

Environmental Strategy 2021-31



**Cheshire
Constabulary**



**Police & Crime
Commissioner
for Cheshire**

Foreword

“We all have a part to play in making the Constabulary an environmentally aware organisation. Increasing sustainability by minimising our use of resources, conserving energy and reducing waste should be at the core of our daily operating practices.

This strategy has been developed in line with the UK Government environmental plan, which sets the goals for improving the environment within a generation and leaving it in a better state than when we found it.

We will also ensure that all objectives laid out in the strategy will be compiled in accordance with Local Authority Carbon Management Programmes of which we are a key stakeholder and underpins the commitments laid out within the Police and Crime Commissioners Police and Crime Plan.

The aim of this strategy is to demonstrate the Constabulary’s commitment to minimising our impact on the environment and to implement environmental best practice whilst supporting operational practices. The Government targets however, present a significant challenge to achieve and additional constraints on public sector funding makes investment decisions in conjunction with operational priorities difficult to balance.

The core objective is that sustainability considerations will be embedded into strategic decision-making, change, planning and policy throughout the Force.”



Mark Roberts
Chief Constable



Dan Price
Police and Crime Commissioner

Background

In 2008, Cheshire Constabulary joined the Carbon Trust Local Authority Carbon Management Scheme in order to develop a Carbon Management Plan designed to reduce public sector carbon emissions.

In 2009 the Constabulary was accepted onto the Local Authority Carbon Management Programme and produced a Carbon Management Plan which identified the Constabulary's carbon footprint. A target objective was set to reduce carbon emissions by 30% by 2020.

Cheshire Constabulary continue to work with ESOS Energy who monitor and calculate carbon emissions for the force. The findings of which are summarised in the table below.

The baseline was reset by the government to 2017 levels and by 2021 the constabulary had achieved a 28% reduction in tCO₂e emissions.

Unfortunately, this falls slightly short of the constabulary's and commissioner's ambition of 30% by 2020, but does show improvement over the last couple of years. The Constabulary are fully committed to further improving the current carbon emissions performance and this is a key consideration in the development of this strategy.

Year	Carbon Emissions (Tonnes CO ₂ e)	Variation %
2008/09	9,778	-
2016/17	11,046	+13%
2017/18	10,603	+8%
2018/19	10,290	+5%
2019/20	7,914	-23%
2020/21	7,637	-28%

CO₂e Performance Measurement

In order to monitor and provide accurate data, Cheshire Constabulary have recently engaged with ESOS Energy in order to provide independent confirmation of consumption data.

ESOS Energy complete an annual carbon emission calculation covering Scope 2 emissions:

- 1) Building energy consumption carbon emissions (gas, electricity, oil etc.)
- 2) Fleet vehicle carbon emissions (petrol, diesel etc.)
- 3) Business travel for the year.

Cheshire Constabulary provide ESOS Energy with the consumption figures on the relevant areas. The accuracy of the calculation relies on collating consumption data for all of the emission sources.

- Gas and electricity, data was provided in kilowatt-hours (kWh) from meter readings or bills.
- Transport emissions and fuel consumption was provided by fuel type and by financial analysis.
- Carbon emissions were calculated using the activity data multiplied by standard emissions factors as set by the Government each year.

Cheshire Constabulary will continue to use these measures as a basis for delivering the objectives laid out within this strategy.

Key Objective No 1:

Provide buildings that are energy efficient

The estates function of Cheshire is a joint Corporate Services providing estates and facilities management to both Cheshire Police and Cheshire Fire and Rescue Services. The table below summarises the carbon emissions for Cheshire Constabulary buildings whilst maintaining operational effectiveness.

Summary of Building Stock 2020/21		
Fuel	kWh ¹	Tonnes CO2e
Natural Gas	13,937,985	2,572
Electricity	9,256,503	2,158
Oil	16,548	4
LPG	1,333	0.3
	TOTAL	4,734*

¹ Data has been normalised for degree days to account for variations in weather between the current year and the baseline year

The 30% target for reduction in emissions by 2020 was a significant challenge and we are only just approaching completion in 2021. We are looking to align with the government's desire to reach a 50% reduction in emissions by 2032

It is fair to say meeting this target by 2032 will be a significant challenge however, by working in close partnership with Local Authorities, Cheshire Fire and Rescue and other key stakeholders we will endeavour to achieve long term efficiency and sustainable programmes of work which will continue to gather momentum and deliver further CO2 savings.

Cheshire Constabulary will deliver this objective by:

- 1.1:** Profiling Energy usage for buildings to ensure that budgets are adequate to meet requirements, including :
 - Exploring co-generation projects and the need to consider self generation on sites
 - Phased introduction of new Carbon Zero buildings into the estate
 - Optimise our Building Management System to better reflect the building operational needs.
 - Consider battery storage for more cost effective use of our Solar PV generation.
- 1.2:** Using the data from installed automatic metering we understand the most inefficient buildings on the estate and we will prioritise remedial actions to reduce emissions.
- 1.3:** Continue with the Carbon Literacy training in the force through the Training teams to create greater understanding of the need to reduce consumption, carbon emissions and promote a culture change of collective responsibility.
- 1.4:** To continue with agile working practices to reduce energy demands on estate
- 1.5:** To work in collaboration with local authorities where district heating schemes are being developed as part of a wider local authority aim.

