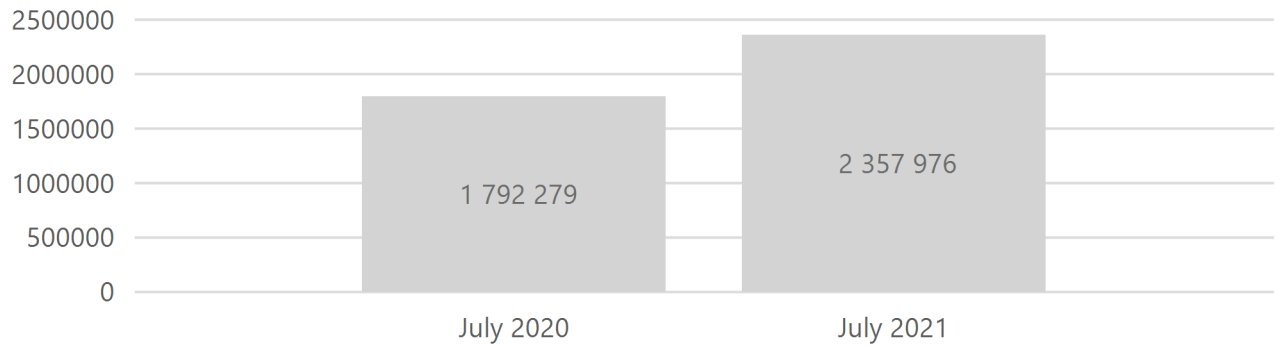
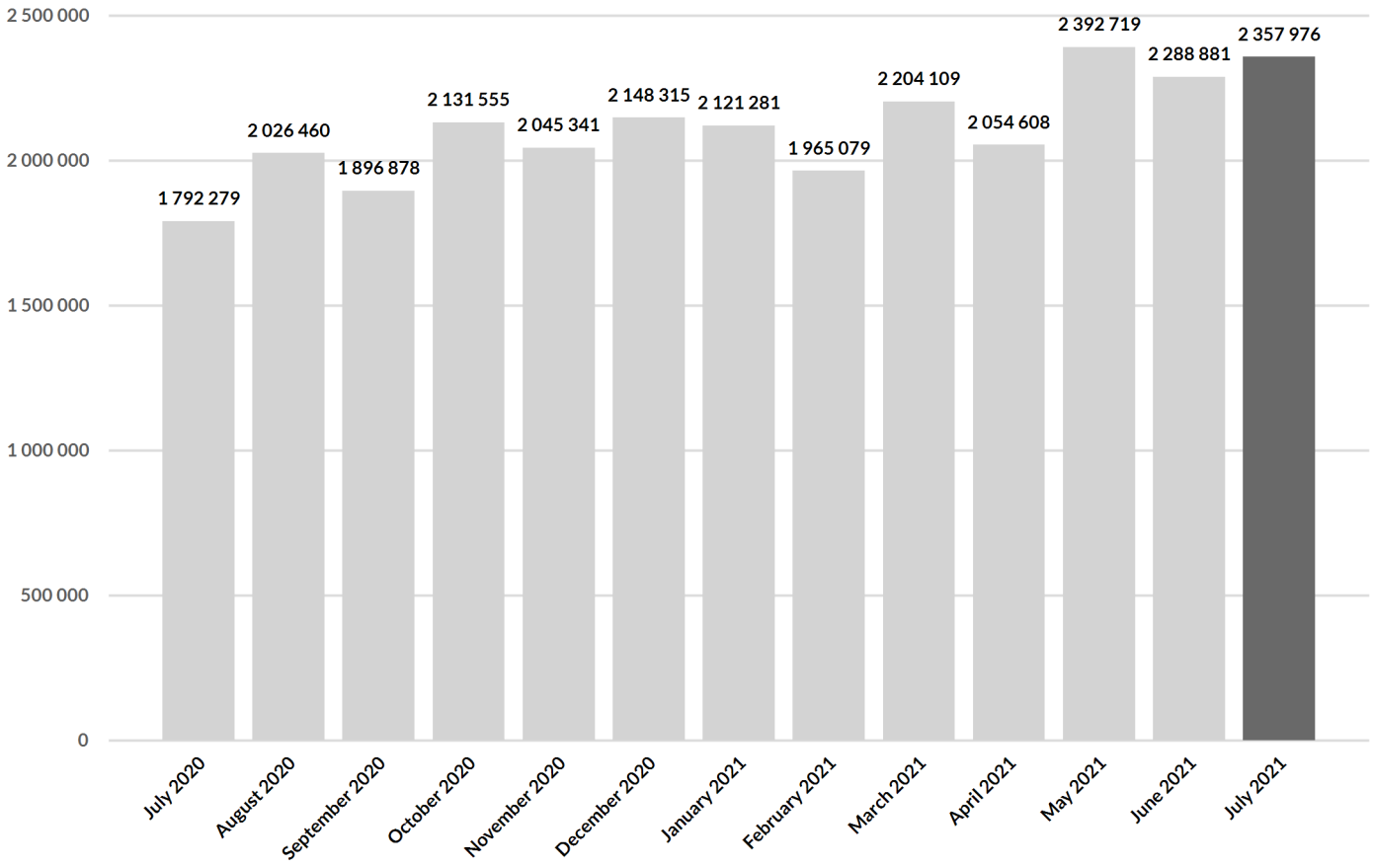
# UCT Benchmark Energy Report

