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NOTICE OF MEETING

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SUSTAINABILITY PANEL

will meet on

THURSDAY, 31ST MAY, 2018

At 7.00 pm

in the

COUNCIL CHAMBER - TOWN HALL,

TO: MEMBERS OF THE SUSTAINABILITY PANEL

TBC

SUBSTITUTE MEMBERS

TBC

Karen Shepherd – Service Lead, Democratic Services - Issued: 22 May 2018

Members of the Press and Public are welcome to attend Part I of this meeting. The agenda is available on the Council's web site at www.rbwm.gov.uk or contact the Panel Administrator **Wendy Binmore 01628796251**

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AGENDA

PART I

<u>ITEM</u>	<u>SUBJECT</u>	<u>PAGE NO</u>
1.	<u>APOLOGIES FOR ABSENCE</u> To receive any apologies for absence.	
2.	<u>DECLARATIONS OF INTEREST</u> To receive declarations of interests from Members of the Panel in respect of any item to be considered at the meeting.	5 - 6
3.	<u>MINUTES</u> To note the Part I minutes of the previous meeting	7 - 12
4.	<u>OPEN FORUM</u> Opening remarks by the Chairman on the Panel's role.	
5.	<u>ECO FUNDING & THE FLEXIBLE ELIGIBILITY</u> To receive a presentation from Scott Davis from GHE Solar LTD.	Verbal Report
6.	<u>WORK PROGRAMME</u> To note the current Work Programme of the Sustainability Panel.	13 - 14
7.	<u>ENERGY MANAGER'S UPDATE</u> To receive the above update.	15 - 24
8.	<u>DATE OF FUTURE MEETINGS</u> To note the dates of future meetings. <ul style="list-style-type: none">• Future meeting dates to be confirmed.	

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MEMBERS' GUIDE TO DECLARING INTERESTS IN MEETINGS

Disclosure at Meetings

If a Member has not disclosed an interest in their Register of Interests, they **must make** the declaration of interest at the beginning of the meeting, or as soon as they are aware that they have a DPI or Prejudicial Interest. If a Member has already disclosed the interest in their Register of Interests they are still required to disclose this in the meeting if it relates to the matter being discussed.

A member with a DPI or Prejudicial Interest **may make representations at the start of the item but must not take part in the discussion or vote at a meeting.** The speaking time allocated for Members to make representations is at the discretion of the Chairman of the meeting. In order to avoid any accusations of taking part in the discussion or vote, after speaking, Members should move away from the panel table to a public area or, if they wish, leave the room. If the interest declared has not been entered on to a Members' Register of Interests, they must notify the Monitoring Officer in writing within the next 28 days following the meeting.

Disclosable Pecuniary Interests (DPIs) (relating to the Member or their partner) include:

- Any employment, office, trade, profession or vocation carried on for profit or gain.
- Any payment or provision of any other financial benefit made in respect of any expenses occurred in carrying out member duties or election expenses.
- Any contract under which goods and services are to be provided/works to be executed which has not been fully discharged.
- Any beneficial interest in land within the area of the relevant authority.
- Any licence to occupy land in the area of the relevant authority for a month or longer.
- Any tenancy where the landlord is the relevant authority, and the tenant is a body in which the relevant person has a beneficial interest.
- Any beneficial interest in securities of a body where:
 - a) that body has a piece of business or land in the area of the relevant authority, and
 - b) either (i) the total nominal value of the securities exceeds £25,000 or one hundredth of the total issued share capital of that body **or** (ii) the total nominal value of the shares of any one class belonging to the relevant person exceeds one hundredth of the total issued share capital of that class.

Any Member who is unsure if their interest falls within any of the above legal definitions should seek advice from the Monitoring Officer in advance of the meeting.

A Member with a DPI should state in the meeting: ***'I declare a Disclosable Pecuniary Interest in item x because xxx. As soon as we come to that item, I will leave the room/ move to the public area for the entire duration of the discussion and not take part in the vote.'***

Or, if making representations on the item: ***'I declare a Disclosable Pecuniary Interest in item x because xxx. As soon as we come to that item, I will make representations, then I will leave the room/ move to the public area for the entire duration of the discussion and not take part in the vote.'***

Prejudicial Interests

Any interest which a reasonable, fair minded and informed member of the public would reasonably believe is so significant that it harms or impairs the Member's ability to judge the public interest in the item, i.e. a Member's decision making is influenced by their interest so that they are not able to impartially consider relevant issues.

A Member with a Prejudicial interest should state in the meeting: ***'I declare a Prejudicial Interest in item x because xxx. As soon as we come to that item, I will leave the room/ move to the public area for the entire duration of the discussion and not take part in the vote.'***

Or, if making representations in the item: ***'I declare a Prejudicial Interest in item x because xxx. As soon as we come to that item, I will make representations, then I will leave the room/ move to the public area for the entire duration of the discussion and not take part in the vote.'***

Personal interests

Any other connection or association which a member of the public may reasonably think may influence a Member when making a decision on council matters.

Members with a Personal Interest should state at the meeting: ***'I wish to declare a Personal Interest in item x because xxx'. As this is a Personal Interest only, I will take part in the discussion and vote on the matter.***

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Agenda Item 3

SUSTAINABILITY PANEL

THURSDAY, 8 MARCH 2018

PRESENT: Councillors Marion Mills (Chairman), Derek Sharp, Lynda Yong and Simon Werner

Also in attendance: Martin Fry

Officers: Wendy Binmore, David Scott, Naomi Markham, Sue Fox and Michael Potter.

APOLOGIES FOR ABSENCE

Apologies for absence were received from Councillors Coppinger, Pryer and Sharp.

