










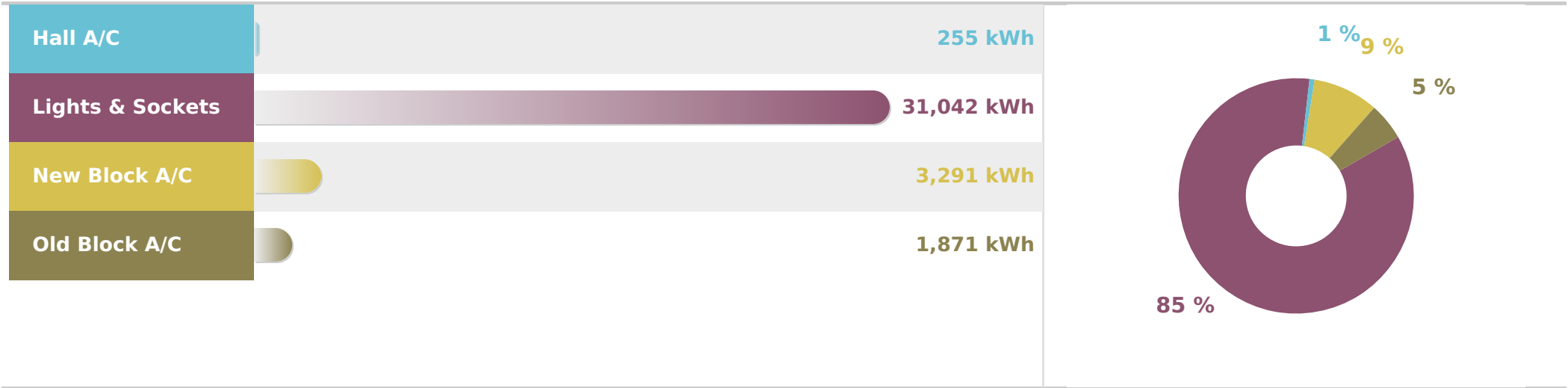
TWGHs SC Gaw Memorial College

Dec 2015 - Monthly Energy Report

WHAT ARE OUR KEY STATISTICS FOR THIS MONTH?

<div><div>How much energy did we use?</div><div><div></div><div><div>36,460 kWh</div><div>of electricity</div></div></div></div>	<div><div>How much energy did we save? (year-on-year)</div><div><div></div><div><div>24%</div><div>more</div></div></div></div>	<div><div>How did our carbon footprint change?</div><div><div></div><div><div>13 cars</div><div>on the road for a month</div></div></div></div>
<div><div></div><div><div>22 tons CO₂</div><div>emitted</div></div></div>	<div><div></div><div><div>4 tons CO₂</div><div>more</div></div></div>	<div><div></div><div><div>69 m²</div><div>of rainforest cut down</div></div></div>
<div><div></div><div><div>\$45,210</div><div>in energy costs</div></div></div>	<div><div></div><div><div>\$10,225</div><div>more</div></div></div>	<div><div></div><div><div>294 aircons</div><div>turned on for one day</div></div></div>

How did that break down by usage type?

