

TWGHs SC Gaw Memorial College

Jan 2016 - Monthly Energy Report

WHAT ARE OUR KEY STATISTICS FOR THIS MONTH?

How much energy
did we use?



31,806 kWh
of electricity



19 tons CO₂
emitted



\$39,375
in energy costs

How much energy
did we save?
(year-on-year)



4%
more



1 tons CO₂
more



\$1,476
more

How did our
carbon footprint change?



2 cars
on the road for a
month

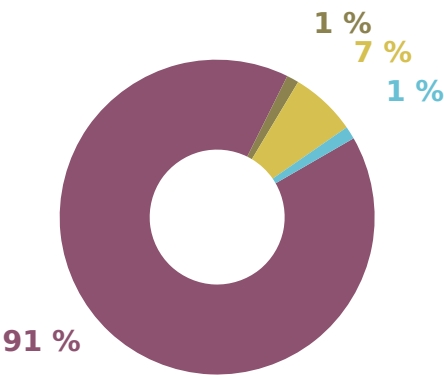
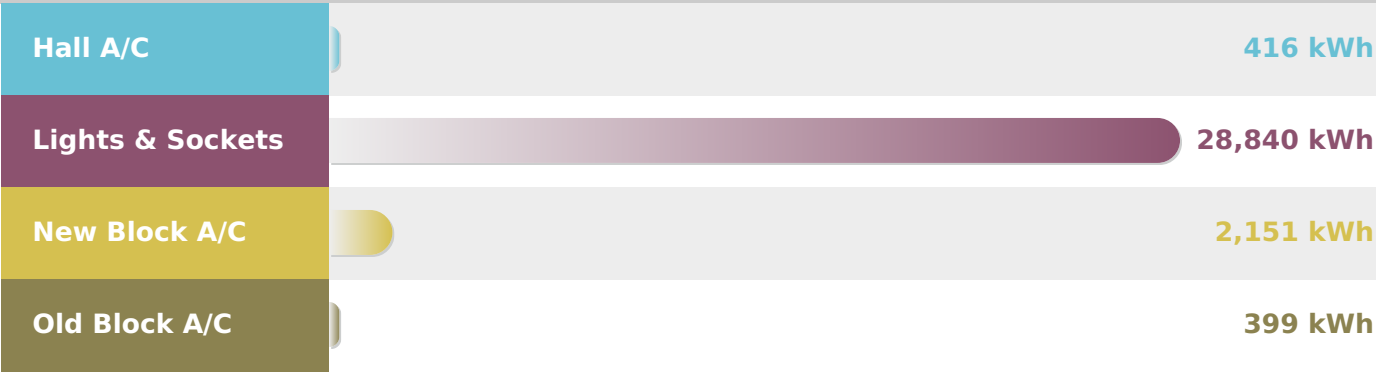


12 m²
of rainforest cut down



52 aircons
turned on for one
day

How did that break down by usage type?