DECLARATIONS OF INTEREST

None.

MINUTES

RESOLVED UNANIMOUSLY: That the Part I minutes of the meeting held on 30 January 2018 be approved.

OPEN FORUM

The Chairman welcomed the Panel and stated that changes were happening all the time, and the Energy Manager was working on the next Energy and Water Strategy, ensuring bills were kept as low as possible. The Borough was always looking to upgrade technology as and when it could.

POOL VEHICLES / ELECTRIC VEHICLE CHARGING

Sue Fox, Senior Project Manager gave an update on the Borough's pool cars and electric vehicle charging points. She stated a report went to Cabinet in September 2017 which looked at getting out the current pool cars contract and reducing the number of vehicles in the fleet and changing them to electric or hybrid vehicles. The council were trying to encourage more members of staff to use the pool cars. There were currently 13 petrol Mini's in the fleet on a three year lease with an annual mileage of 10k miles per year per car; the lease was in its final year but the cars were averaging just 7k miles per year. The Senior Project Manager had carried out some analysis on the type of trip and length of trip and where the cars were kept. She added that she was looking at potentially making them available for public use.

The Senior Project Manager stated she had been looking at different models of delivery and hoping to reduce the size of the fleet. She said it would be advisable to keep four of the 10 petrol cars due to some trips being carried out that were very long distance and the average range of an electric vehicle was 100 miles. The Senior Project Manager was looking at hybrid models which had a petrol generator which gave double the range; the cars did not have two engines like other hybrid models.

Looking at electric charging points, the Senior Project Manager said she was looking at potential locations. There could be four charging points at the Town Hall in the North Yard and four points at the Tinkers Lane Depot.

The Council's current car pool contract was with Alpha City; they were only able to provide a BMW i3 with or without the range extender but, they had the capability for a car club so that the public could use the cars in the evenings and at weekends. One issue for the car club was insurance. The Council's current insurance only covered staff using the vehicles and not the public. That would need to be managed and a solution agreed. The other issue with running a car club was where the cars would be left when not being used. The Town Hall would be fine but, not the North yard.

The charging points would be for Council use so they would not need pay as you go technology for that usage. The Senior Project Manager had also been looking at charging points for charging public vehicles on the street. There were already a couple of charging points installed at Hines Meadow car park which were pay as you go to charge. She added it was very difficult to get the electricity feed to the charging points if they were to be installed in the North Yard.

The Senior Project Manager was in talks with providers who could potentially provide a car club scheme. One of those providers was Enterprise who already ran a car club scheme which the Council could buy into. The Council could block book vehicles for a working week and they could then be used at weekends and in the evenings by the public. They used clever technology that worked out if it was cheaper to spot hire a vehicle or, use the car club so potentially saving the user money. If the Council talked to joint venture partners and developers, and the decision was made to all sign up to a car club scheme, the Council could potentially save money. Surrey Council had introduced a car club scheme which used staff pool cars and charging people to use their cars.

The Senior Project Manager explained her team had asked residents to nominate locations around the Borough where charging points could be installed. The charging points were eligible for up to 75% grant funding and some companies who installed the points offered to make up the last 25%. Once installed, users would either subscribe to a payment service or, use a pay as you go style system. In order to nominate where residents wanted to see charging points, they could go online and pinpoint where they most wanted them to be installed.

The next step was to assess feasibility and look at what parking restrictions at locations were like and how to reserve parking bays for electric vehicles with relevant controls such as length of maximum stay. Residents did not want to contribute to pay for charging points to be installed and there was no commitment in joining the scheme.

Councillor Werner said he had seen charging points in lampposts in other Borough's. the Senior Project Manager confirmed that she had looked into those types of charging points but, the Borough's lampposts were usually at the back of the pavement and so would leave cables trailing when a car was on charge. She was looking at putting together 10 sites as a pilot bid for funding which needed to be deliverable as the Council had to spend the funds in the same year they were awarded. There had been a lot of interest despite the scheme not being publicised yet. Councillor Werner stated there would be a lot of disappointed residents if there were only to be 10 sites. The Senior Project Manager said that all sites had to be assessed. The bid would be for a minimum number of sites to get the scheme up and running. The numbers required had not been announced as yet. There would be a zero cost for the installation of the charging points.

Councillor Werner stated he noticed that new public car parks in the Borough would not have charging points. He queried if it was sensible not to future proof the car parks. The Senior Project Manager stated the Borough did not have a standard for developers when building car parks but, when discussing that with developers, they were keen to install them anyway. The Head of Communities, Enforcement & Partnerships confirmed the Braywick Leisure Centre would have the infrastructure to ensure all parking spaces had a charging point. Councillor Werner stated Broadway Car Park was not future proofed to the same standard and he wanted officers to talk to developers regarding that.

The Senior Project Manager confirmed that she had not had any feedback from Surrey Council regarding their car club scheme. She had meetings coming up with potential providers and she was conscious of just how flexible the car club could be in reality. She added it would be advantageous to have a mix of vehicles if the public were to use them but, she did not want to be constrained by the type of vehicle for the pool cars.

The Chairman thanked officers as a lot of work had gone into the potential scheme so far and she looked forward to an update in due course.

- ❖ **Action** – The Senior Project manager to bring regular progress updates to the Sustainability Panel as and when they were available.

