



Energy Saving Opportunities

Green Park, Reading

Agenda

1. Waste management and recycling update and Update from last meeting – Adrian Turner
2. Energy reduction initiatives - Ian Gough
3. Key dates and events coming up
4. AOB
5. Q and A / Networking

Waste management and recycling and Update from last meeting

- Waste and Recycling News
- Waste and Recycling Guide
- Waste Monitor
- Recycle Week – 24th to 30th September



Energy Saving Opportunities

Green Park, Reading

Ian Gough, Reduce Energy

What is Energy?

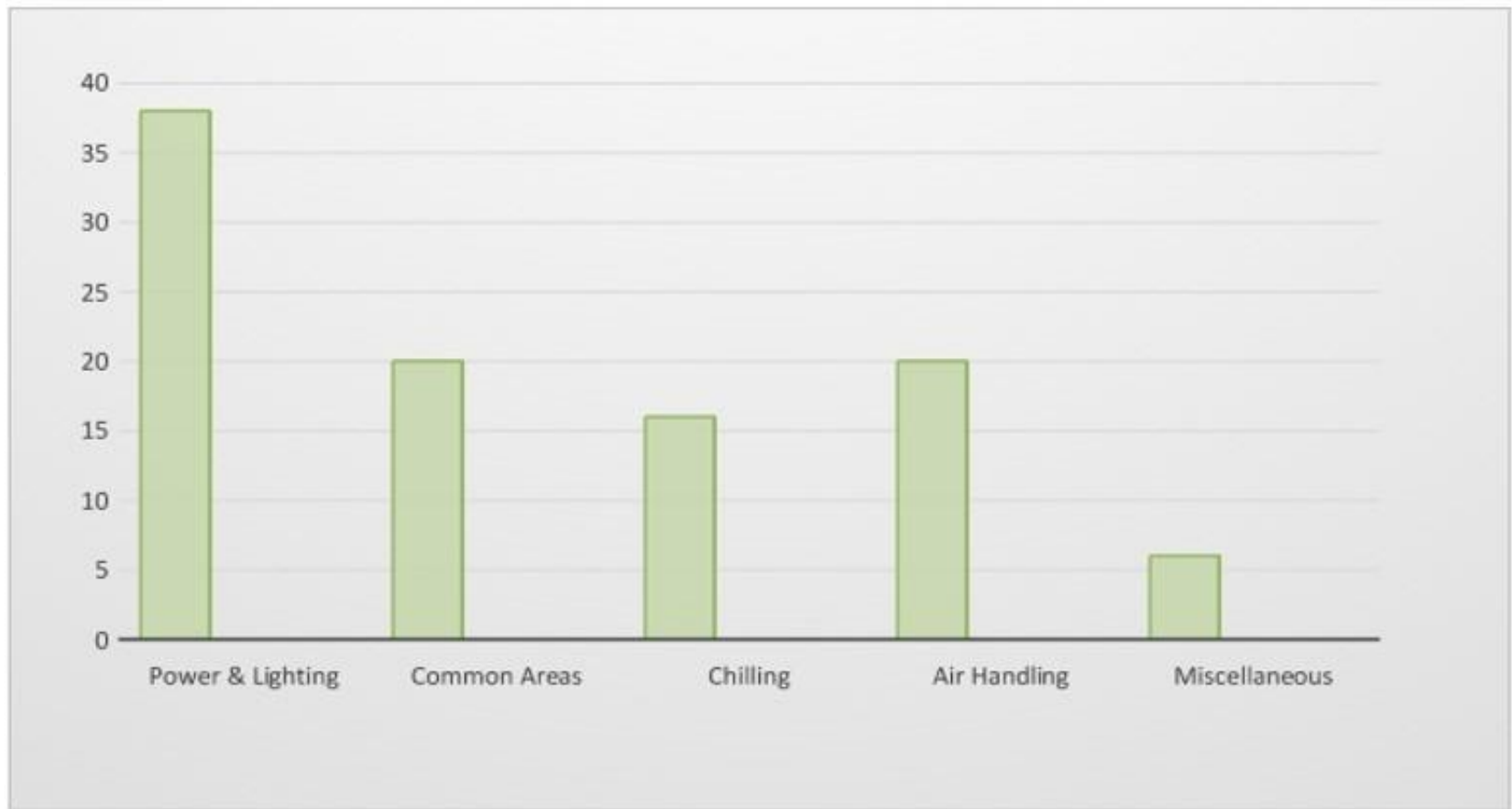
- Electricity
- Gas
- Renewable Energy
- Oil
- Embedded in everything around us

Energy:

- Nobody is aware of it – until something goes wrong!
 - How much do you spend on your bills?
 - How much do you spend unnecessarily?
 - MONITOR – where are you using energy?
 - Single Lets: you will manage all energy aspects.
 - Multi-Lets: you will just be looking at the office area (general power and lighting)
- You know your practices better than anyone.

Energy Use At Work (Green Park)

Electricity use at Green Park
(6 months up to Dec 2017)



Why Save Energy?

