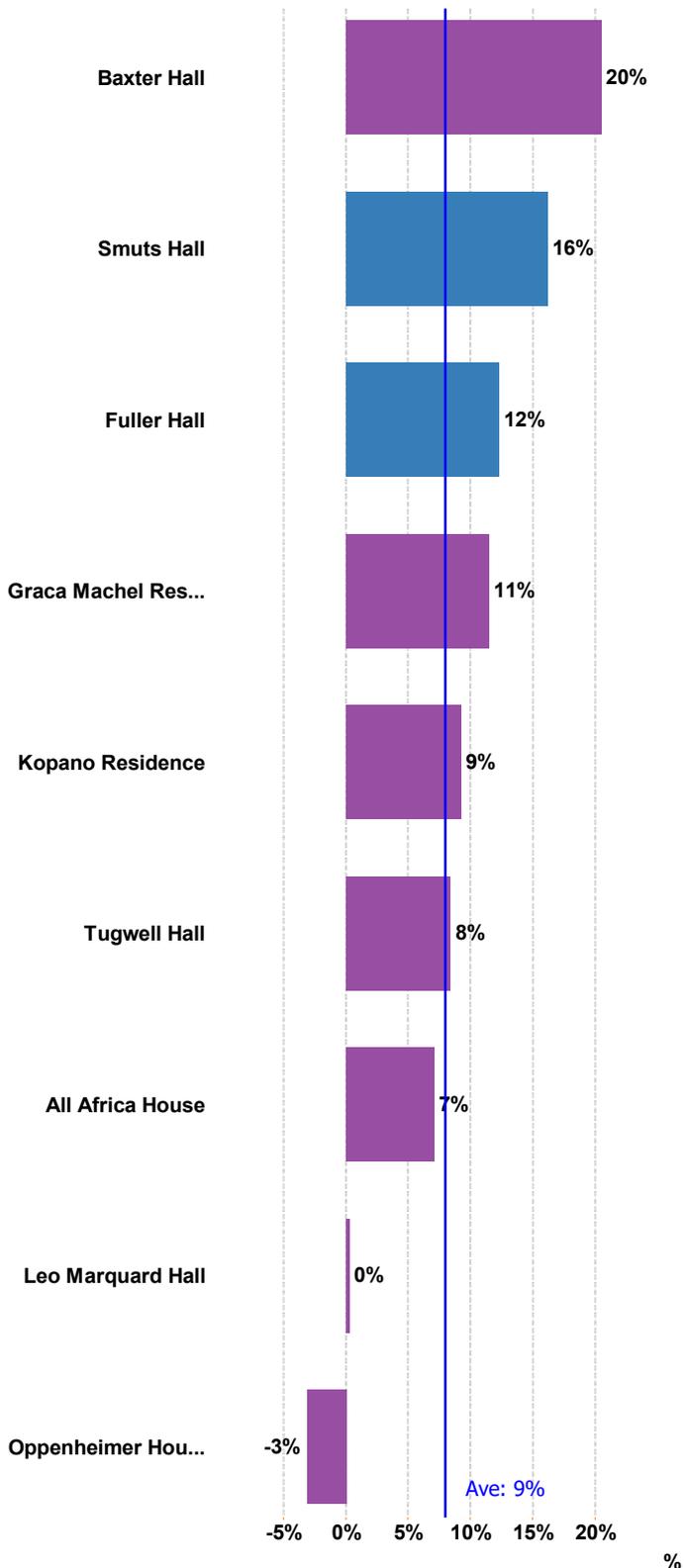Ave: 133%
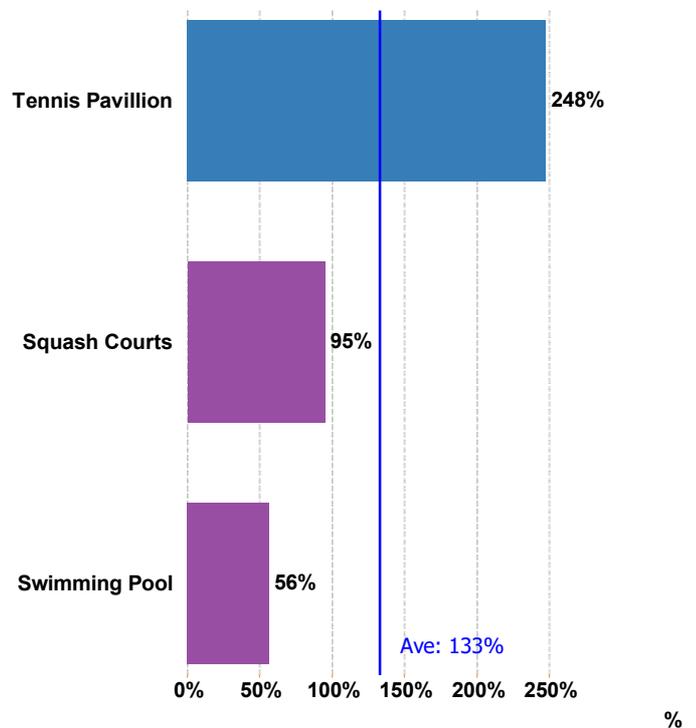
Region Key:
Lower Campus
Upper Campus