WASTE UPDATE

Naomi Markham, Waste Strategy Manager gave Members a brief update which included the following key points:

- Food waste:
 - The Council ran a campaign in 2016 which focused on food waste and since then, figures have been maintained in the amount of food waste recycled.
 - In 2015, 170 tonnes of food waste had been processed. This rose to 272 tonnes in 2017
 - The team were supplying the libraries with food waste bags.
 - The team were on target to increase food waste being collected in 2018.
- Textiles:
 - The Council relaunched the scheme in 2017.
 - Sacks were introduced for residents to put their unwanted textiles in.
 - In October 2016, seven to eight tonnes of textiles were collected per month.
 - In November 2017, 18 tonnes of textiles were collected with 10 tonnes collected in December 2017, 16 tonnes collected in January and 12 tonnes collected in February 2018.
 - Residents were now aware of the service and could recycle the stuff they could not take to charity shops.
- Contamination:
 - Residents were confused over what could be recycled and what should not be recycled.
 - Nappies were becoming more of a problem
 - Shiny gift wrap and polystyrene were among the items that could not be recycled
 - In recent weeks, the recycling collection team were putting stickers on bins which showed a list of items that could not be put into recycling bins.

The Waste Strategy Manager confirmed the Council received approximately £40 per tonne of recycled textiles.

Martin Fry commented that biodegradable food waste bags were no longer available through the Council. The Waste Strategy Manager confirmed they could be bought from a supermarket but, the Council was still supplying plastic bags. The reason the Council was still using plastic bags was due to the way the food waste was processed. It was an anaerobic process and the biodegradable bags were not suitable for the machinery. The plastic bags were being recycled once they were emptied of food waste. Councillor Werner enquired how much recycling was rejected due to contamination. The Waste Strategy Manager responded that no recycling was rejected but, approximately 14% of recycling was contamination which was sorted at plant and removed; the 14% that was rejected was not the Borough's targeted waste. Councillor Werner stated that other Councils were running a campaign 'if in doubt, leave it out'. The Waste Strategy Manager said that was something she could look into.

The Waste Strategy Manager confirmed that the 14% of contamination found in recycling was put back into waste. When inputting data flow, her team input the full waste flow which included rejected recycled waste material. The Chairman stated she was impressed by the level of detail on recycling and waste. Councillor Werner requested a monthly spreadsheet with an itemised list of what had been collected which went back for the last few years. The Waste Strategy Manager agreed she would send Councillor Werner the information.

The Waste Strategy Manager confirmed the Borough was not looking to change waste collection contracts. There were no large scale changes due to be made. She was however, happy to listen to any potential small scale changes that could improve the current contracts. The Head of Communities, Enforcement & Partnerships confirmed a paper was going to Cabinet in April 2018 relating to the waste contracts and that could be circulated to the Panel prior to Cabinet.

Councillor Werner wanted to know if the 25 year waste contract affected the food waste collection. The Waste Strategy Manager confirmed they were two separate contracts. The contracts were for 25 years and the Borough were tied into them from 2012. The food waste contract tied the Council into an anaerobic disposal way of disposing of food waste and the Borough was committed to a certain level of tonnage. The Head of Communities, Enforcement & Partnerships stated there was still food waste being disposed of into normal refuse.

Councillor Werner asked the Waste Strategy Manager if it was possible to introduce free garden waste collection. The Waste Strategy Manager confirmed the Borough received some income from garden waste collection so her team would need to look into that. Councillor Werner stated it seemed harsh to be tied into a 25 year contract for waste when technology moved so quickly. The Waste Strategy Manager responded it was a standard length of contract for the industry. The Borough had a degree of flexibility in the contract as it was 15 years with a five plus five clause. The Chairman commented the Borough was still ahead of other local authorities on how much and what the Borough collected and recycled.

Members thanks the Waste Strategy Manager for her comprehensive and informative update.

- ❖ **Action** – The Waste Strategy Manager to send Councillor Werner historical spreadsheets showing all items collected in recycling.
- ❖ **Action** – The Head of Communities, Enforcement & Partnerships to circulate the Cabinet Paper on waste collection and recycling contracts to the Panel prior to it going to Cabinet.

ENERGY REDUCTION MANAGER UPDATE

Water Refilling and Fountain

Michael Potter, Energy Manager provided Members with an update on energy reduction which and stated with regards to water refilling and fountains, the Energy Manager had been in contact with a refilling organisation that were running a nationwide scheme (www.refill.org.uk); Refill.org.uk explained the Council could set up its own sites and use their app but the Council could increase water consumption due to the scheme. The Chairman stated at the previous meeting, Laxmi had mentioned installing a water fountain on the High Street in Maidenhead but, it needed to be a fountain that could refill a bottle as well as drink straight from. She suggested the Energy Manager look into that to see what could be provided and also, encourage businesses to allow customers and passers-by to refill their bottles at their establishments. She was sure that a lot of businesses were already doing so but, the more that offered to do it, the better. Councillor Tong suggested asking businesses to sign up to a scheme where they could place a sticker in their windows letting the public know they could refill their bottles there. She added one water fountain in the Town was great but, getting businesses to put a sign in their window was more cost effective.

The Energy Manager explained to Members that there was a public toilet with a drinking tap in the Town Centre of Maidenhead. There were also a lot of cafes in the Borough he could talk to so that customers could fill up their bottles. The Chairman commented that was a good place to start and requested feedback from the Energy Manager on how successful the scheme was and how many businesses had signed up.

The Energy Manager stated the feeling was not to install a fountain in the High Street in Maidenhead due to cost of installation and maintenance. It was suggested to have it installed somewhere indoors if there was to be one. However, if businesses on the High Street were allowing people to refill in their establishments, that negated the need for a fountain at all. Councillor Yong suggested asking Laxmi for help as she had offered to help with ideas at the last meeting. She could approach establishments and ask if they were interested in joining the scheme. The Chairman stated Steph James, the Maidenhead Town Manager should be approached and asked to join in on getting businesses to agree to the scheme.