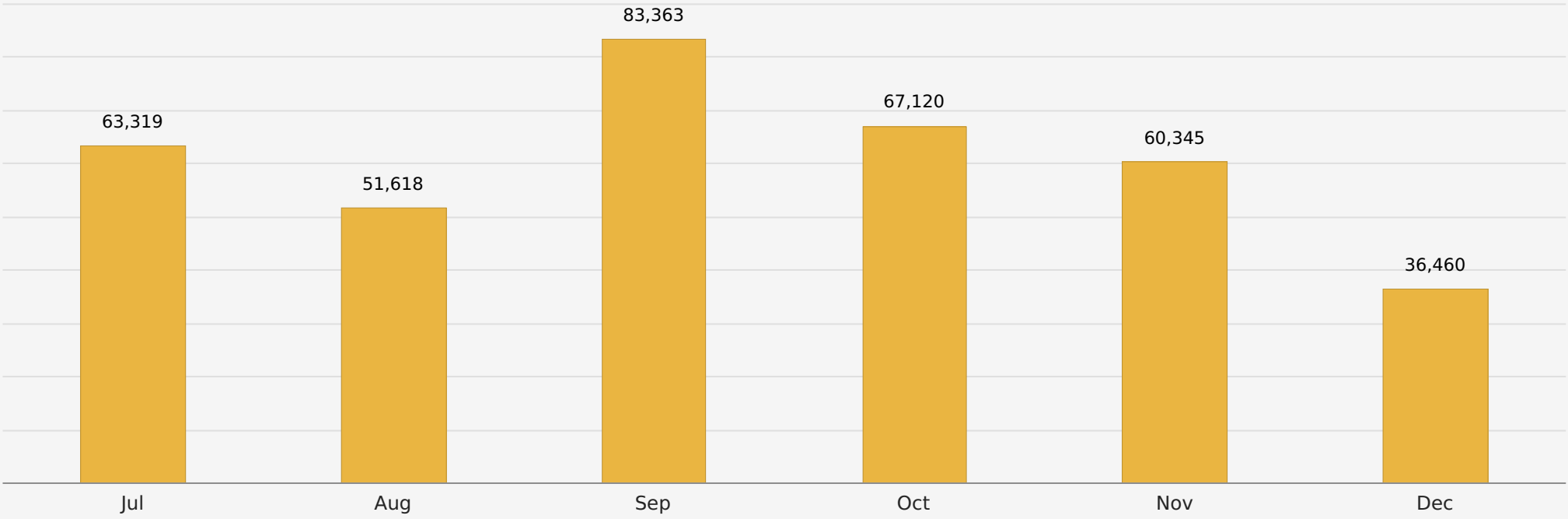


Usage Type	Total Energy (kWh)	Total CO ₂ (kg)	Total Cost (\$)	% Change in kWh Year-on-year	Change in Cost Year-on-year
Hall A/C	255	156	316	-12	-29
Lights & Sockets	31,042	18,936	38,493	16	6,609
New Block A/C	3,291	2,008	4,081	66	1,716
Old Block A/C	1,871	1,141	2,320	469	1,928

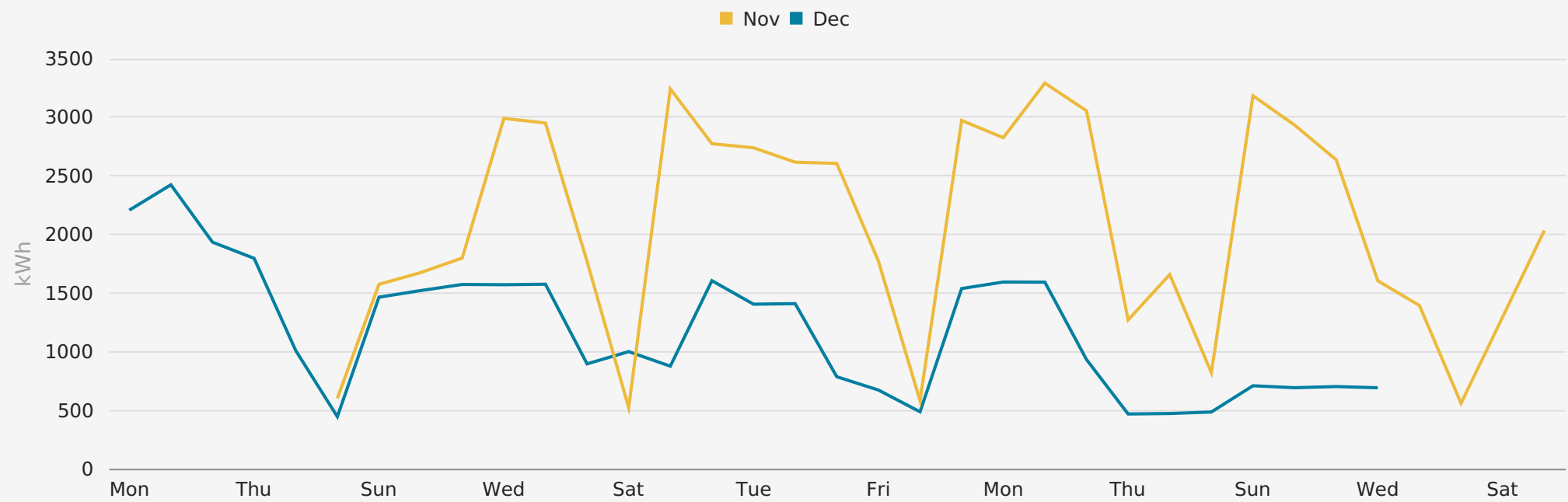
HOW MUCH MORE / LESS DID WE USE COMPARED TO LAST MONTH?

Your energy consumption this month was 40% 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: 90% less energy than last month

A line chart for Hall A/C comparing energy consumption by day of the week for November (orange line) and December (blue line). The y-axis represents kWh consumption from 0 to 400. The x-axis shows days of the week from Monday to Saturday. The chart shows that November had significantly higher consumption than December, with both months showing a significant drop on Saturdays.