Year on year  Total kWh comparison for UCT



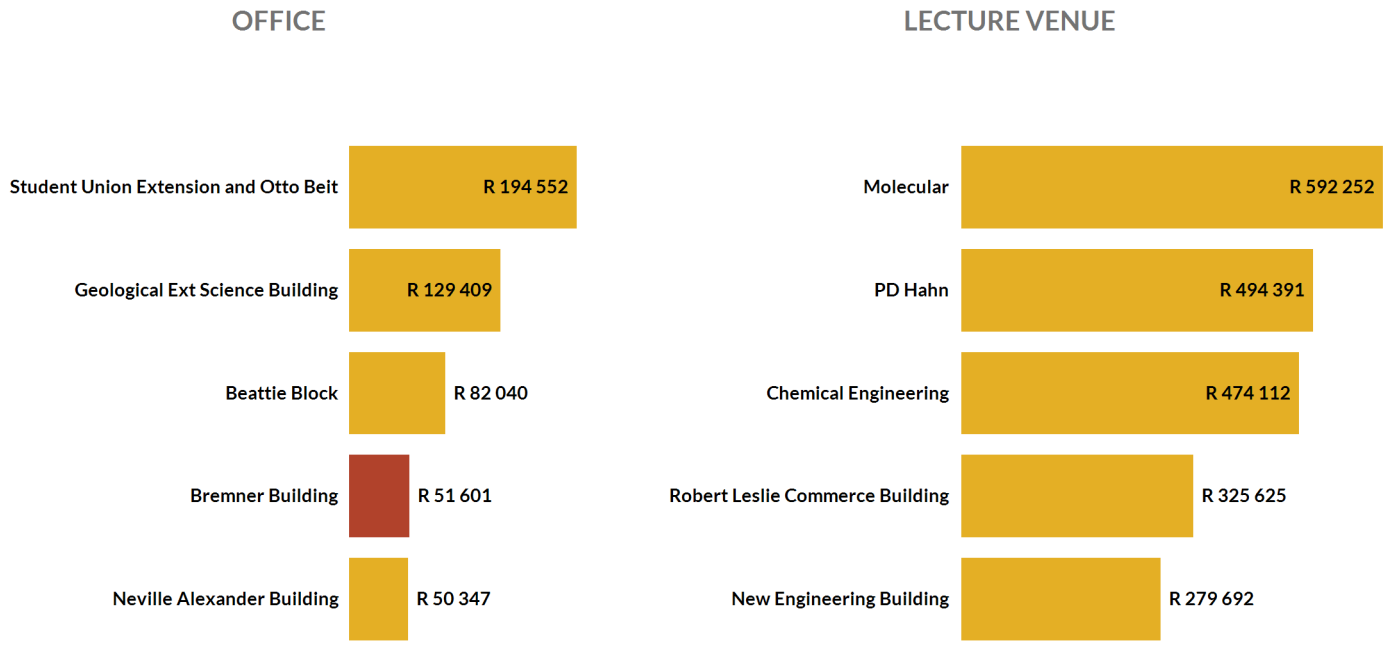

## Energy Summary (kWh)

The figure below summarises last 12 months energy consumption (kWh) for  UCT.