- ❖ **Action** – The Energy Manager to speak to Steph James, Town Manager to ask her to help engage businesses to sign up to a bottle refilling scheme for members of the public.

Energy

Members noted the details of the energy data on page 15 of the agenda pack, paragraph 11.1. between April and December 2017, there was an 18.5% reduction in energy against the baseline for corporate sites; including lighting, it was a 25% reduction. The target was a 15% reduction so the Council was on track.

Councillor Yong wanted to know why the Tinkers Lane Depot used so much more gas than other sites. The Head of Communities, Enforcement & Partnerships replied it was an old building with poor insulation and there had been an increase in the number of people that worked at the site since the closure of York House. The Energy Manager stated there had been a reduction of energy usage by boilers of 19% in the Town Hall following the upgrade in the BMS.

Street Lighting

Members noted the details of the energy reductions since the switch over to LED bulbs which was listed on page 24 of the agenda pack. The Energy Manager highlighted that from April 2017 to January 2018, there had been a reduction of energy use of 20%. That reduction would continue to increase as the LED switch over programme continued.

Energy and Water Storage

The Energy Manager had produced a proposed action plan and he requested comments and feedback. The Chairman stated she would circulate the action plan for comments and set a deadline of 31 March 2018 to receive feedback from Panel Members.

The Energy Manager stated there was a new energy and water baseline and he was looking to include Optalis and AfC buildings in that baseline as they were still part of the Borough's contract and the Council still looked after their buildings. However, the leisure centres were excluded from the baseline.

- ❖ **Action** – The Energy Manager to send the Chairman his proposed Energy and Water Reduction Action Plan to be circulated to the Panel for comments and feedback.

Tap volumiser trial

The Energy Manager confirmed volumisers had been installed on the ground floor of the Town Hall and they had been monitored since they had been installed four weeks previously. There

were two weeks where water usage had reduced and had saved approximately £250. If that trend continued, the volumisers would only take three years to pay back. However, there were two weeks where there was an even higher usage of water than before the volumisers were installed but, he could not work out why. The Head of Communities, Enforcement & Partnerships confirmed that during that two week period there had been an event in the Desborough Suite.

The Energy Manager said that a couple of taps needed to be replaced in order to fit the volumisers and he was looking at getting that done as soon as possible. The Energy Manager confirmed that no staff had noticed the change over to the volumisers although the taps were using a fifth of water compared to the taps without volumisers fitted.

Work Planned

An internal consultation on the Energy and Water Strategy was due to take place and the Energy Manager was looking at increasing the number of water volumisers across Council buildings.

RESOLVED UNANIMOUSLY: That:

- i. The Sustainability Panel noted the report, the progress made and commented on the proposed work plan over the next period as detailed in paragraph 11.21 of the report.**
- ii. The Sustainability Panel noted the proposed annual Energy and Water Strategy Action Plan and provided comments.**
- iii. The Sustainability Panel approved the inclusion of Optalis and Achieving for Children leased Council buildings in the energy baselin.**

DATE OF FUTURE MEETINGS

Members noted the details of the next meeting date being 31 May 2018.

The meeting, which began at 7.00 pm, finished at 8.45 pm

CHAIRMAN.....

DATE.....

31 May 2018

REPORT	AUTHOR
Energy Manager's Update	Michael Potter
Presentation from Scott Davis – (GHE Solar LTD) - ECO funding & the Flexible Eligibility	
TASK AND FINISH	

REPORT	AUTHOR
TASK AND FINISH	

REPORT	AUTHOR
TASK AND FINISH	

REPORT	AUTHOR
TASK AND FINISH	

ITEMS ON THE CABINET FORWARD PLAN BUT NOT YET PROGRAMMED FOR A SPECIFIC SCRUTINY PANEL MEETING

REPORT	AUTHOR

ITEMS SUGGESTED BUT NOT YET PROGRAMMED

REPORT	AUTHOR
TASK AND FINISH	

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Report Title:	Energy Reduction Manager Update
Contains Confidential or Exempt Information?	NO - Part I
Member reporting:	Councillor Coppinger, Lead/Principal Member for Sustainability
Meeting and Date:	Sustainability Panel - 31 May 2018
Responsible Officer(s):	Andy Jeffs Executive Director & David Scott, Head of Communities, Enforcement & Partnerships
Wards affected:	None

REPORT SUMMARY

1. This report provides an overview of the progress being made to deliver the Council's energy and water reduction strategy.
2. This report provides an update on the council's energy consumption 2017/18, on the sustainability strategy 2014-2018, on the energy and water strategy 2018-2022, on the schools energy saving competition, on the refill scheme and on the Braywick leisure centre solar project. It is recommended that the panel notes the report and the progress made.
3. Recommendations are being made because it is important that members provide comment and direction on the work being carried out so that the energy and water strategy targets are met.

1 DETAILS OF RECOMMENDATION(S)

RECOMMENDATION: That the sustainability panel notes the report and the progress made.

2 REASON(S) FOR RECOMMENDATION(S) AND OPTIONS CONSIDERED

- 2.1 The council has just finished a four year Sustainability Strategy and it is currently writing a new Energy and Water Strategy which will run from April 2018 to March 2022.
- 2.2 The new strategy is expected to have four key work areas: projects, monitoring and targeting, value for money and legislation. Each year an action plan will be drawn up to drive the council forward towards its strategy aims and targets. This update provides a progress report for energy and water matters.

2.3 Table 1: Options

Option	Comments
(a) The Council does not work towards reducing the council's energy and water consumption. This is not recommended	(a) Failing to reduce energy and water consumption would mean the council would not be able to continually drive down energy costs and therefore would not be offering value for money for its residents. It would also not be helping to improve the environment.
(b) The Council works towards reducing the council's energy and water consumption. This is the recommended option	(b) The Council will be able to improve the local environment and provide value for money for its residents.