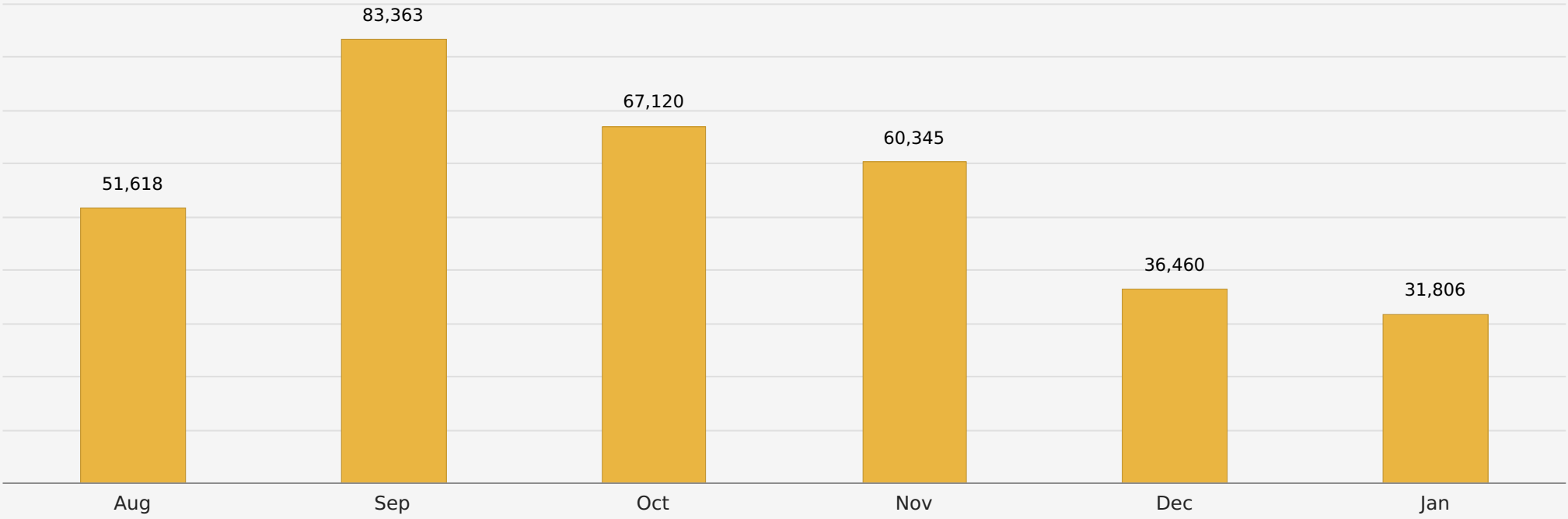


Usage Type	Total Energy (kWh)	Total CO ₂ (kg)	Total Cost (\$)	% Change in kWh Year-on-year	Change in Cost Year-on-year
Hall A/C	416	254	516	-4	-23
Lights & Sockets	28,840	17,592	35,701	2	793
New Block A/C	2,151	1,312	2,664	24	518
Old Block A/C	399	243	493	61	187

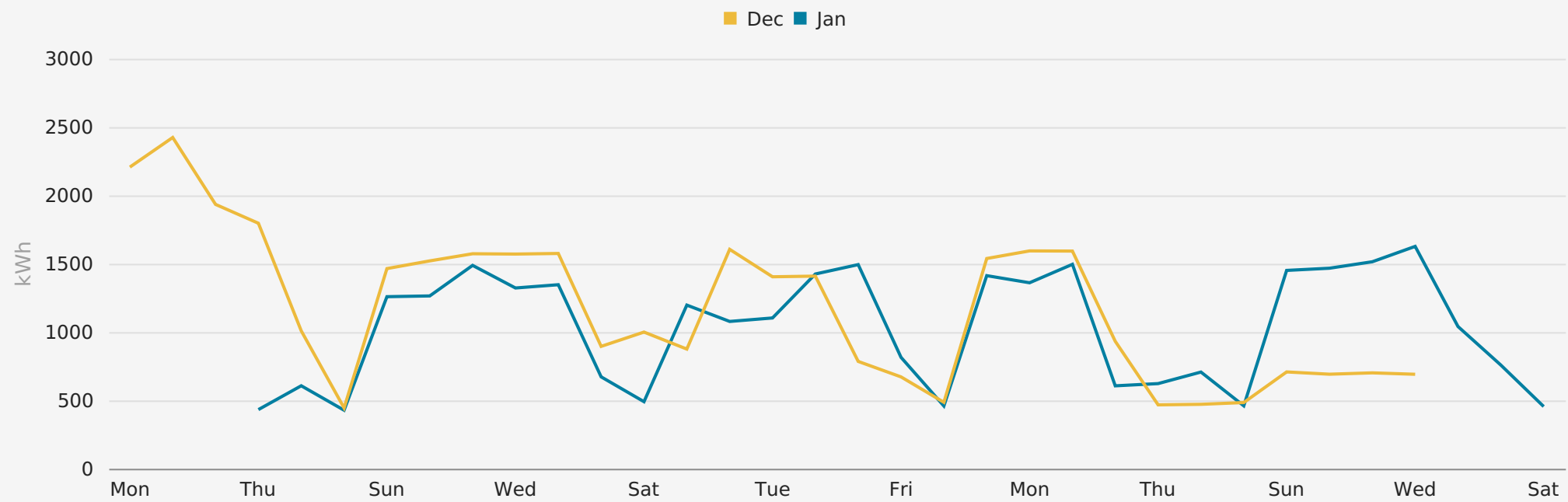
HOW MUCH MORE / LESS DID WE USE COMPARED TO LAST MONTH?