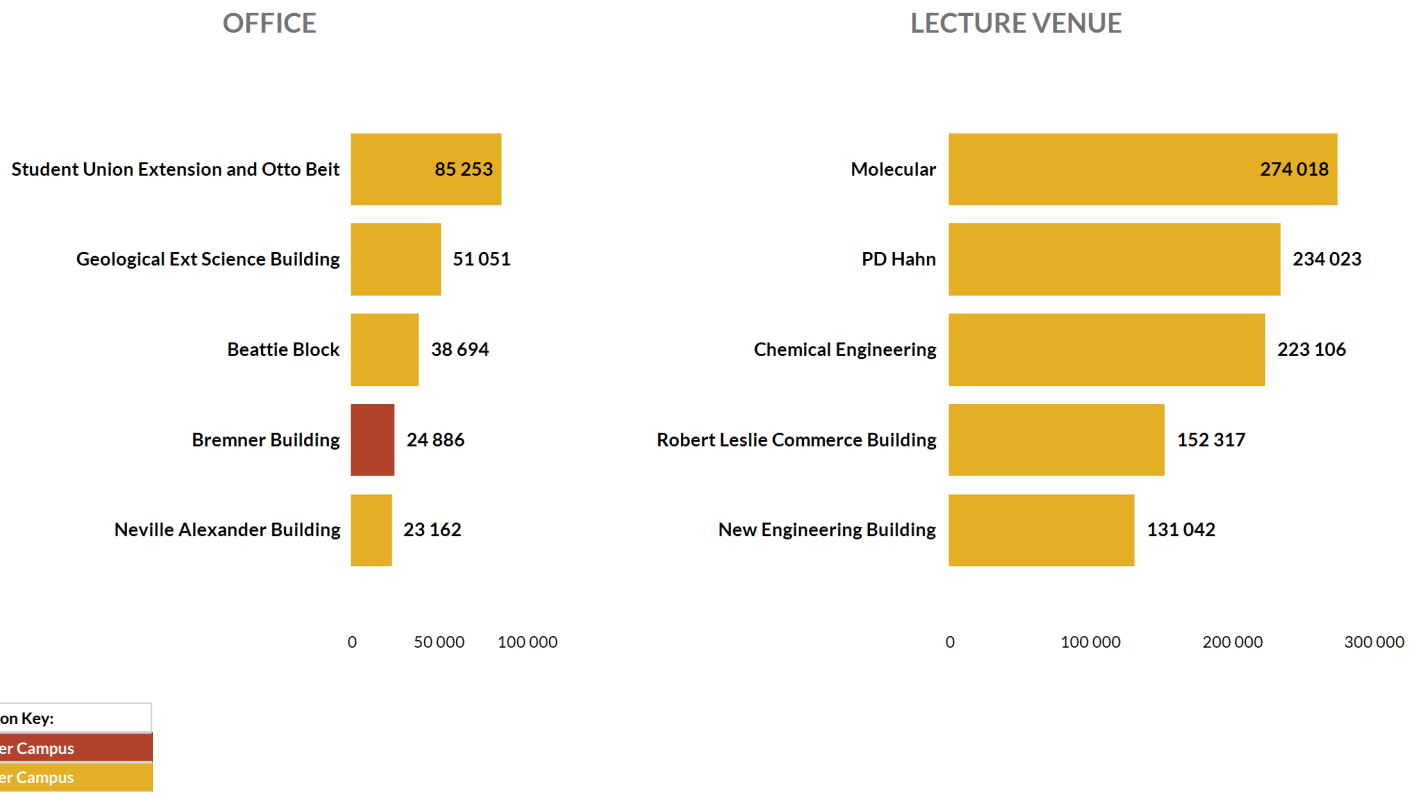
# Total Monthly Electricity Cost

The figure below summarises monthly top 5 energy costs .




# Monthly Energy Usage (kWh)

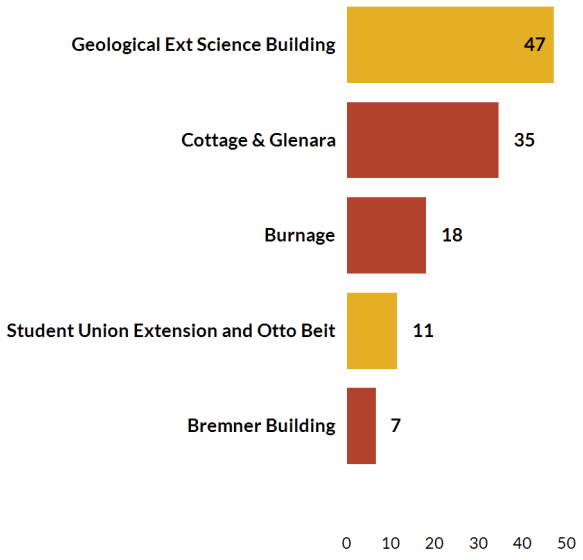
The figure below summarises monthly top 5 energy consumption measured in kWh's over the reporting period.



