

# Sustainability Health Check



<b>Starting Monitoring Period</b>	
<b>Monitoring type</b>	Basic Appliance BETA
<b>Number of Smart Plugs</b>	Main meter + 7 Smart Plugs
<b>Service Type</b>	Monitoring with time of use shut down between <b>1am to 11am</b>

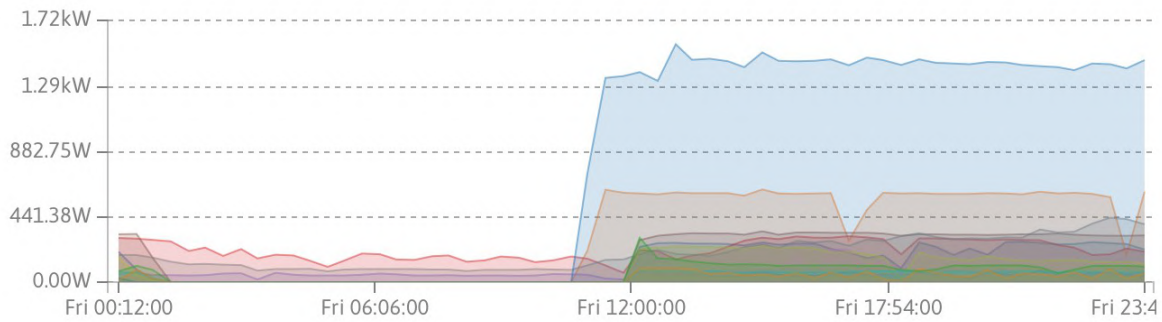
## 24h consumption patterns

Average:  
**2.09kW**

Max:  
**3.88kW**

Min:  
**221.00W**

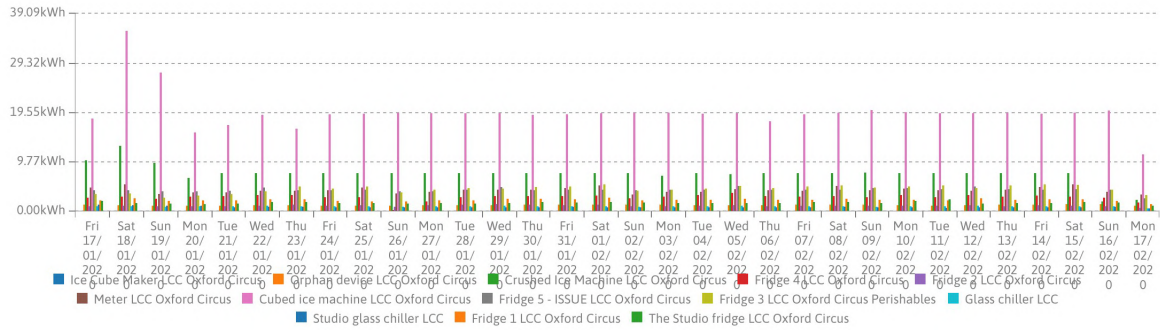
Aggregate: Average ▾



- Fridge 4 LCC Oxford Circus
- Crushed Ice Machine LCC Oxford Circus
- Ice Cube Maker LCC Oxford Circus
- Fridge 3 LCC Oxford Circus Perishables
- Orphan device LCC Oxford Circus
- Fridge 5 - ISSUE LCC Oxford Circus
- Fridge 2 LCC Oxford Circus
- Meter LCC Oxford Circus
- Fridge 1 LCC Oxford Circus
- Glass chiller LCC
- Cubed ice machine LCC Oxford Circus
- Studio glass chiller LCC
- The Studio fridge LCC Oxford Circus

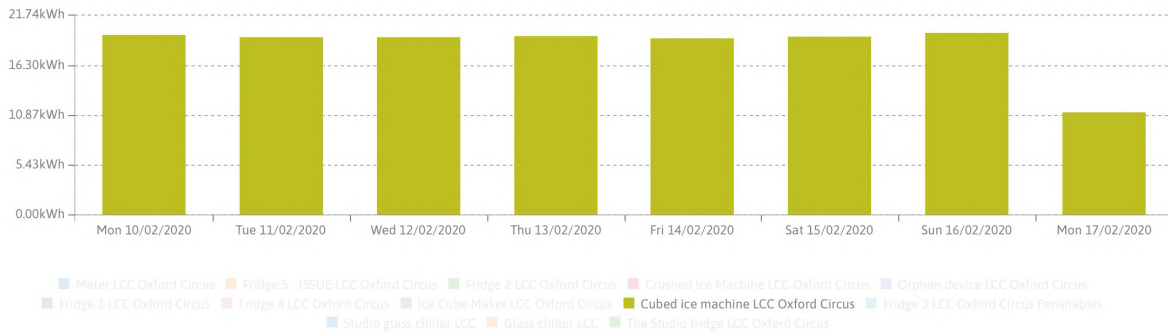
# This month bar consumption

Cost: £126.98    Total: 1587.23kWh    Average: 49.60kWh    Max: 72.04kWh    Min: 28.61kWh