Day	Nov (kWh)	Dec (kWh)
Mon	10	10
Tue	10	10
Wed	10	10
Thu	10	10
Fri	10	10
Sat	10	10
Sun	10	10
Mon	10	10
Tue	10	10
Wed	10	10
Thu	10	10
Fri	10	10
Sat	10	10

Lights & Sockets

Overall: 16% less energy than last month

A line chart for Lights & Sockets comparing energy consumption by day of the week for November (orange line) and December (blue line). The y-axis represents kWh consumption from 0 to 2000. The x-axis shows days of the week from Monday to Saturday. The chart shows that November had higher consumption than December, with both months showing a significant drop on Saturdays.

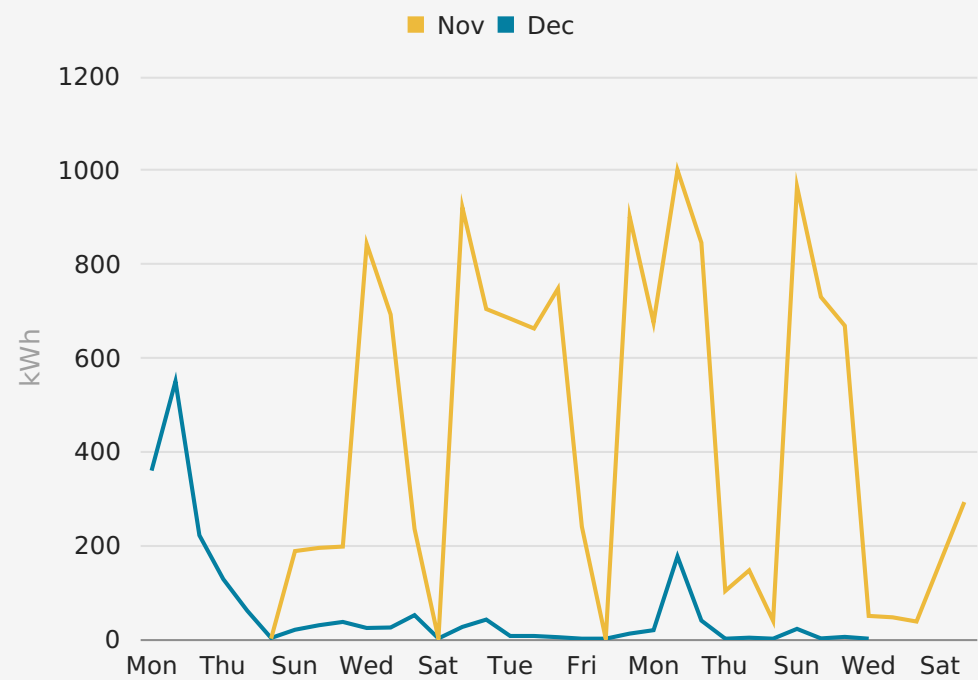
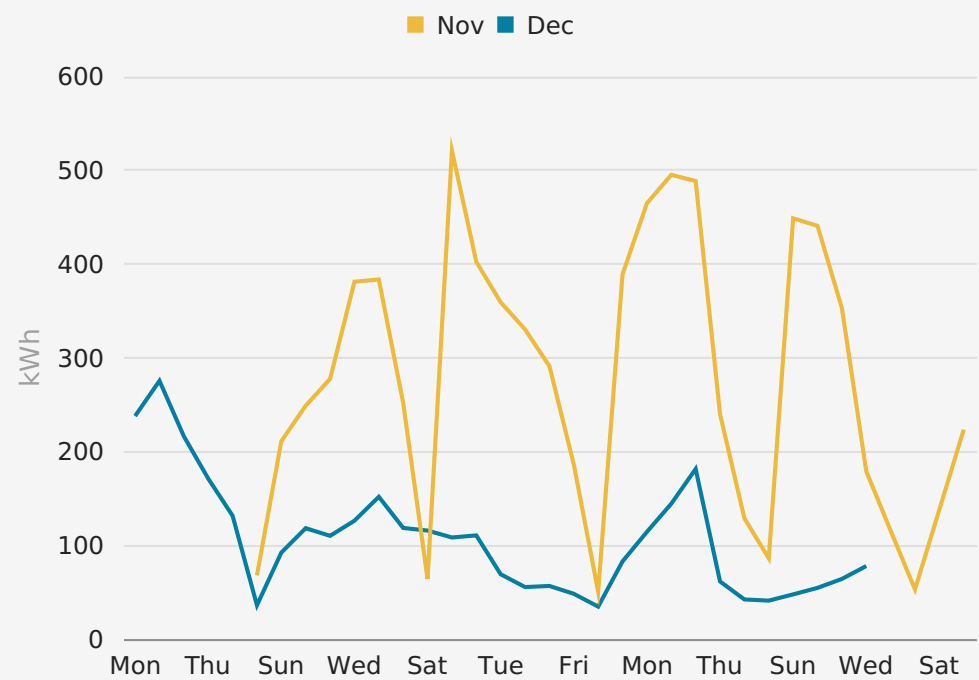
Day	Nov (kWh)	Dec (kWh)
Mon	1600	1600
Tue	1500	1500
Wed	1400	1400
Thu	1300	1300
Fri	1200	1200
Sat	1100	1100
Sun	1000	1000
Mon	1000	1000
Tue	1000	1000
Wed	1000	1000
Thu	1000	1000
Fri	1000	1000
Sat	1000	1000

New Block A/C


Old Block A/C

Overall: 59% less energy than last month

Overall: 85% less energy than last month




HOW MUCH ENERGY DID WE USE ON WEEKDAYS?