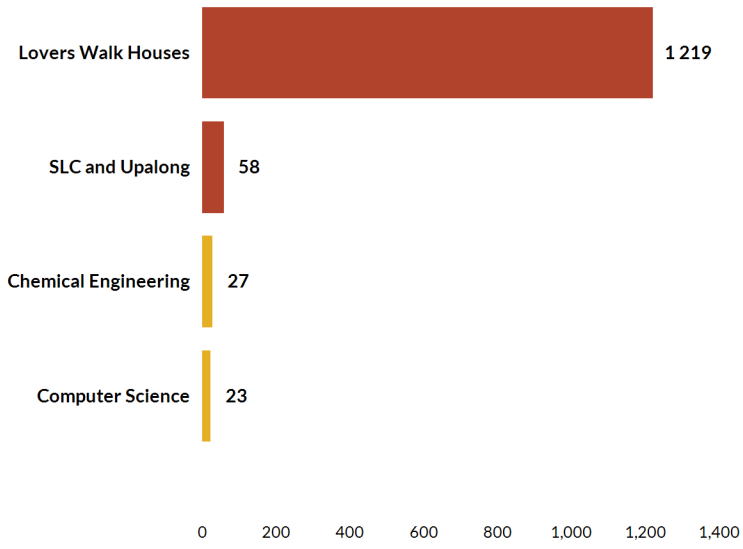
# Monthly Energy Usage per Square Meter(kWh/m2)

The monthly energy usage per square meter  is a benchmarking metric to determine energy usage intensities. The benchmarking metric compares the energy intensity figures of similar operations. The below graphs shows the top 5.

## OFFICE



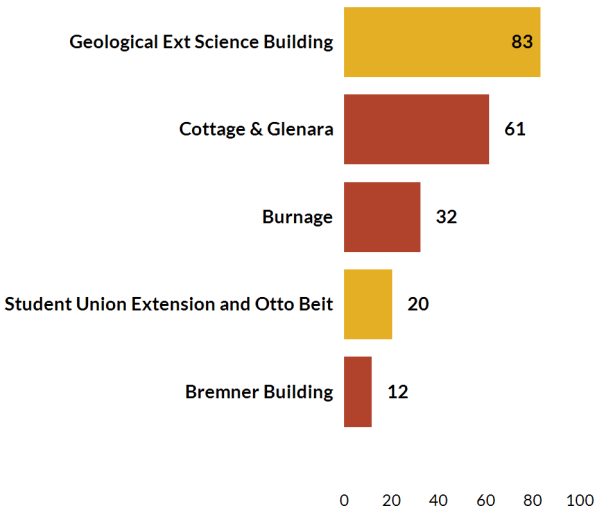

## LECTURE VENUE



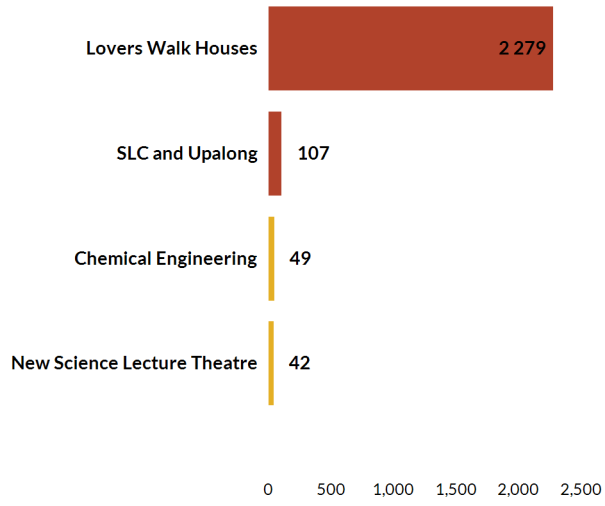

# Monthly Energy Cost per Square Meter(R/m2)

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 the intensity figures to other similar operations.  The below graphs shows the top 5.