Your energy consumption this month was 13% less than it was last month

Total energy consumption for the last 6 months (kWh)



When did we achieve our savings? *



* For comparison purpose, in this section, the graph of the earlier period has been shifted to match the current period by day of the week.

Hall A/C

Overall: 63% more energy than last month

A line chart for Hall A/C comparing daily energy consumption in kWh for December (orange line) and January (teal line). The x-axis shows days of the week from Monday to Saturday. The y-axis shows kWh consumption from 0 to 140. The chart shows that January consumption was significantly higher than December consumption, especially on weekdays.

Day	Dec (kWh)	Jan (kWh)
Mon	5	-
Tue	2	-
Wed	2	-
Thu	2	-
Fri	2	-
Sat	2	-
Sun	2	2
Mon	2	120
Tue	2	125
Wed	2	85
Thu	2	40
Fri	2	2
Sat	2	2
Sun	2	2
Mon	2	2
Tue	2	2
Wed	2	2
Thu	2	2
Fri	2	2
Sat	2	2

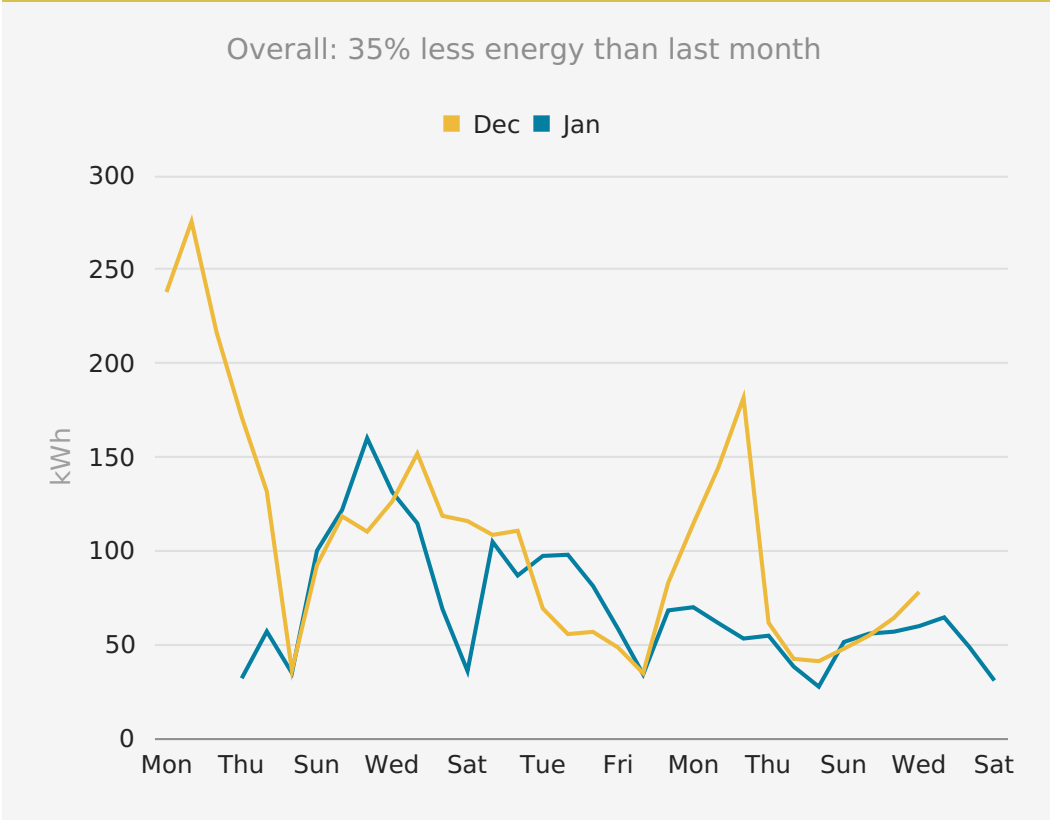
