

# GREATER MANCHESTER POLICE, FIRE & CRIME PANEL

Date: 12 June 2023

Subject: GMP Carbon Reduction

Report of: GMP Chief Resources Officer Ian Cosh

---

## Purpose of Report

The purpose of this report is to update members of the Panel on the work underway in GMP to improve long term sustainability and reduce our business-related carbon emissions.

## Recommendations:

The Panel is requested to note the contents of the report.

## Contact Officers

Robert Hayes, Facilities Manager (Sustainability)

[Robert.Hayes1@gmp.police.uk](mailto:Robert.Hayes1@gmp.police.uk)

BOLTON  
BURY

MANCHESTER  
OLDHAM

ROCHDALE  
SALFORD

STOCKPORT  
TAMESIDE

TRAFFORD  
WIGAN

## **Equalities Impact, Carbon and Sustainability Assessment:**

Please note the contents of the report and the work underway within GMP

### **Risk Management**

None to note.

### **Legal Considerations**

None to note.

### **Financial Consequences – Revenue**

None to note. Work is underway to review GMP's procurement processes to ensure sustainability and environmental factors are considered in future financial decision making.

### **Financial Consequences – Capital**

None to note. Work is underway to review GMP's procurement processes to ensure sustainability and environmental factors are considered in future financial decision making.

**Number of attachments to the report:** None

## **1. Overview**

The establishment of a GMP Sustainability Team is progressing which is expected to go live in Autumn 2023. This team, comprising a Principal Facilities Manager and a Sustainability Officer (a wider business case has been submitted seeking further additional resource) will finalise the performance scorecard, report progress on a quarterly basis and provide support to GMP teams to drive improvements in those matrices.

In the interim, this update is intended to provide the GM Police, Fire & Crime Panel with GMP's day-to-day progress in carbon reduction as part of business as usual.

## **2. Energy contract**

GMP's electricity contract has been re-let with EDF Electricity via the Crown Commercial Service framework. This 100% renewable electricity is backed by The Renewable Energy Guarantees of Origin (REGO) scheme – with the energy sourcing be wind, solar and biogas. The contract allows purchasing at up to 30 months prior to consumption will help to obtain the most competitive rates available.

## **3. Solar power**

The three large solar panel arrays installed in 2022 (766 panels total) are performing well and have just been cleaned ready for summer 2023. Live performance data is available via an app and website – an example for one site is shown below:

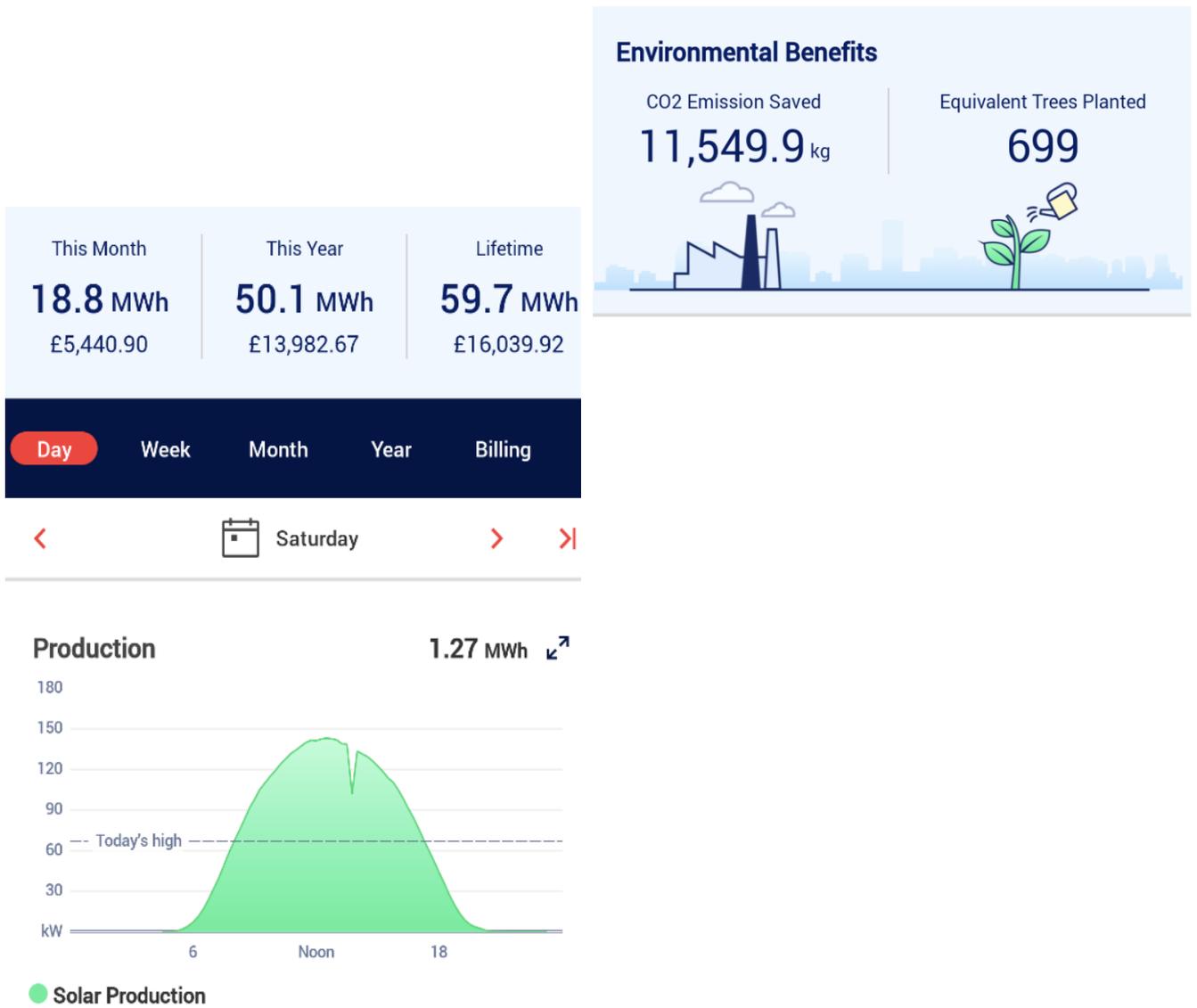


Fig 1. City of Manchester DHQ – Solar panel output (503 panels) - Saturday 20th May 2023