## OFFICE



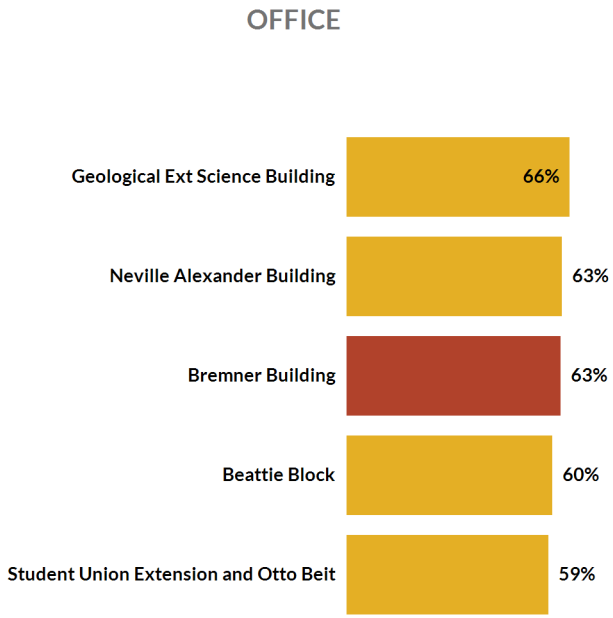

## LECTURE VENUE

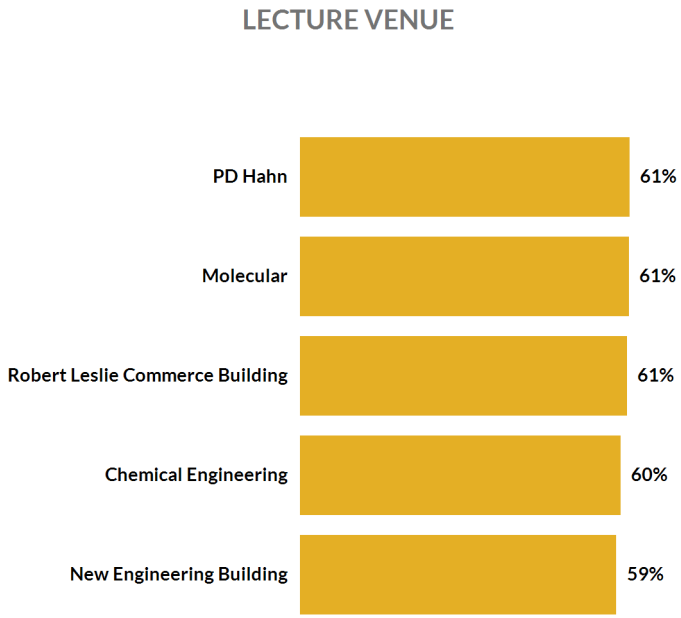



| Region Key: |
| --- |
| Lower Campus |
| Upper Campus |

# Monthly "Night" Time Energy Usage (kWh)

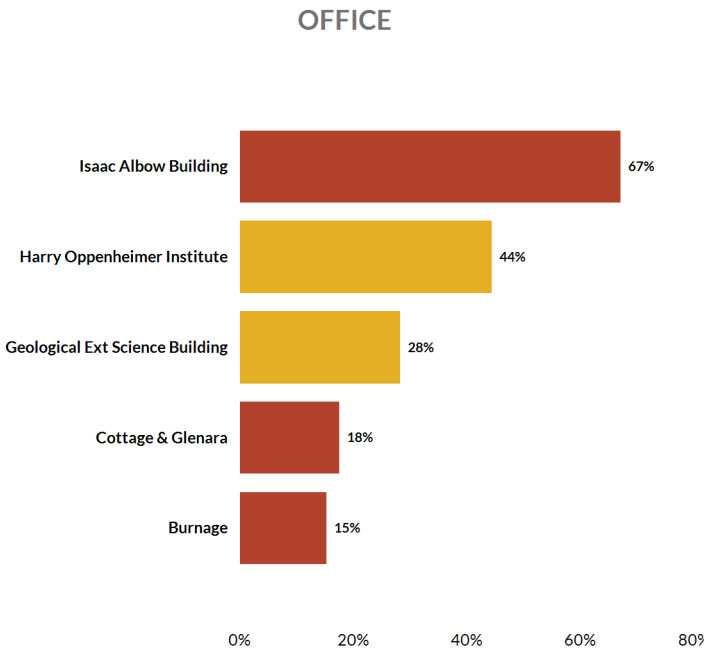
The figures below compares your energy usage during open hours to energy usage during closed hours. The aim is to minimise your closed time energy usage (lowest % possible). Open hours used : (Weekday: 08:00 - 17:30, Saturday : 08:00 - 13:00 , Sunday: 08:00 - 13:00). The below graphs shows the top 5.