The figures above compare 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)
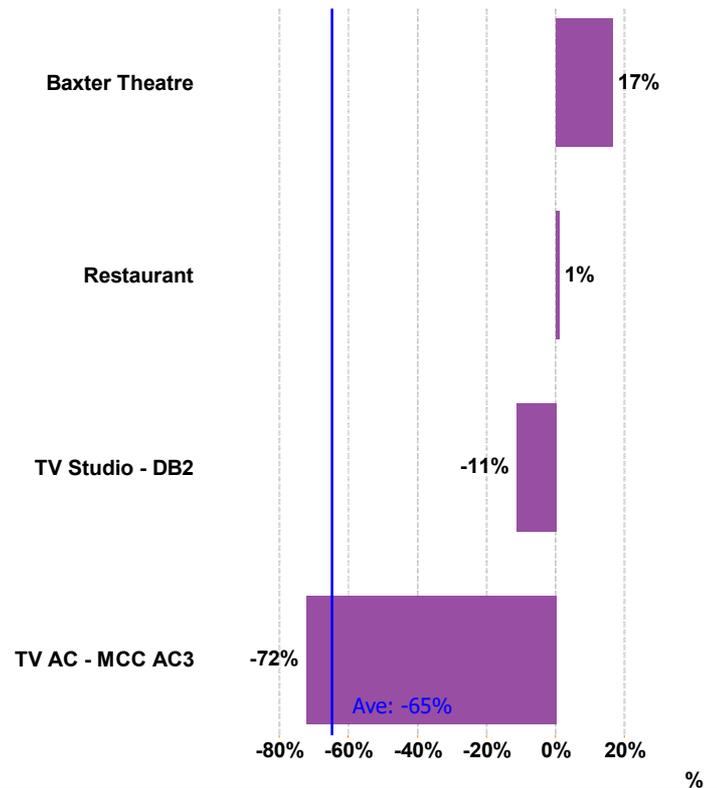
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Report Period: Apr 2018

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

STUDENT RESIDENCE

Residence	%
Baxter Hall	20%
Smuts Hall	16%
Fuller Hall	12%
Graca Machel Res...	11%
Kopano Residence	9%
Tugwell Hall	8%
All Africa House	7%
Leo Marquard Hall	0%
Oppenheimer Hou...	-3%

Ave: 9%

THEATRE COMPLEX

Location	%
Baxter Theatre	17%
Restaurant	1%
TV Studio - DB2	-11%
TV AC - MCC AC3	-72%

Ave: -65%

SPORT

Location	%
Squash Courts	11%
Tennis Pavillion	10%
Swimming Pool	5%
Soccer Field Fl...	-100%