Key Objective No 2:

Reduce the fuel used by our fleet, cut emissions and costs

The table below summarises the Constabulary vehicle fleet carbon emissions:

	Cheshire Constabulary Fleet Vehicles					Trend	Business Travel
	Fuel	2017/18	2018/19	2019/20	2020/21		2021/22
Litres	Petrol	56,356	52,284	50,392	19,900		173,844
	Diesel	1,235,728	1,133,518	1,065,858	1,047,067		521,531
	Total	1,292,084	1,185,802	1,116,250	1,066,967		695,375
Tonnes CO2e	Petrol	124	114	110	43		49
	Diesel	3,229	2,962	2,718	2,669		141
	Total	3353	3076	2828	2712		190

The challenging target of 35% reduction in emissions across the Police estate reflects the 30% Government published targets from 2009.

Cheshire Constabulary will deliver this objective as follows:

2.1: Deliver specific projects to reduce our use of fuel:

- Install Vehicle Telematics across all Police owned fleet, including initiative linked to driving behaviours and improving the MPGs of vehicles.
- Deliver driver training to include environmental driving techniques where operationally appropriate.
- Lightweight storage options in frontline vehicles will be adopted.
- Minimum kit storage guidance will be provided to all Response Vehicles.

2.2: Analyse vehicle telematics data to understand and reduce the number of unnecessary journeys we make.

2.3: Reduce our dependency on internal combustion engines (ICE)

- Fuel efficiency will be a core consideration in the annual Fleet Replacement and procurement programme.
- Identify opportunities to deploy electric and hybrid vehicles.
- Evaluate the current pilot providing electric vehicles, and develop expansion options.

2.4: Work together across our business with partners in other Police Forces and suppliers to maximise fleet efficiency and establish best practice.

Key Objective No 3:

Reduce business travel mileage

Cheshire Constabulary is a significant employer within the county with over 3,500 staff working across Cheshire. We will continue to influence staff to promote a collective responsibility for reducing carbon emissions and work to reduce business travel mileage.

Cheshire Constabulary will deliver this objective by:

3.1: Set clear expectations where travel isn't appropriate (refer to business travel policy).

3.2: Use technology to reduce unnecessary travel including:

- Roll out of tablets to all frontline officers and promote agile working.
- Encourage and embed virtual meeting protocols including Teams and Skype for business.
- Develop online secure digital evidence portals to minimise requirements for officers to deliver/collect

3.3: Promote initiatives to reduce business travel including:

- Cycle to work scheme.
- Car Share Scheme - reducing single occupancy car journeys.
- Continue with agile/flexible working as experienced throughout the Covid crisis



Key Objective No 4:

Reduce Waste and improve recycling rates

By reducing the waste we produce, recycling more and sending less to landfill we could make a significant impact in improving the Force recycling rates.

Cheshire Constabulary will deliver this objective by:

- 4.1: Exploring relationships with Cheshire based charities and third party organisations to reuse/recycle materials from waste and meet the requirements of the Waste Hierarchy.
- 4.2: Maintain our delivery of a 98% diversion from landfill by working with the right partners.
- 4.3: Ensuring that all waste contractors are correctly licensed and meet the Duty of Care Regulations in respect of managing the Constabulary waste streams.
- 4.4: Continue reporting to measure the waste profile of each location and their recycling and compliance performance to the constabulary waste process.
- 4.5: Raise awareness and provide effective communications to staff to change behaviour and improve recycling.
 - Promote additional paperless working practices including electronic archive process.



Key Objective No 5:

Use purchasing power to drive environmental and social benefits

Cheshire Constabulary will enhance our approach to sustainable procurement ensuring relevant risks and opportunities are fully understood.

Cheshire Constabulary will deliver this objective by:

- 5.1:** Embed the requirement to consider environmental, sustainability and social value within the Force Ethical Procurement Strategy.
- 5.2:** Set clear expectations with our suppliers and contractors to continuously work to improve environmental standards in the supply chain. Examples of this would be suppliers who work with organisations and accreditations such as, but not limited to:
- Environmental Standards - ISO 14001, EMAS Management System.
 - Good Agricultural standards - GlobalGAP.
 - Consumer facing standards - Fairtrade, Rainforest Alliance, FSC, Tea Sourcing Partnership (TSP).
 - Organic – Soil Association.
 - Management of World Forests – FSC, PEFC.
 - Improving Global Supply Chains – SEDEX.
- 5.3:** Use Environmental and Sustainability credentials as one of the final deciding factors when engaging new partners and contracts.

Key ambitions of this strategy

Cheshire Constabulary will strive to meet and surpass if possible the stated government targets of 50% reduction in emissions by 2032 and a net carbon zero target by 2050.

The targets Cheshire constabulary will be focussed on are

- **50% reduction in emissions by 2030**
- **Carbon neutral by 2040**

Key Milestones and Measures

Progress on the reduction of emissions will be regularly monitored at the forces quarterly review meetings and more frequently through the Police Estates and Facilities - Estates Operations Management Group meetings.

There will also be annual reporting from ESOS energy or similar providing a progress statement against which actions can be targeted and assessed.

A detailed review of progress toward the 50% emissions target by 2030 will be undertaken in 2025. This will include monitoring actual progress against target and agreeing actions to continue progress, address under performance, and to review appropriateness of target deadlines.

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