Lights & Sockets

Overall: 7% less energy than last month

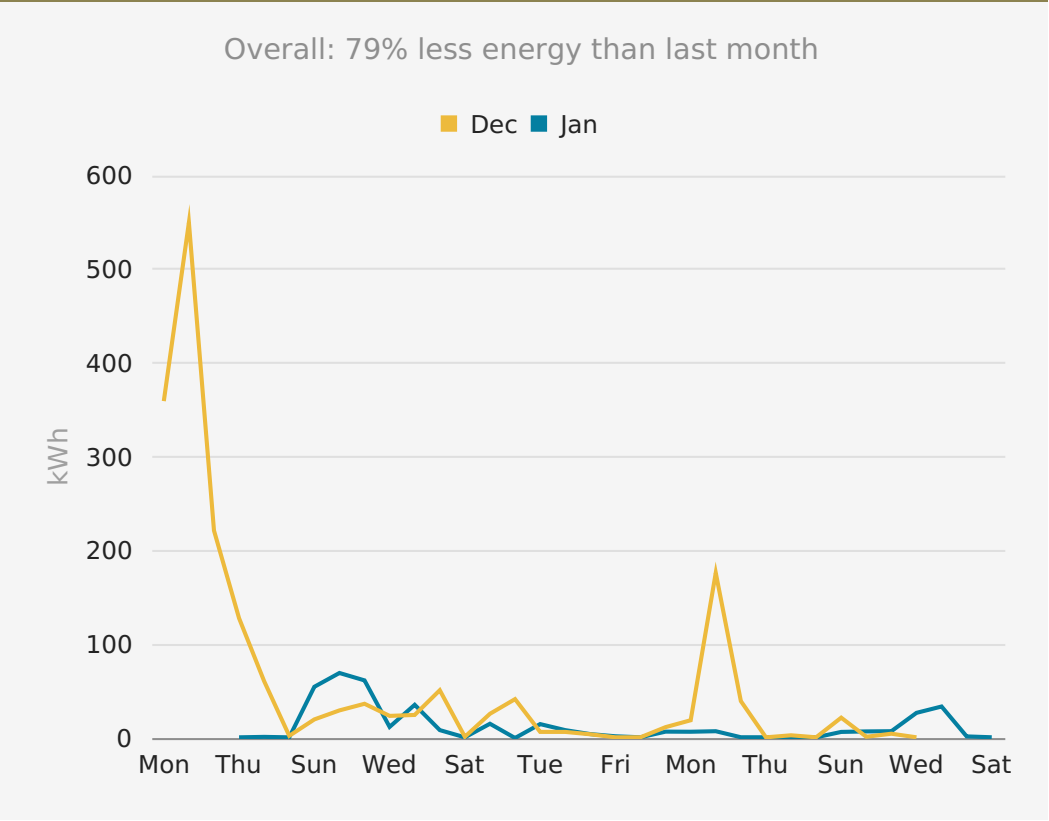
A line chart for Lights & Sockets comparing daily energy consumption in kWh for December (orange line) and January (teal line). The x-axis shows days of the week from Monday to Saturday. The y-axis shows kWh consumption from 0 to 1800. The chart shows that January consumption was generally lower than December consumption, especially on weekdays.

Day	Dec (kWh)	Jan (kWh)
Mon	1600	-
Tue	1500	-
Wed	1500	-
Thu	1500	-
Fri	1500	-
Sat	1500	-
Sun	1500	400
Mon	1500	1100
Tue	1500	1100
Wed	1500	1100
Thu	1500	1100
Fri	1500	1100
Sat	1500	1100
Sun	1500	1100
Mon	1500	1100
Tue	1500	1100
Wed	1500	1100
Thu	1500	1100
Fri	1500	1100
Sat	1500	1100
Sun	1500	1100
Mon	1500	1100
Tue	1500	1100
Wed	1500	1100
Thu	1500	1100
Fri	1500	1100
Sat	1500	1100


New Block A/C



Old Block A/C




HOW MUCH ENERGY DID WE USE ON WEEKDAYS?