- Lower Costs
- Reduce Waste
- Sustainability
- Mitigating Risks – Available Capacity/Max Demand & Climate Change
- Revenue
- Seen as ‘Greener’ Organisations
- Compliance with Legislation
- Attract Like-Minded Businesses

Legislation

- Energy Performance Certificates (EPC's)
- Air Conditioning (TM44's)
- Energy Savings Opportunities Scheme (ESOS)
- ISO 50001
- Carbon Reduction Commitment – (CRC EES)

Single Lets



Single Lets Responsible For own Energy

- Plant/Heating/AC/Ventilation Upgrades
- IT Server Upgrades
- BMS Controls Upgrades
- Renewable Energy Generation Equipment
- Home Working/Office Rationalisation
- Office Equipment: Hours Of Use/Turn Off
- Office Lighting: Reduce Numbers/Turn Off
- Air Conditioning/Thermal Comfort: Speak with Green Park Management
- Behaviours

Multi-Lets



Multi-Lets still have responsibility for general power and lighting within their own demise.



Things To Consider:

- Home Working/Office Rationalisation
- Office Equipment: Hours of Use/Turn Off
- Office Lighting: Reduce Numbers/Turn Off
- Air Conditioning/Thermal Comfort: Speak with the Building Manager
- Ideas For Energy Reduction: Speak with the Building Manager

Breakout Session

Split up into groups:

- Single Lets – Identify three areas of energy usage/consumption in your office
- Multi-Lets – Identify two areas of energy usage/consumption in common areas.

Think about how you could make energy savings against these areas:

- What could be done differently?
- What are the actions required?
- How can you work with your colleagues to achieve energy savings?

Offer To Occupiers

To review specific energy use with you, Green Park Management can help to identify energy anomalies, peaks, out of hours use etc.

Then a solution can be put into place to reduce energy consumption and agree any improvement actions.

Water

- Deregulated Water Market
- Choice of Supplier
- Meter Readings (AMR etc.)
- Watch out for Leaks – ‘Leakage Allowances’ BUT only six weeks worth (big change here)
- Water Conserving Appliances/Bathrooms etc.

Domestic Energy Usage

Saving energy, saving money and saving the planet

Breakout Session: Energy Use in the Home

- What uses the most energy at home?
- In percentages, how much energy do you think you could realistically save at home?

No Cost Initiatives

- Lights and Equipment Turned Off
- Controls Properly Set
(Thermostat/Programmers/TRV's)
- Use Equipment Wisely (Kettles, Computers Left On, Dishwasher/Washing Machine – Full Loads)
- Look for Energy Logos (EnergyStar/EST)
- Check Bills and Provide Meter Readings
- Energy Supplier Switching - Tariffs

Low Cost Initiatives

Cost (DIY):

- Building Fabric Issues (Disrepair)
- Insulation, Insulation, Insulation (Loft/Pipework)
- Radiator Panels
- Low Energy Lighting (LED's/CFL's)
- Secondary Glazing
- Heating System Flush (Every Five Years)
- Draught Proofing








Mid Cost Initiatives

- Boiler Check (Every Year)
- Insulation: Loft Insulation/Cavity Wall Insulation
- Heating Controls – New ‘Programmable’ Thermostat, Internet Enabled (Smart Phone)
- Appliance Upgrades (Purchase Energy Efficient Appliances on Renewal – A Rated)
- New Tanks – Spray Foam Insulation Coated

High Cost Initiatives

- Heating System Upgrades (Boiler Replacements)
- Insulation Solid Walls (Internal/External)
- Windows Double Triple Glazed (A Rated)/FENSA
- Renewable Energy Generation Initiatives; Solar PV, Thermal, Biomass, Ground, Air Source Heat – Battery Technology (Tesla)



Energy Window	
Omega Trade Frames Ltd WHS Halo Eclipse PVC-U Casement Omega Ultimate (Rated A) Window	
	A
Energy Index (kWh/m ² /year) <small>Energy Index is certified by BRC, and based on L4 standard climate. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature.</small>	1
The climate zone is:	UK
Thermal Transmittance (U _{frame})	1.4 W/m ² /K
Solar Factor (g _{frame})	0.43 W/m ² /K
Effective Air Leakage (S _{frame})	0.00 W/m ³ /K
	Reg. No.: 282 www.brc.org 
<small>This label is not a statutory requirement. It is a voluntary label provided to a customer service to show compliance to some technical standards on the origin and for make all complying products.</small>	







Reduce Energy Ltd

www.nrgreduced.com

Twitter: @MinimizeEnergy

Key Dates and Events

24-30 September 2018 - Recycle Week

This year's theme will be: 'Recycling. We do. Because it matters.'

4th October 2018 - Nature Walk around Green Park

12:00 - 14:00, 100 Longwater Avenue

11th October, 2018 - Green Park Sleep Out in support of Launchpad

7.00 – 7.00, 100 Longwater Avenue

11th December, 2018 – Green Park Environmental Forum

Email: claire.watson@greenpark.co.uk

Any other business?

Summary of Discussions

1. Attendees identified many opportunities for energy saving in their own businesses and homes, during the round-table discussions; including:
 - Rationing of printer use
 - Shading of rooflights to reduce heat gain
 - Rotation of lift operations
 - Central heating controls and Apps
 - Partially filling kettles
2. Recycle Week – between 24th to 28th September, Green Park MT staff will be visiting the multi-lets from 12.00 to 2.00 (approx.) with their recycling roadshow. There will be an opportunity to ask questions, make suggestions and win a few donated goodies.