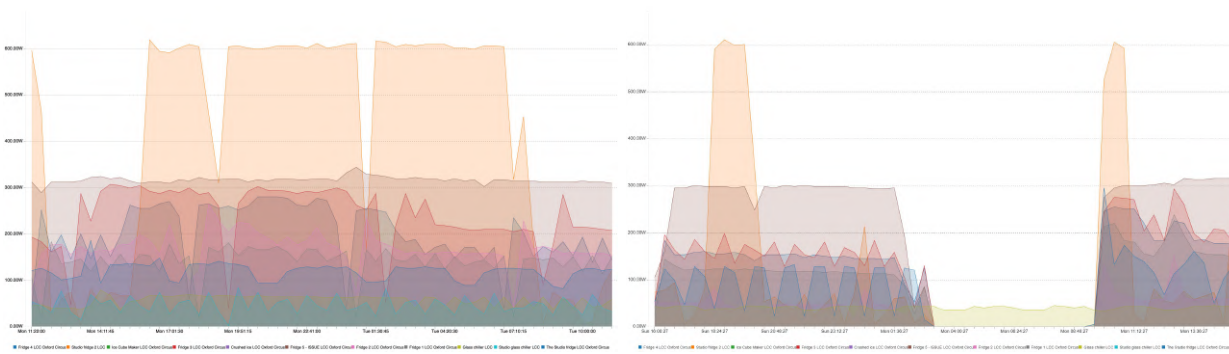
# Highest consuming appliance

Cost: £19.1    Total: 146 kWh    Average: 20.9 kWh    Max: 19.7 kWh    Min: 11.4 kWh



Crushed Ice Machine	Per Machine	Co2 Impact
Weekly	£19.1	48.99kg
Monthly	£20.28	212kg
Yearly	£993.2	2.5T

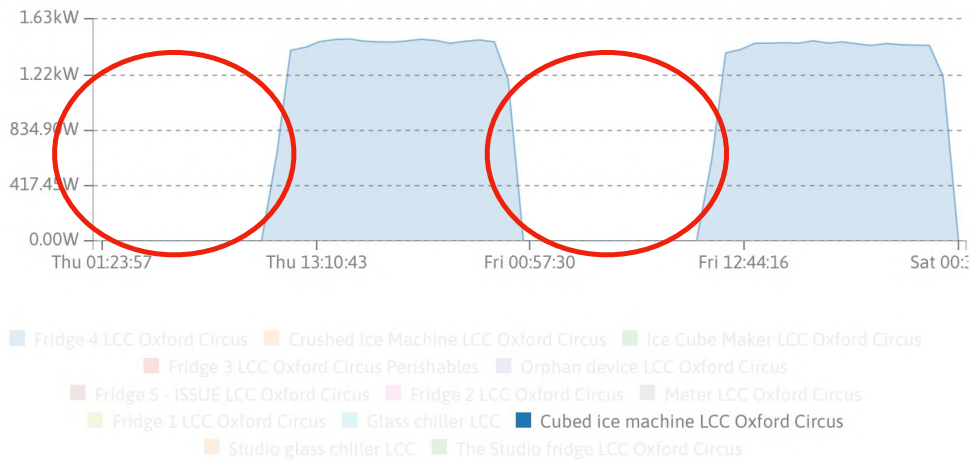
## Time of Use management



Non Managed

Managed

## Cubed ice machine management



- Fridge 4 LCC Oxford Circus
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- Fridge 5 - ISSUE LCC Oxford Circus
- Fridge 2 LCC Oxford Circus
- Meter LCC Oxford Circus
- Fridge 1 LCC Oxford Circus
- Glass chiller LCC
- Cubed ice machine LCC Oxford Circus
- Studio glass chiller LCC
- The Studio fridge LCC Oxford Circus

  Automatic Shut Down

## Saving achieved

Ice Cube Machine	Yearly Cost	Yearly Emission
Before management	£1,544	3.9T Co2
After management	£912	2.3T Co2
Net Savings Per Fridge	£632	1.6T Co2

## Other savings achieved

Device Managed	Net Savings in kWh	Net Savings in £	Net Savings in Co2
Glass Chiller	314kWh/Year	£41/Year	104kg
Studio Fridge	504kWh/Year	£65/Year	168kg
Crushed Ice Machine	2,281kWh/Year	£296/Year	760kg

## Further time of use savings

Based on similar members profiles from the OAK community

Estimated time of use savings	Estimated savings with OAK Network
10 x Drinks Fridges	Average <b>£750</b> or <b>5,750kWh</b> or <b>1.5T Co2</b> emission per Year
Ice Machine	Average <b>£950</b> or <b>7,750kWh</b> or <b>2.5T Co2</b> emission per Year

## Missing information to improve analysis

<b>BMS access to data</b>	To run overall analysis of building consumption patterns
<b>AMR meter info</b>	To have access to live half hourly data
<b>MPAN number</b>	To have access to pricing and implement tariff analysis
<b>Further Smart IOT</b>	To improve data collection from various floors
<b>Supplier Info and contact date</b>	Negotiate better tariff based on actual consumption, 100% green