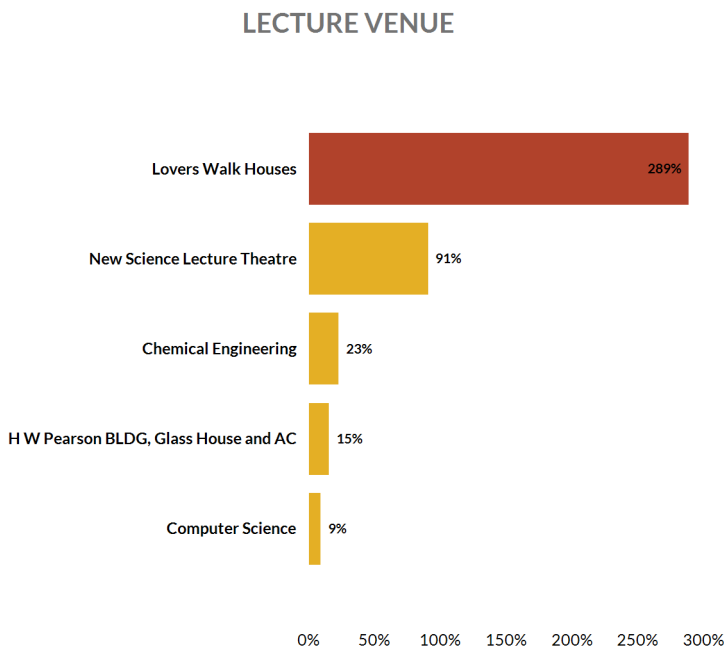



# Change in Month on Month Energy Usage (Change in kWh as a %)

The figure below compares the top 5 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.