3 KEY IMPLICATIONS

3.1 Table 2: Key implications – expected targeted annual reductions 2018/19

Outcome	Unmet	Met	Exceeded	Significantly Exceeded	Date of delivery
Overall percentage reduction of annual gas and electricity consumption in council corporate buildings in 2018/19 compared to the 2017/18 baseline.	<1%	1-1.5	1.5 -2	>2%	31/03/19
Percentage reduction of water consumption in Council office buildings in 2018/19 compared to the 2017/18 baseline.	<0.5%	0.5-1	1-1.5	>1.5%	31/03/19

4 FINANCIAL DETAILS / VALUE FOR MONEY

4.1 No new funds are being sought through this paper.

5 LEGAL IMPLICATIONS

5.1 The council has the power to take the actions proposed. The draft energy and water strategy presented in this report highlights the relevant legislation that relates to the council in respect to energy management in the borough.

6 RISK MANAGEMENT

6.1 **Table 4: Impact of risk and mitigation**

Risks	Uncontrolled Risk	Controls	Controlled Risk
Targets for overall energy and water reduction are not met.	HIGH	By providing updates at each panel meeting, Members are able to keep track of overall progress to ensure the Council meets its annual projected reductions and savings commitments.	LOW
Increasing energy and water costs for the council puts additional pressures on budgets.	HIGH	By providing updates at Panel meetings on progress to reduce energy and water usage and progress on securing the best available energy contracts, Members will be able to assess the work that is taking place to ensure that cost increases are minimised as far as possible.	LOW

7 POTENTIAL IMPACTS

7.1 This update contains content relating to the sustainable improvement of the council's buildings and the information collated about them.

7.2 No equality impact assessment has been carried out.

8 CONSULTATION

8.1 None

9 TIMETABLE FOR IMPLEMENTATION

9.1 No timetable set at this time.

9.2 Implementation date if not called in: Immediately

10 APPENDICES

10.1 The appendices to the report are as follows:

- Appendix 1 – Electricity and gas data for 2017/18 (April to February)

11 BACKGROUND DOCUMENTS

Energy monitoring data

11.1 An update on the council's energy consumption data for corporate sites is presented in appendix 1. The data shown covers April 2017 to February 2018. The electrical data for March is not yet fully complete and so the full year saving can't be shown at this time.

11.2 Overall the data shows a total saving of 21% compared to the baseline year (2013/14) for the April to February period. This means, as the savings are likely to be maintained in March, that the saving target of 15% will be exceeded by at least 6%. Once the final figures for March have been received the final saving for the strategy will be calculated. This figure will then be presented in the Around the Royal Borough.

Sustainability Strategy 2014-2018

11.3 The Sustainability Strategy 2014-2018 has recently ended and so it is a good time to reflect on some of the key pieces of energy and water saving work that have been carried out over the last four years. The strategy started out with some work on gas, electric and water automatic metering. This was to try and improve the accuracy of billing and to improve monitoring of the council's energy supplies. At the time all corporate supplies that could be upgraded were as well as being set up with online access.

11.4 During the strategy a number of projects were delivered around the borough that were either installed by the council or influenced by the council. These projects were designed to reduce grid consumption of electric and gas as well as to reduce water consumption. Projects that the council installed directly include the Town Hall solar

panels, RE:FIT performance contract in 6 buildings, LED lighting upgrades across 36 corporate sites, LED streetlighting across the whole estate, the Town Hall building management system, direct flush urinal controls, tap volumisers. A number of projects were carried out in the school estate to install biomass boilers and solar panels and the schools received support from the council on these.

- 11.5 Work was also carried out to improve awareness of energy consumption through the staff awareness campaign and the schools energy saving competition. Residents were encouraged to install renewable technologies and also to save money on their bills through the Energy Switch to Save scheme.
- 11.6 All this work has meant that the council has exceeded its energy and water targets (a 21% energy saving (15% target) and a 37% water saving (3% target)) and also met many of the further aims for the strategy. These further aims included items such as install 900 LED streetlights, complete coverage of electric and gas AMR, water loggers installed where viable, to install a renewable technology, to encourage residents and schools to install renewable technologies and to increase staff and school energy awareness. Following the last four year strategy the council is in a great position to start the new four year energy and water strategy. The new energy and water strategy will aim to consolidate the work that has happened and continue to reduce energy and water consumption even further.

Energy and water strategy 2018-2022

- 11.7 The new energy and water strategy is now complete as a first draft. Since the current Energy Reduction Manager is leaving, the strategy will be progressed to completion by the new post holder once they are recruited.
- 11.8 The new draft strategy is based around four work areas: projects, monitoring and targeting, value for money and legislation. It looks at what we have done over the last strategy, sets out the direction of work for the next four years and for the first time takes a look at what the longer term goal is for the council doing this work.

Schools Energy Saving Competition

- 11.9 The schools energy saving competition ran from the 23rd April to the 14th May. This year there were 7 schools taking part in the competition. This was slightly less than last year when 9 schools took part. Four of the schools taking part also competed in last year's competition.
- 11.10 The schools were asked to record their energy consumption for 2 weeks to form a baseline. They did this by taking weekly meter readings. Over the third week of the competition the schools were encouraged to make changes in the school to save energy. The schools were given an energy checklist both for staff and pupils to assist them. This was a simple form to highlight where energy might be wasted in a school.
- 11.11 The winning school was The Royal School. The prize giving was held on the 23rd May 2018. The winning school received the Schools Energy Saving Competition Cup and a winner's certificate. Photos were taken with the winning school and these will be used in an article about the competition in Around the Royal Borough.
- 11.12 Oldfield Primary were awarded a highly commended certificate due to the large savings they made and the improvement they made on last year. All other competing schools received a runners up certificate.