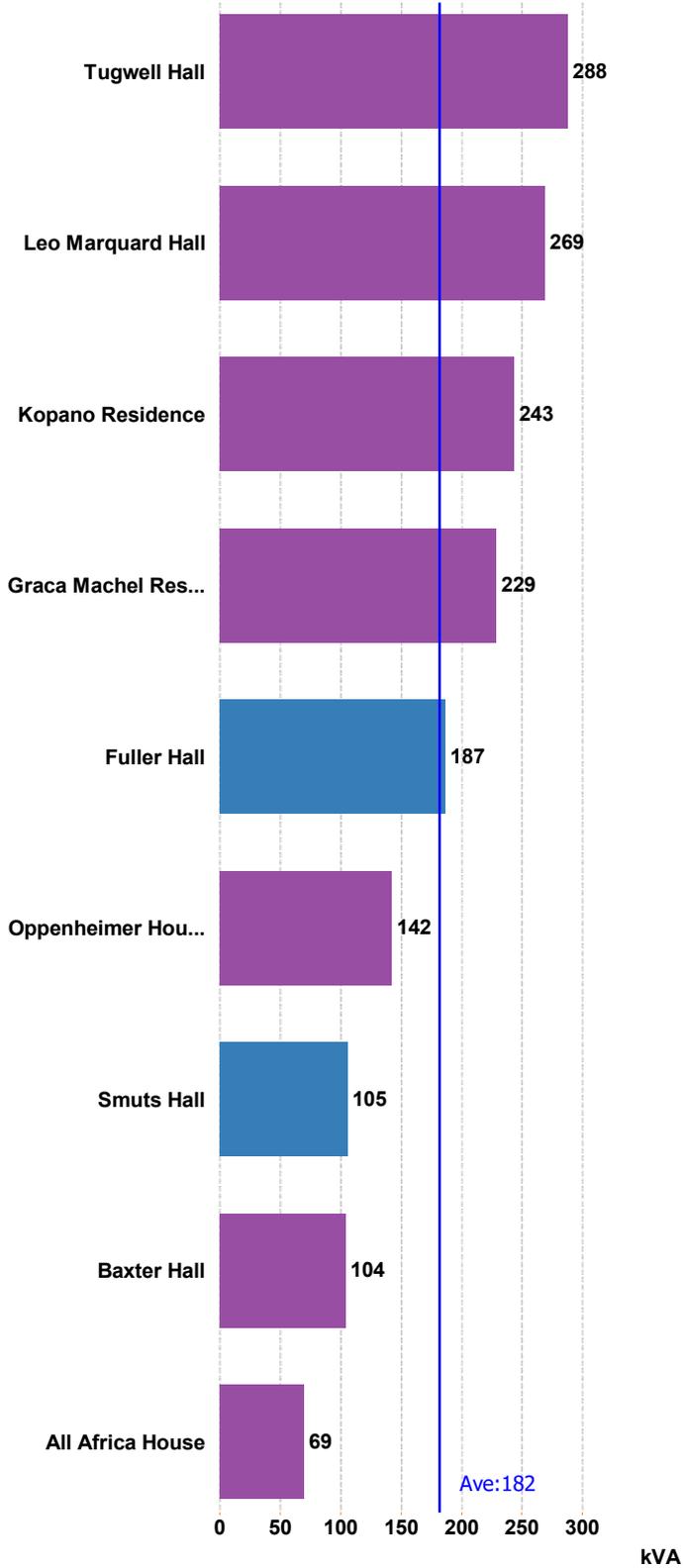Ave: -18%
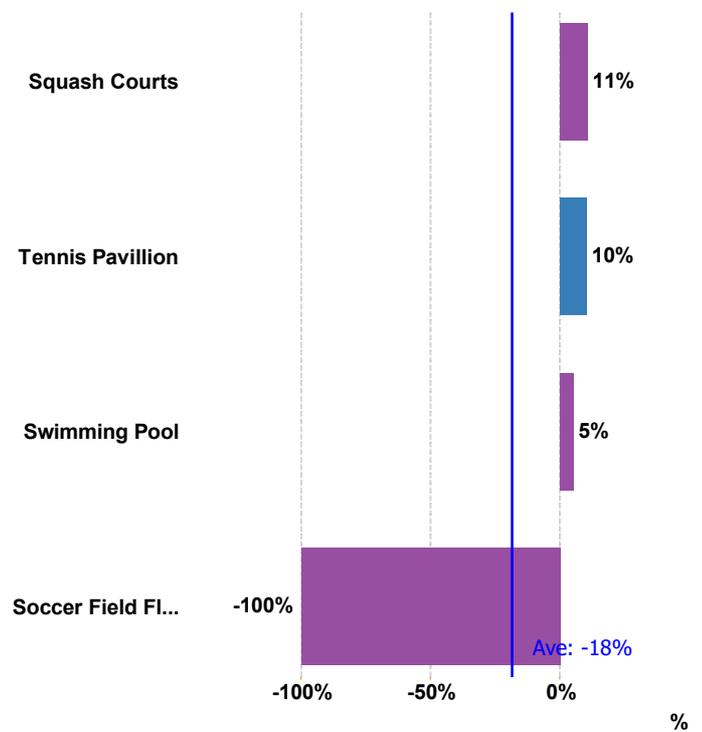
Region Key:

Lower Campus
Upper Campus

The figures above compare energy used last month to this month, 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.
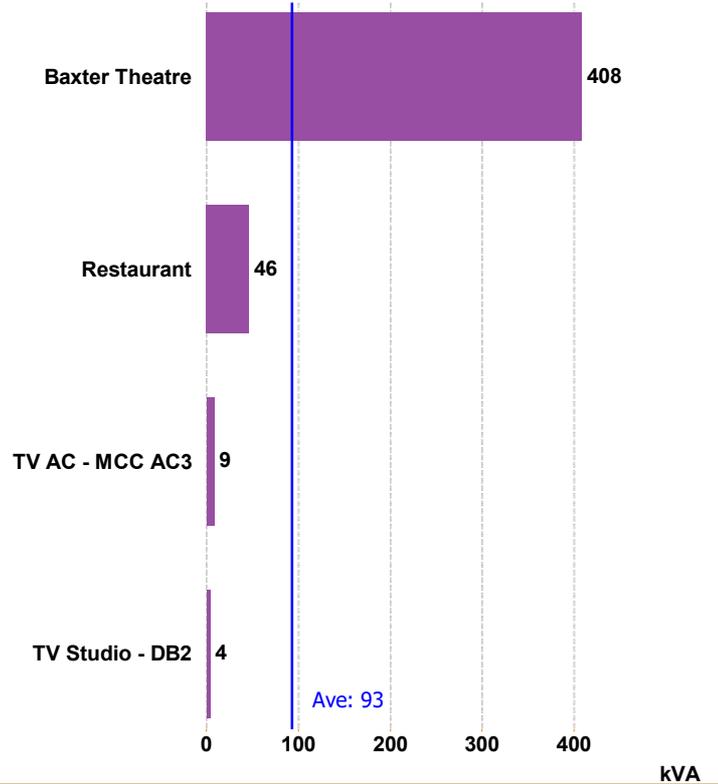
tf TERRA FIRMA SOFTWARE

Report Period: Apr 2018

Monthly Maximum Demand (kVA)

STUDENT RESIDENCE

Residence	kVA
Tugwell Hall	288
Leo Marquard Hall	269
Kopano Residence	243
Graca Machel Res...	229
Fuller Hall	187
Oppenheimer Hou...	142
Smuts Hall	105
Baxter Hall	104
All Africa House	69

Ave: 182

kVA

THEATRE COMPLEX

Location	kVA
Baxter Theatre	408
Restaurant	46
TV AC - MCC AC3	9
TV Studio - DB2	4

