

# Report of the Strategic Director, Place, to the meeting of Regeneration and Environment Overview and Scrutiny Committee to be held on 15<sup>th</sup> November 2022

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Subject:

**Climate & Environment Update** 

# **Summary statement:**

This report provides an update on key environmental programme delivery since the Council declared a Climate Emergency in 2019

# **EQUALITY & DIVERSITY:**

This report provides an overview of projects and programmes that are being developed or delivered and the schemes will each undertake equality and diversity impact assessments where appropriate. Harmful emissions that impact on air quality and climate change are known to affect our most deprived communities disproportionately.

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Portfolio:

Leader, Climate & Regeneration Overview & Scrutiny Area:

**Regeneration & Environment** 

## 1. SUMMARY

The Council declared a Climate Emergency in 2019 and laid out five flagship projects:

- Expanding the network of electric vehicle charging points and numbers of EV vehicles
- Delivering a district heat network, with the potential for saving on Council and partner heating costs
- Embracing the opportunities offered by hydrogen
- Increasing renewable energy and electricity generation on the Council estate.
- Reducing the energy used for street lighting

This report provides an update on delivering the flagship projects and also other significant climate and environmental developments since the declaration, including, Domestic Energy Efficiency Scheme, delivery of key sustainability projects in the District, and how this links to proposals for distributing WYCA £40-50m gain share funding, in line with the West Yorkshire Climate & Environment Plan.

# 2. BACKGROUND

- 2.1 The Council declared a Climate Emergency in 2019 at the same time that the Council was directed by the Government to achieve compliance with legal limits for air quality in the shortest possible timeframe
- 2.2 The declaration highlighted five flag ship projects which are currently under development or in delivery that the Council has progressed during the Covid pandemic, including:
  - Expanding the network of electric vehicle charging points and numbers of EV vehicles
  - Delivering a district heat network, with the potential for saving on Council and partner heating costs
  - Embracing the opportunities offered by hydrogen
  - Increasing renewable energy and electricity generation on the Council estate.
  - Reducing the energy used for street lighting
- 2.3 The Council has almost halved its CO2e emissions between 2014/15 and 2021/22 from 42,000 tonnes to 22,000 tonnes <u>Bradford Council's greenhouse gas emissions have halved over seven years | Bradford Council</u>. 100% of Council electricity supply is from renewable sources.
- 2.4 The Bradford Clean Air Zone (CAZ) was successfully launched on the 26<sup>th</sup> September 2022. Any income from the CAZ is ring fenced for defrayment on projects and programmes that align with the objectives of the CAZ, including:
  - Achieving compliance with legal limits for air quality in the shortest possible timeframe

- Reducing greenhouse gas emissions
- Improving the health of Bradford residents
- Accelerating the uptake of cleaner fuels and technologies in line with our Clean Growth agenda

The Bradford Clean Air Plan (CAP) is predicted to reduce greenhouse gas emissions by 150,000 tonnes. The CAP was awarded the Climate Response Award by the LGC in 2021 and was shortlisted again in 2022



2.5 The Government has set a target of achieving net zero by 2050, meaning emissions of CO2e (carbon dioxide equivalent emissions including methane and nitrous oxide etc) and mitigation measures to off-set such emissions will equate to zero by 2050. There is still debate as to whether this commitment will be sufficient to avoid irreversible climate change.

The West Yorkshire Mayor and Authorities are committed to achieving net zero by 2038 with an accelerated, science based approach that seeks to see significant progress by 2030. West Yorkshire Climate and Environment Plan (2021-24) lays out an initial programme of schemes that will be introduced in 2023, supporting net zero ambitions with around £40m of West Yorkshire Gainshare funding.

2.6 It is acknowledged that carbon assessment is improving in terms of methodology and data robustness, however, there are still gaps in knowledge that need to be improved. The Council carries out ongoing assessment of our Corporate Carbon Footprint under methodology developed in line with the Greenhouse Gas (GHG) Protocol that was introduced the Kyoto Protocol. The Council currently assesses and reports on Scope 1 (direct emissions) and Scope 2 (indirect emissions from purchased energy) emissions. As more robust methodology emerges, the Council will follow guidance on reporting on Scope 3 emissions (indirect value chain emissions) which can account for the most significant aspect of CO2e emissions.

WYCA has developed a Carbon Impact Assessment (CIA) Toolkit with Mott MacDonald to assess major schemes and, while acknowledging that there are improvements in data and methodology to be made, the toolkit will be used going forward to inform the development of key schemes.

The Council has a strong track record of using damage cost calculations to assess air quality impacts, including the transport impacts of major planning applications since 2013, and included CO2e damage cost assessments in the Clean Air Plan,

approved by Treasury.