Refill scheme

- 11.13 The company leading on the Refill campaign, City to Sea CIC, has now provided some information and resources to the council. They still do not appear to be fully set up for a larger campaign across the UK though. This meant that some of the info provided wasn't up to date and they were not able to provide stickers/ information packs to hand out to businesses.
- 11.14 City to Sea were clear that they thought the campaign should come from local residents/ local community groups rather than directly from the council. It was felt that the ethos of the campaign should be that it is a community effort. This should therefore help to cultivate the image of any local business signing up as one that is contributing to the community.
- 11.15 The roll out of the Refill scheme in the borough was being held up as the council was waiting for stickers/ information packs to be made available for distribution to local businesses. City to Sea can't provide these campaign items at the moment and so they said to start recruiting businesses without them. Laxmi Seshaiyer, the local resident who highlighted the issue, has now been provided with some information about how to recruit local businesses. A trial will be run to see how receptive businesses are. All the businesses that are interested will be added to the Refill app and their location will become visible to anyone that uses the app for refilling their water bottle. Information about the scheme and the app will be added to the Around the Royal Borough once enough businesses have signed up to the scheme.
- 11.16 With regards to council sites, the council is looking to add four locations to the app initially – Maidenhead Library café, Windsor Library café, Maidenhead Town Hall café, Windsor Guildhall drinking water fountain. Unfortunately both the Town Hall café and the Maidenhead Library café have both very recently closed down. Once new café operatives are found they will be asked if they could offer a refill to residents.
- 11.17 It is interesting to note that prior to any additions from the council/ Laxmi Seshaiyer there are now 16 refill points in the borough. This is mainly due to chains such as Costa, Starbucks, Premier Inn, Fullers and Bills all signing up to the scheme nationally.

Braywick Leisure Centre Solar Project

- 11.18 Following the inclusion of solar panels on the Braywick Leisure Centre planning application a project is being developed for their installation. Since no funding is allocated to the roof solar project external funding is being sought.
- 11.19 There is also another potential solar project being developed adjacent the main leisure centre site. This project is to build a solar car port over a row of car parking spaces. There is potentially some funding available for this scheme but it may need to be topped up depending on the overall project costs.
- 11.20 Both the roof solar and the solar car port will provide electricity to the leisure centre. The solar car port would feed into the car charging network being developed as part of the leisure centre car park development. The charging network is fed from the leisure centre so any excess generated electricity from the car port would be used by the leisure centre.

- 11.21 At the moment private funding is being sought for the projects. As part of the offer the leisure centre and hence the council would receive reduced price renewable electricity from the solar panels. The fund would provide the investment and then receive their investment back including interest. For this to work the new leisure centre operator will need to agree to purchase the generated electricity from the finance provider/ the council. It has been confirmed that this can be stipulated in any new leisure centre contract. The complexity of working this scheme into the wider leisure centre build and the timeframes of the feed in tariff scheme may mean that this project becomes not viable. It will therefore need to be followed up by the new Energy Reduction Manager later in the year when they are in post.
- 11.22 There are essentially two key sources of funding that can be accessed for solar on a project like this. The first is using a finance from a specialist green investment fund and the second is using a cooperative fund. Both offer investment opportunities for their investors but whilst the green investment company is essentially investing for its own profits the cooperative approach allows direct investment from the local community to release profit within the local community.
- 11.23 Both sources of funding are being investigated to determine if either of them are financially viable and if so which is the better offer. The financial situation is likely to change at the end of March 2019, due to the end of the feed in tariff, and so it is likely that any solar panel system will need to be installed by then. This is purely due to the end of the feed in tariff at this date. Past this date it may well still be possible if the solar market lowers its prices further.

12 CONSULTATION (MANDATORY)

Name of consultee	Post held	Date issued for comment	Date returned with comments
Cllr Coppinger	Lead member for Sustainability	15/05/2018	
Cllr Mills	Chairman of the Sustainability Panel	15/05/2018	21/05/2018
Lisa Pigeon	Environmental Health Lead	30/04/2018	11/05/2018

REPORT HISTORY

Decision type: Non-key decision	Urgency item? No	To Follow item? No
Report Author: Michael Potter, Energy Reduction Manager, 01628 682949		

Appendix 1 – Electricity and gas data for 2017/18 (April to February)

Total electric and gas consumption (kWh) by month for the council's corporate buildings 2017/18

	April	May	June	July	August	September	October	November	December	January	February
Electric 13 14	444,318	425,230	403,450	428,198	402,684	409,366	449,374	472,349	517,312	491,408	443,937
Gas 13 14	127,323	73,856	21,757	15,038	15,917	35,558	75,232	158,388	188,144	235,059	185,281
	571,641	499,086	425,207	443,236	418,601	444,924	524,606	630,737	705,456	726,467	629,218
	April	May	June	July	August	September	October	November	December	January	February
Electric 17 18	297,216	305,721	295,134	304,072	305,184	334,581	325,066	313,572	324,029	342,194	333,712
Gas 17 18	86,825	60,994	35,379	18,927	29,338	39,420	66,989	164,205	208,021	206,939	206,171
	384,041	366,715	330,513	322,999	334,522	374,001	392,055	477,777	532,050	549,133	539,883
kWh Reduction	-187,600	-132,371	-94,694	-120,237	-84,079	-70,923	-132,551	-152,960	-173,406	-177,334	-89,335
Cumulative % reduction compared to baseline	-2.8%	-4.8%	-6.2%	-8.0%	-9.3%	-10.3%	-12.3%	-14.6%	-17.2%	-19.9%	-21.2%