Ave: 93

kVA

SPORT

Location	kVA
Tennis Pavillion	54
Swimming Pool	21
Squash Courts	5

Ave: 20

kVA
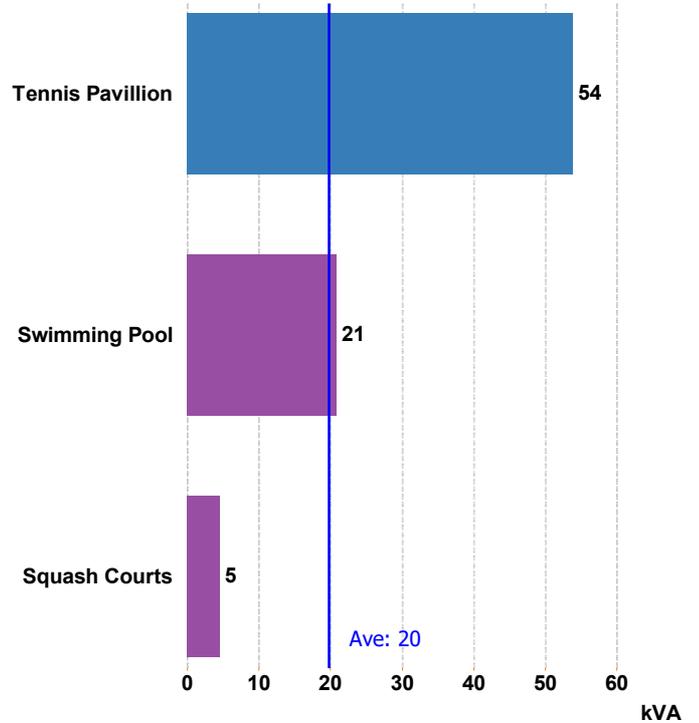
Region Key:
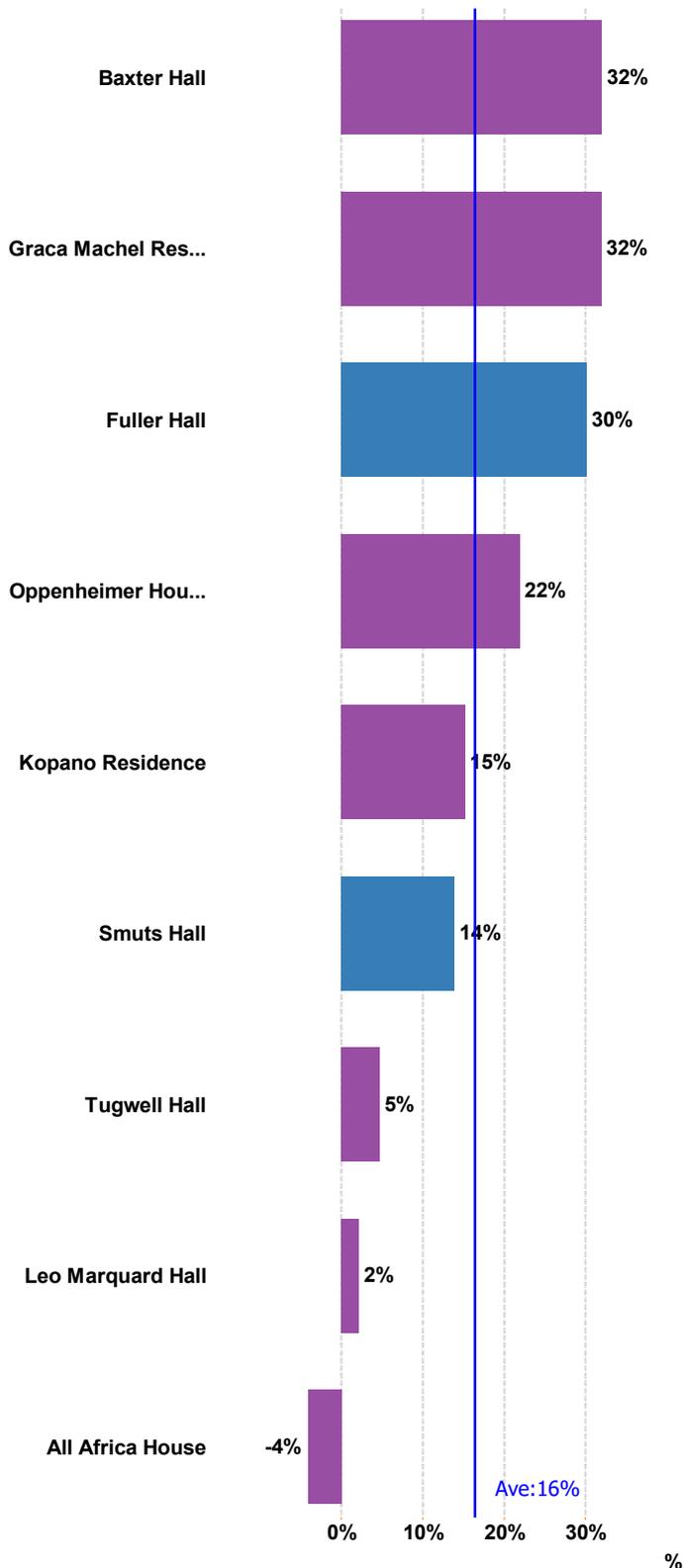Lower Campus
Upper Campus