The solar panel systems went live following summer 2022 so we have yet to see full summer outputs, however the cumulative output so far is:

Carbon saving Kg	Equivalent trees planted	Electricity generated kWh
21,307	1,289	110,200

## **4. Waste contract**

The waste contract is being reviewed as the current contract period is ending. We are utilising existing procurement frameworks to allow minimal service disruption and best value. We send 0% of our waste to landfill and shall be expanding waste segregation in our buildings to boost recycling rates and reduce collection fees. We will continue to receive a monthly report detailing the end route of the waste streams.

Before the end of 2023, plastic bottle and aluminium can recycling will be rolled out to our three principal sites at Central Park, and this will continue into 2024 with the remaining core buildings and complexes. In addition, coffee cup recycling bins will be introduced at catering locations where the use of porcelain mugs/cups is to be maximised where practicable. Discussions are also taking place to roll out these improvements to the non GMP owned buildings through the PFI contract from April 2024.

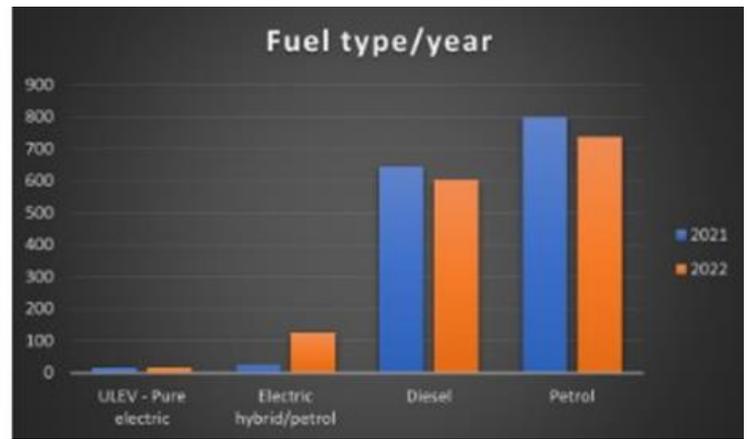
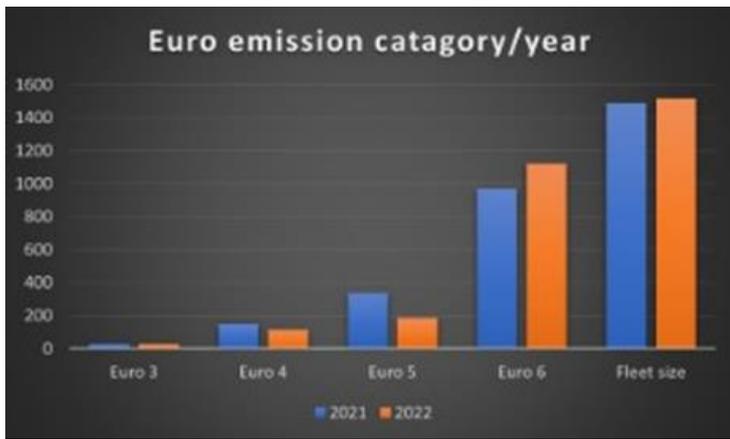
Cardboard, confidential paper, batteries, toner, lamps, scrap metal and computers are already segregated at source for recycling.

## **5. Fleet**

Recent fleet investment has seen the addition of hybrid Toyota cars to the response vehicle fleet to assist in reducing local air emissions, improve fuel efficiency and cutting carbon emissions.

Future years fleet capital programmes will see further investment in both hybrid and electric vehicles.

The following chart details the progression towards the highest emissions classification (Euro 6 represents the level of the strictness of testing and legislation for emissions) and the increase in hybrid vehicles joining the fleet post lockdown as new vehicle availability improves:



A project to introduce telematics into the Force's vehicle fleet has been identified and funding has been provided to scope out the project and progress a business case.

Telematics will enable GMP to monitor fleet utilisation and driver behaviour which will provide us with the data to challenge driver behaviour (excessive idling, excess speed, and harsh acceleration etc). All of which detrimentally contribute to increased fuel consumption and carbon emissions.

## 6. Procurement

A refresh of GMP's standard tender documentation is underway in relation to environment and sustainability requirements. Questions and evidence will be scaled relevant to the size of the procurement and the businesses being approached as SMEs and localism remain a key factor and opportunity to minimise carbon emissions from transport.

The Procurement team are working with business leads to help ensure all wastes that can be recovered for a revenue are and remain fully compliant with regards waste legislation with support from GMP's Facilities Team.

The most common repeat orders are being identified by our procurement colleagues and opportunities to limit delivery days and introduce multi-trip packaging are to be reviewed by the end of 2023. This is likely to be product groups such as stationery, cleaning materials and other consumables which will also benefit from delivery aggregation to reduce vehicle movements / carbon impact.