Comparison of electric consumption (kWh) for the period April to February for the current year, 2016/17 year and the 2013/14 baseline year

Site	13/14 Baseline (kWh)	2016/17 (kWh)	2017/18 (kWh)	Difference to last year (kWh)	% difference to last year	Difference to Baseline (kWh)	% Difference to Baseline
JUBILEE FOUNTAIN	13,310	112,461	63,563	-48,898	-43%	50,253	378%
BRAYWICK PARK SPORTS CENTRE	23,115	54,103	35,613	-18,490	-34%	12,498	54%
ST MARY'S HOUSE	14,796	24,958	25,328	370	1%	10,532	71%
WALDECK HOUSE	12,950	16,148	22,161	6,013	37%	9,211	71%
GRENFELL PARK FOUNTAIN	3,224	13,261	11,575	-1,686	-13%	8,351	259%
MILLHOUSE FAMILY CENTRE	4,128	6,308	12,450	6,142	97%	8,322	202%
AVIARY BLDG	11,110	21,883	18,624	-3,259	-15%	7,514	68%
VANSITTART SKATE PARK	80	5,880	5,956	76	1%	5,876	7345%
OAKLEY GREEN CEMETERY	12,169	16,768	17,960	1,192	7%	5,792	48%
Dedworth Road Sports Pav (aka Clewer Rec Ground)	14,249	19,037	19,566	529	3%	5,317	37%
RIVER STREET CAR PARK & TOILETS	3,136	3,958	7,592	3,634	92%	4,456	142%
ST MARY'S HOUSE	26,929	27,530	30,507	2,977	11%	3,578	13%
PUBLIC CONVENIENCE, HOME PARK	6,033	2,600	9,493	6,893	265%	3,460	57%
OAKLEY GREEN CEMETERY	8,734	1,083	11,427	10,344	955%	2,693	31%
SUNNINGHILL LIBRARY	6,077	8,926	8,448	-478	-5%	2,371	39%
OAKEN GROVE SPORTS PAVILLION	18,674	14,484	20,764	6,280	43%	2,090	11%
WINDSOR Y & C. CENTRE	27,254	26,681	29,280	2,599	10%	2,026	7%
MINSTER COURT- Berkshire Pensions Office	30,967	34,697	32,722	-1,975	-6%	1,755	6%
MILLHOUSE FAMILY CENTRE	3,900	7,859	5,021	-2,838	-36%	1,121	29%
ETON WICK YOUTH CLUB	12,076	11,213	13,103	1,890	17%	1,027	9%
MAIDENHEAD PROJECT CENTRE	34,898	37,737	35,618	-2,119	-6%	720	2%
YORK ROAD FLATS	154	912	834	-78	-9%	680	443%
BOURN DITCH KIOSK PUMPING STATION	763	1,096	1,095	-1	0%	332	43%
HOME PARK	3,247	4,013	3,565	-448	-11%	318	10%
STAFFERTON LODGE	5,908	13,362	6,104	-7,258	-54%	196	3%
CLARENCE ROAD PUMPING STATION	127	261	319	58	22%	192	151%
PRIDES CROSSING PUMPING STATION	143	540	327	-213	-39%	184	129%
WEST STREET PUMPING STATION	103	229	249	20	9%	147	143%
CLARENCE ROAD PUMPING STATION	202	276	289	13	5%	87	43%
SAINSBURY'S PUMPING STATION	71	193	136	-57	-30%	65	92%
ETON LIBRARY	2,290	2,735	2,331	-404	-15%	41	2%
BRIDGE ROAD PUMPING STATION	79	90	116	26	29%	37	48%
JUBILEE CLOCK TOWER	870	898	905	7	1%	35	4%
Shifford Crescent - Library Container Post	537	524	564	40	8%	27	5%
PUBLIC CONVENIENCE-CHRISTIAN SQUARE	6	5	7	2	40%	1	8%
TELEMETRY STATION	0	0	0	0	0%	0	0%
WINDSOR CEMETERY (Chapel & Depot)	0	0	0	0	0%	0	0%
FRASCATTI WAY PUMPING STATION	59	60	48	-12	-20%	-11	-18%
GARAGES-REAR OF STAFFERTON LODGE	297	214	251	37	17%	-46	-15%
HIGH STREET FEEDER PILLAR	203	559	124	-435	-78%	-79	-39%
WINDSOR CEMETERY (Chapel & Depot)	773	397	642	245	62%	-131	-17%
GEORGE V MEMORIAL	5,806	5,348	5,601	253	5%	-205	-4%
PUBLIC CONVENIENCE - IMPERIAL PARK	477	912	135	-777	-85%	-342	-72%
RAWCLIFFE HOUSE (Industrial Unit)	4,283	4,975	3,708	-1,267	-25%	-575	-13%
PUBLIC CONVENIENCE - Sunninghill	2,354	3,315	1,499	-1,816	-55%	-855	-36%
WEST STREET CAR PARK	4,691	5,011	3,816	-1,195	-24%	-875	-19%
WALDECK HOUSE	27,579	29,652	26,549	-3,103	-10%	-1,030	-4%
PUBLIC CONV. SUTTON ROAD	2,980	1,785	1,823	38	2%	-1,157	-39%
RAY MILL ISLAND KIOSK	17,088	16,361	15,923	-438	-3%	-1,165	-7%
OLD WINDSOR LIBRARY	5,289	4,858	4,009	-849	-17%	-1,280	-24%
WINDSOR LIBRARY	58,940	53,646	57,419	3,773	7%	-1,521	-3%
PUBLIC CONVENIENCE-ASCOT	6,092	3,932	4,549	617	16%	-1,543	-25%
PUBLIC CONVENIENCE-ETON COURT	6,182	4,466	4,548	82	2%	-1,634	-26%
Public Convenience - Batchelors Acre	13,406	11,051	11,188	137	1%	-2,218	-17%
Canoe Centre/Hurley Lock Amenity Building	8,627	7,732	6,172	-1,560	-20%	-2,455	-28%
BRAYWICK NATURE CENTRE	8,336	5,410	5,484	74	1%	-2,852	-34%
PINKNEYS GREEN Y & C.CENTRE	10,861	7,333	7,666	333	5%	-3,195	-29%
The Lodge House	17,653	20,934	13,526	-7,408	-36%	-4,127	-23%
BATCHELORS ACRE FOUNTAIN	22,047	19,848	17,881	-1,967	-10%	-4,166	-19%
RAWCLIFFE HOUSE (Industrial Unit)	15,411	12,278	10,895	-1,383	-11%	-4,516	-29%
OAKBRIDGE DAY CENTRE	34,888	32,815	30,274	-2,541	-8%	-4,614	-13%
MANOR YOUTH CENTRE	15,099	11,107	9,809	-1,298	-12%	-5,290	-35%
ETON LIBRARY	11,198	6,384	5,810	-574	-9%	-5,388	-48%
ALMA ROAD CAR PARK	10,477	5,424	4,517	-907	-17%	-5,960	-57%
COOKHAM LIBRARY	25,824	19,501	18,849	-652	-3%	-6,975	-27%
Larchfield Community Centre	25,713	17,179	14,549	-2,630	-15%	-11,164	-43%
WINDSOR GUILDHALL	63,956	39,862	45,612	5,750	14%	-18,344	-29%
WINDSOR COACH PARK	65,630	43,790	44,202	412	1%	-21,428	-33%
TINKERS LANE DEPOT	388,179	349,938	363,182	13,244	4%	-24,997	-6%
MAIDENHEAD LIBRARY	287,618	254,125	239,389	-14,736	-6%	-48,229	-17%
NICHOLSONS CAR PARK	426,989	416,022	367,327	-48,695	-12%	-59,662	-14%
VICTORIA STREET CAR PARK	157,117	115,289	86,225	-29,064	-25%	-70,892	-45%
STAFFERTON WAY CAR PARK	373,636	265,859	250,190	-15,669	-6%	-123,446	-33%
TOWN HALL	1,123,474	871,636	854,866	-16,770	-2%	-268,608	-24%
HINES MEADOW CAR PARK	555,284	188,088	191,535	3,447	2%	-363,749	-66%
HINES MEADOW CAR PARK	780,803	327,091	297,077	-30,014	-9%	-483,726	-62%
STREETLIGHTING	5,552,522	5,514,698	4,334,322	-1,180,376	-21%	-1,218,199	-22%
	10,440,148	9,191,594	7,814,803	-1,376,790	-15%	-2,625,345	-25%