\$1,580

Average Weekday Energy Use



8% less

Compared to last month



5% more

Compared to same period last year

Jan 2016

Better

than average weekday

Worse

than average weekday

Average

weekday

SUN	MON	TUE	WED	THU	FRI	SAT
27	28	29	30	31	1	2
3	4 - 1.4%	5 - 1.0%	6 + 17%	7 + 3.6%	8 + 5.5%	9
10	11 - 6.2%	12 - 16%	13 - 14%	14 + 12%	15 + 17%	16
17	18 + 11%	19 + 6.6%	20 + 17%	21 - 52%	22 - 51%	23
24	25 + 14%	26 + 14%	27 + 18%	28 + 26%	29 - 19%	30
31	1	2	3	4	5	6

Highest Weekday Energy Use

\$1,997

28 Jan 2016

Most of the increase was from

Lights & Sockets

Hall A/C



\$25

Average Weekday Energy Use



174% more

Compared to last month



13% more

Compared to same period last year

Lights & Sockets



\$1,428

Average Weekday Energy Use



2% less

Compared to last month



2% more

Compared to same period last year

New Block A/C



\$104

Average Weekday Energy Use



30% less

Compared to last month



32% more

Compared to same period last year

Old Block A/C



\$23

Average Weekday Energy Use



76% less


Compared to last month



90% more


Compared to same period last year

HOW MUCH ENERGY DID WE USE ON WEEKENDS AND HOLIDAYS?




\$706

Average Weekend/Holiday Energy Use



13% less

Compared to last month



1% more

Compared to same period last year

Jan 2016

Better

than average weekend

Worse

than average weekend

Average

weekend

SUN	MON	TUE	WED	THU	FRI	SAT
27	28	29	30	31	1 - 24%	2 + 6.4%
3 - 25%	4	5	6	7	8	9 + 18%
10 - 14%	11	12	13	14	15	16 + 43%
17 - 20%	18	19	20	21	22	23 + 24%
24 - 19%	25	26	27	28	29	30 + 32%
31 - 21%	1	2	3	4	5	6

Highest Weekend/Holiday Energy Use


\$1,009

16 Jan 2016

Most of the increase was from


Lights & Sockets

Hall A/C




\$2

Average Weekend/Holiday Energy Use



82% less


Compared to last month



76% less


Compared to same period last year

Lights & Sockets




\$650

Average Weekend/Holiday Energy Use



7% less


Compared to last month



3% more


Compared to same period last year

New Block A/C




\$52

Average Weekend/Holiday Energy Use



40% less


Compared to last month



3% more


Compared to same period last year

Old Block A/C




\$2

Average Weekend/Holiday Energy Use



87% less


Compared to last month



60% less


Compared to same period last year

HOW MUCH ENERGY DID WE USE OVERNIGHT (10PM - 6AM)




\$182

Average Overnight Energy Use



6% less

Compared to last month



1% more

Compared to same period last year

Jan 2016

Better

than average night

Worse

than average night

Average

night

SUN	MON	TUE	WED	THU	FRI	SAT
27	28	29	30	31	1 - 1.8%	2 - 3%
3 - 1.6%	4 + 2%	5 + 0.9%	6 + 8.8%	7 + 8.5%	8 + 8.9%	9 + 9.2%
10 + 9%	11 + 7.9%	12 + 4%	13 - 0.1%	14 + 3.8%	15 + 3.9%	16 - 15%
17 - 5%	18 - 4.2%	19 - 2%	20 - 7.2%	21 - 6.6%	22 - 7.8%	23 - 12%
24 - 14%	25 - 5.1%	26 + 19%	27 - 8%	28 + 6%	29 + 16%	30 - 7.1%
31 - 7%	1	2	3	4	5	6

Highest Overnight Energy Use


\$217

26 Jan 2016

Most of the increase was from


Lights & Sockets

Hall A/C




\$1

Average Overnight Energy Use



4% less


Compared to last month



69% less


Compared to same period last year

Lights & Sockets




\$166

Average Overnight Energy Use



4% less


Compared to last month



3% more


Compared to same period last year

New Block A/C




\$14

Average Overnight Energy Use



19% less


Compared to last month



9% less


Compared to same period last year

Old Block A/C




\$0

Average Overnight Energy Use



1% more

Compared to last month



2% more

Compared to same period last year