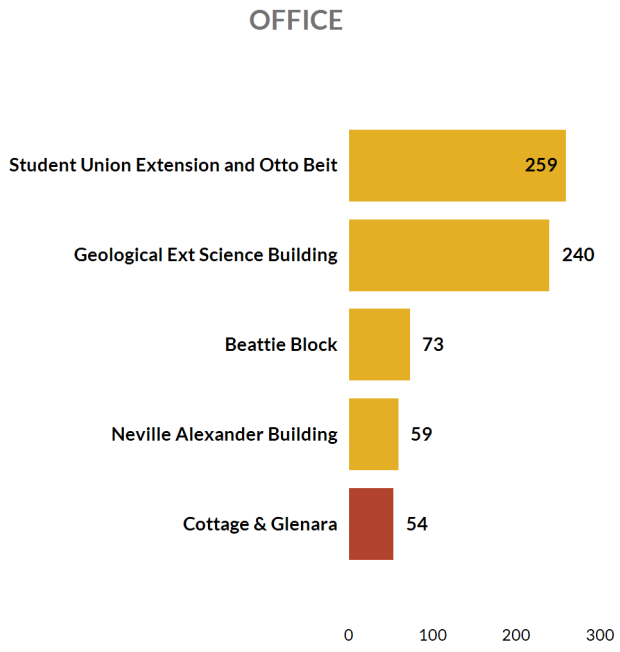


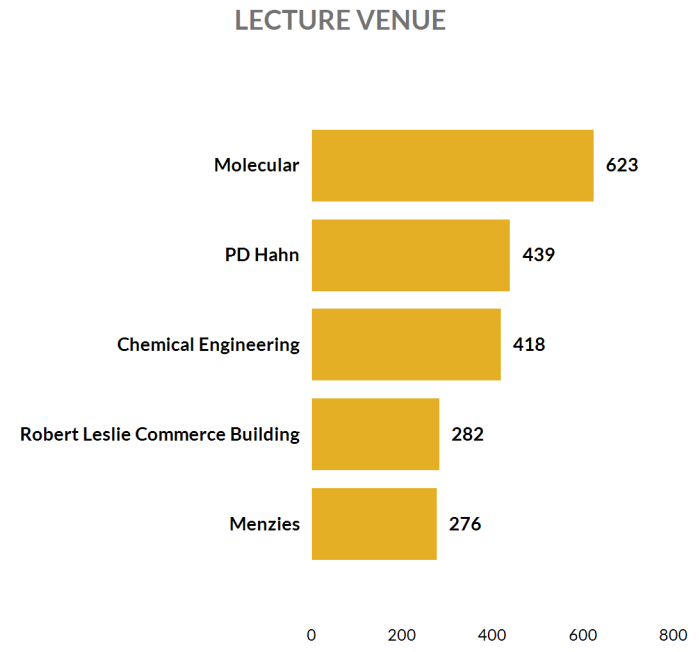




Region Key:
Lower Campus
Upper Campus

# Monthly Maximum Demand (kVA)

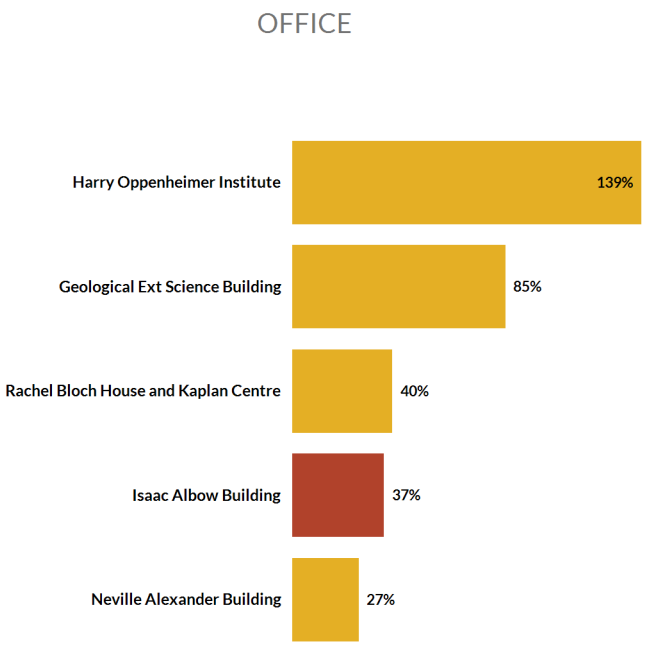
Maximum demand is the single highest peak power requirement over a billing period. Maximum demand is an important value to watch as maximum demand charges can amount up to 50% of the total electricity bill. The below graphs shows the top 5.

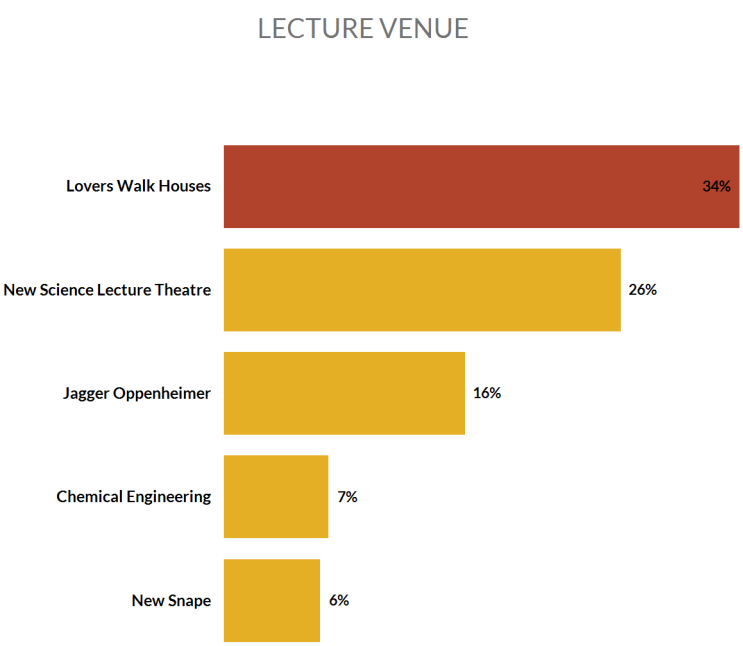


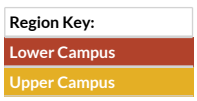




# Change in Month on Month Maximum Demand (Change in kVA as a %)

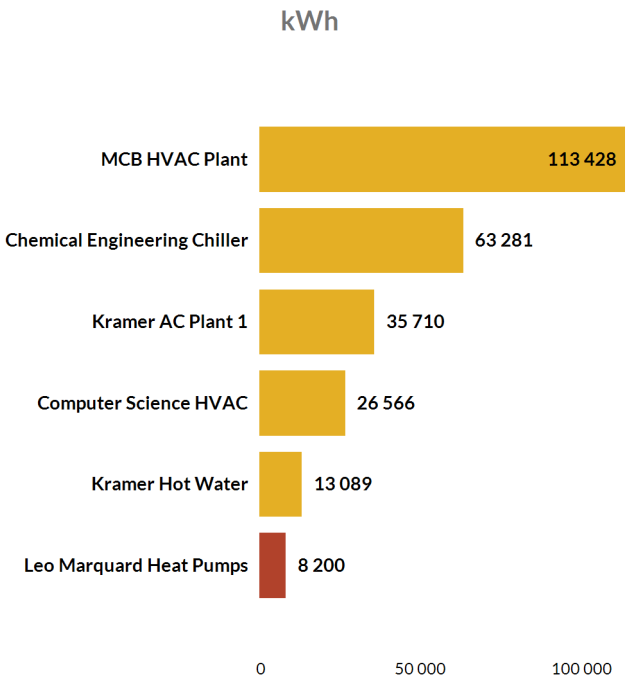
The figure below compares maximum demand value from last month to this month, shown as a percentage. A positive number shows an increase in maximum demand and a negative number shows a decrease in maximum demand. The below graphs shows the top 5.