Comparison of gas consumption (kWh) for the period April to February for the current year, 2016/17 year and the 2013/14 baseline year

Site	13/14 Baseline (kWh)	2016/17 (kWh)	2017/18 (kWh)	Difference to last year (kWh)	% difference to last year	Difference to Baseline (kWh)	% Difference to Baseline
TINKERS LANE DEPOT	79,011	109957	121,682	11,725	10.66%	42,671	54.01%
TOWN HALL	262,532	295054	262,878	-32,176	-10.91%	346	0.13%
WINDSOR GUILDHALL	78,437	54394	76,053	21,659	39.82%	-2,384	-3.04%
OAKBRIDGE DAY CENTRE	102,981	111470	126,210	14,740	13.22%	23,229	22.56%
BRAYWICK NATURE CENTRE	10,284	25729	29,254	3,525	13.70%	18,970	184.46%
WALDECK HOUSE	36,118	51629	37,320	-14,309	-27.72%	1,202	3.33%
TOWN HALL	66,968	89161	77,306	-11,855	-13.30%	10,338	15.44%
Charters Youth & Community Centre	6,949	7447	8,551	1,104	14.82%	1,602	23.05%
ST MARY'S HOUSE	26,028	39338	31,954	-7,384	-18.77%	5,926	22.77%
DATCHET Y. & C. CENTRE	9,927	9646	9,837	191	1.98%	-90	-0.91%
ETON WICK YOUTH CLUB	15,038	16770	15,534	-1,236	-7.37%	496	3.30%
MILLHOUSE FAMILY CENTRE	13,805	9360	10,895	1,535	16.40%	-2,910	-21.08%
PINKNEYS GREEN Y. & C. CENTRE	47,844	49926	40,599	-9,327	-18.68%	-7,245	-15.14%
SUNNINGHILL LIBRARY	10,343	5742	10,343	4,601	80.13%	0	0.00%
MAIDENHEAD PROJECT CENTRE	71,155	65442	67,130	1,688	2.58%	-4,025	-5.66%
WINDSOR COACH PARK	82,307	57546	65,522	7,976	13.86%	-16,785	-20.39%
WALDECK HOUSE	33,385	32402	22,054	-10,348	-31.94%	-11,331	-33.94%
COOKHAM LIBRARY	50,110	42665	28,992	-13,673	-32.05%	-21,118	-42.14%
WINDSOR LIBRARY	81,055	68906	57,420	-11,486	-16.67%	-23,635	-29.16%
MINSTER COURT- Berkshire Pensions Office	47,276	27144	23,674	-3,470	-12.78%	-23,602	-49.92%
	1,131,553	1,169,728	1,123,208	-46,520	-3.98%	-8,345	-0.74%