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.
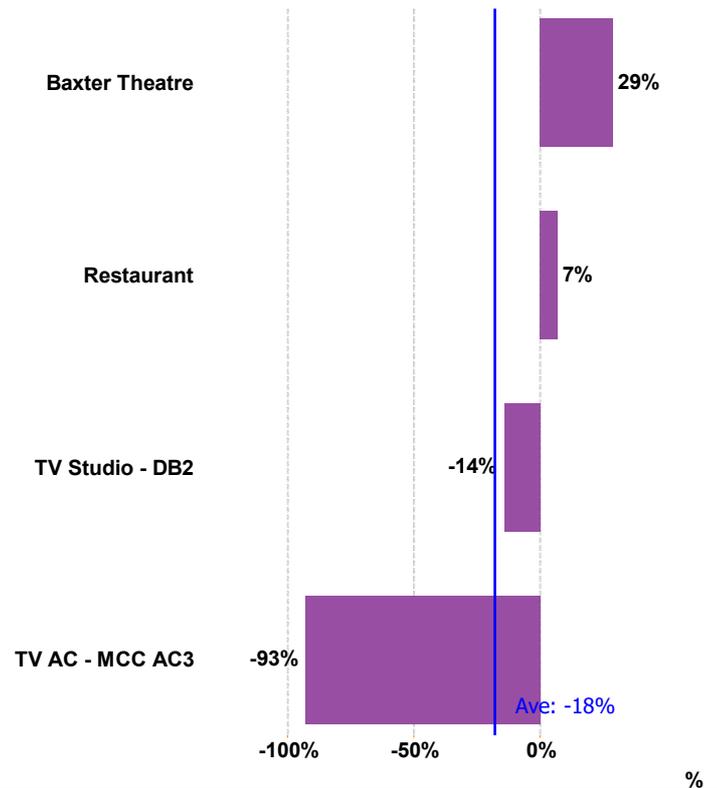
TERRA FIRMA SOFTWARE

Report Period: Apr 2018

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

STUDENT RESIDENCE

Baxter Hall	32%
Graca Machel Res...	32%
Fuller Hall	30%
Oppenheimer Hou...	22%
Kopano Residence	15%
Smuts Hall	14%
Tugwell Hall	5%
Leo Marquard Hall	2%
All Africa House	-4%

Ave:16%

THEATRE COMPLEX

Baxter Theatre	29%
Restaurant	7%
TV Studio - DB2	-14%
TV AC - MCC AC3	-93%

Ave: -18%

SPORT

Tennis Pavillion	28%
Squash Courts	25%
Swimming Pool	5%
Soccer Field Fl...	-100%

Ave: -11%
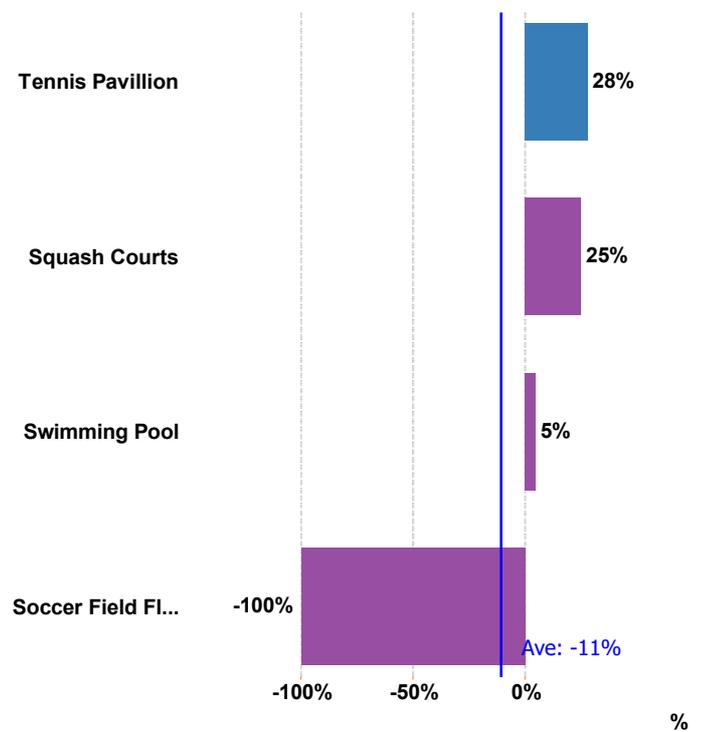
The figures above compare maximum demand values from last month to this month, as a percentage. A positive number shows an increase in maximum demand, and a negative number shows a decrease in maximum demand.

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Report Period: Apr 2018