\$1,721

Average Weekday Energy Use



44% less

Compared to last month



8% more

Compared to same period last year

Dec 2015

Better

than average weekday

Worse

than average weekday

Average

weekday

SUN	MON	TUE	WED	THU	FRI	SAT
29	30	1 + 59%	2 + 74%	3 + 39%	4 + 29%	5
6	7 + 5.3%	8 + 9.4%	9 + 13%	10 + 13%	11 + 13%	12
13	14 - 37%	15 + 15%	16 + 1%	17 + 1.3%	18 - 44%	19
20	21 + 11%	22 + 15%	23 + 15%	24 - 33%	25	26
27	28 - 49%	29 - 50%	30 - 50%	31 - 50%	1	2

Highest Weekday Energy Use


\$3,000

2 Dec 2015

Most of the increase was from


Old Block A/C

Hall A/C




\$9

Average Weekday Energy Use



91% less


Compared to last month



35% less


Compared to same period last year

Lights & Sockets



\$1,464

Average Weekday Energy Use



20% less


Compared to last month



1% more


Compared to same period last year

New Block A/C




\$150

Average Weekday Energy Use



65% less


Compared to last month



39% more


Compared to same period last year

Old Block A/C




\$99

Average Weekday Energy Use



86% less


Compared to last month



316% more


Compared to same period last year

HOW MUCH ENERGY DID WE USE ON WEEKENDS AND HOLIDAYS?




\$816

Average Weekend/Holiday Energy Use



36% less

Compared to last month



4% more

Compared to same period last year

Dec 2015

Better

than average weekend

Worse

than average weekend

Average

weekend

SUN	MON	TUE	WED	THU	FRI	SAT
29	30	1	2	3	4	5 + 53%
6 - 33%	7	8	9	10	11	12 + 36%
13 + 52%	14	15	16	17	18	19 + 2%
20 - 26%	21	22	23	24	25 - 29%	26 - 28%
27 - 26%	28	29	30	31	1	2

Highest Weekend/Holiday Energy Use


\$1,249

5 Dec 2015

Most of the increase was from


Lights & Sockets

Hall A/C




\$13

Average Weekend/Holiday Energy Use



91% less


Compared to last month



38% more


Compared to same period last year

Lights & Sockets




\$699

Average Weekend/Holiday Energy Use



21% less


Compared to last month



2% less


Compared to same period last year

New Block A/C




\$87

Average Weekend/Holiday Energy Use



37% less

Compared to last month



63% more


Compared to same period last year

Old Block A/C




\$17

Average Weekend/Holiday Energy Use



85% less


Compared to last month




409% more

Compared to same period last year


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



\$193
Average Overnight
Energy Use



7% less
Compared to last month



7% more
Compared to same
period last year

Dec 2015

Better
than average night

Worse
than average night


Average
night

SUN	MON	TUE	WED	THU	FRI	SAT
29	30	1 + 3.6%	2 - 0.8%	3 + 0.9%	4 + 12%	5 - 4.5%
6 - 11%	7 - 11%	8 - 7.4%	9 + 6.7%	10 + 1.8%	11 - 2%	12 + 1.7%
13 + 5.5%	14 + 25%	15 + 37%	16 - 7.6%	17 - 3.7%	18 + 0.2%	19 - 4.9%
20 - 2.4%	21 + 1%	22 + 2.4%	23 - 2.2%	24 - 1.1%	25 - 6.9%	26 - 4.5%
27 + 0.5%	28 - 5.9%	29 - 8%	30 - 8.7%	31 - 5.6%	1	2


Highest Overnight Energy Use
\$263
15 Dec 2015

Most of the increase was from
Lights & Sockets


Hall A/C



\$1
Average Overnight
Energy Use




45% less
Compared to last month




58% less
Compared to same
period last year


Lights & Sockets



\$174
Average Overnight
Energy Use



4% less
Compared to last month



7% more
Compared to same
period last year

New Block A/C



\$17
Average Overnight
Energy Use



24% less
Compared to last month



13% more
Compared to same
period last year


Old Block A/C



\$0
Average Overnight
Energy Use



27% less
Compared to last month



20% more
Compared to same
period last year