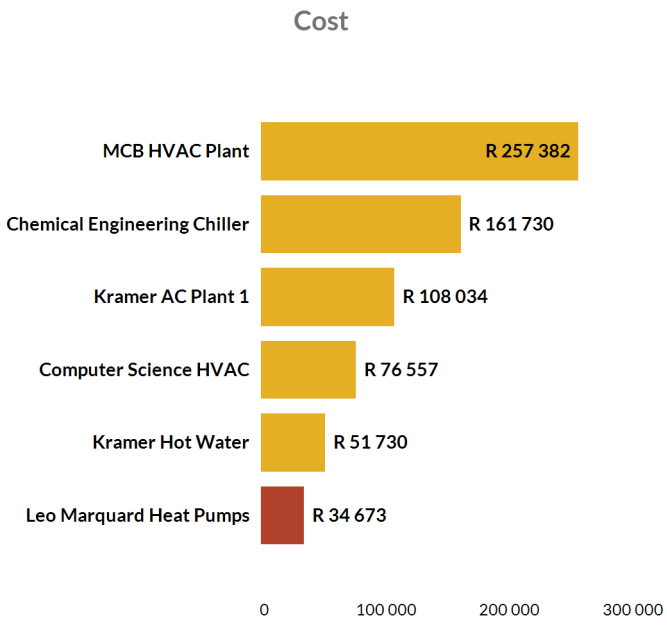


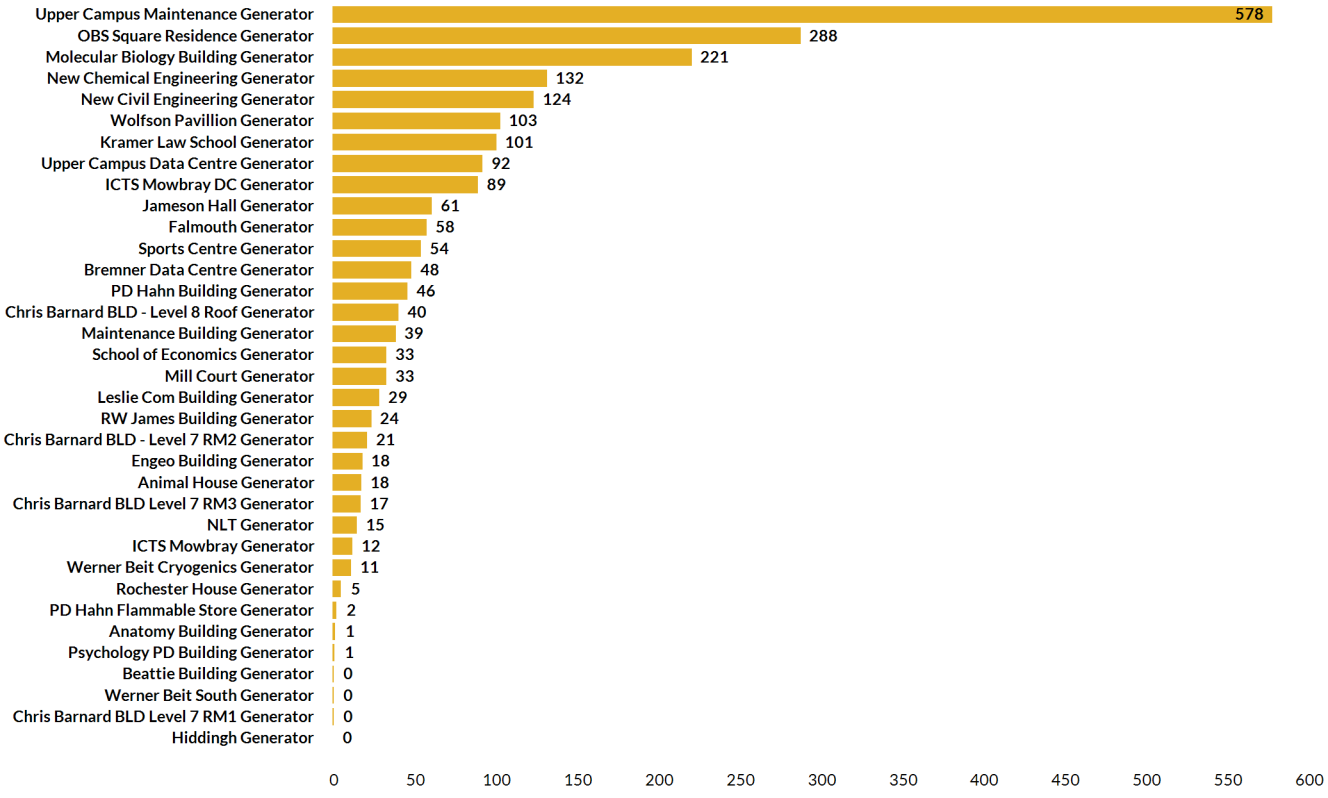



# HVAC and Water Heating




# Generator Monthly Energy Usage (kWh)

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