As data and methodologies for GHG assessments improve it will become important to look at carbon budgeting going forward to evaluate progress towards meeting WY and national targets.

- 2.7 In addition to flagship project development, the Council is continually developing and delivering sustainable transport and environmental schemes with current key schemes included in this report
- 2.8 The Council is currently restructuring resource to increase capacity to address climate change and environmental issues over the coming years.

## 3. REPORT ISSUES

3.1 The report highlights progress on delivering the flagship projects that were included in the Climate Emergency declaration, progress on development and delivery of WY Climate and Environment Plan gainshare programmes, Domestic Energy Efficiency Scheme and key sustainable transport and environmental projects.

# 3.2 EXPANDING THE ELECTRIC VEHICLE CHARGING NETWORK AND INCREASING THE NUMBER OF ELECTRIC VEHICLES

The Council has rolled out 82 charging points (rapid and fast) since the Climate Emergency declaration providing charging spaces for 159 vehicles. A list of the charging locations can be found in appendix 1.

The electric vehicle charging market is rapidly evolving and the Council is continually looking at best value in our approach to supporting and accelerating the growth in EV infrastructure

While there are now over 2,000 electric vehicles registered in the Bradford District it is believed that this is a significant under estimate of the number of EVs operating in the District. This is



due to the number of electric vehicles being leased in the UK, with many such vehicles registered to company headquarters and may not be operated in the same locations as the headquarters or leasing company bases.

The Council needs to consider the opportunities and barriers for our communities to access EV charging infrastructure and support to move to zero emission transport.

The Council has introduced 27 electric vehicles into the fleet including the refuse collection vehicle (RCV) pictured below. The Council will be implementing an accelerated plan for ev fleet procurement in line with infrastructure roll-out

The Council is developing an EV leasing scheme as a staff benefit



Proposed Building Regulations require existing and proposed developments to integrate electric vehicle charging levels.

Progress in expanding the electric vehicle charging network in the District is discussed below

# 3.21 Neighbourhood Charge Points

The Council has been awarded £330,850 from the Government On-Street Residential Charge Point Scheme. The grant covers 75% of the funding the other 25% was funded via Community Infrastructure Levy. The project will enable 38 neighbourhood charge points to be installed across 14 council car park locations allowing up to 75 vehicles to be plugged in.

These new charge points will be in residential areas where there is limited off-street parking, such as areas with terraced houses, cottages and flats, where there are no driveways to install private charge points.

The locations are on council-owned land used for parking – either car parks or laybys – which are accessible 24 hours per day.

The neighbourhood charge points have recently been installed but yet to be commissioned but the aim is for them to be operational before the end of this year however, this is reliant on Npower and Northern Power Grid.

# 3.22 Fleet Charge Points

The Council is developing proposals which would commit £300,000 to enable charging infrastructure to be installed at our sites to enable our fleet vehicles below 3.5 tonnes (cars & small vans) to be replaced with electric vehicles, ensure our vehicles are CAZ compliant and meet the Climate Emergency objectives.

So far in 2022, 9 additional charge points (15 sockets) have been installed at council depots and offices to support the conversion of our fleet to EV. In total

there are currently 16 charge points / 27 sockets available to support the council fleet, with more planned.

# 3.23 Local Electric Vehicle Infrastructure (LEVI) Bid

WYCA and the 5 district councils applied for £1.5m of grant funding from LEVI pilot funding, which looked to leverage between £1.5m and £4.5m of private investment to deliver 150 - 520 charge points. Unfortunately, this bid was unsuccessful.

The main LEVI funds are due to be released in 2023 and in anticipation of this WYCA are developing a West Yorkshire EV Strategy and also setting up a procurement framework of charge point suppliers so if and when funding becomes is available in the district there will be a quick route to facilitate projects.

The aim to lever in funds to support charging points using an innovative delivery approach to ensure the optimum charging opportunities are secured for West Yorkshire residents.

WYCA and the West Yorkshire Authorities have commissioned an EV infrastructure Study – this report details potential locations and types of infrastructure required across West Yorkshire and will help plan future charging infrastructure.

# 3.24 Planning Requirements

The Council was the first authority in the UK to require electric charge points as part of new development proposals. From 2013, the Council has secured over 8,000 charge points on new developments and has developed West Yorkshire wide guidance, as part of the West Yorkshire Low Emission Strategy (WYLES)

Recent developments, including Wyke Sports Village and Oakworth Crematorium have had charge points installed both of which are new builds and were the result of planning requirements. All new council building projects will have charge point incorporated into the building design as part of the planning conditions.

The council has a WYLES technical planning guidance in place this is currently being reviewed and updated but ensures all planning applications across the district incorporated air quality measure of which one in the provision of electric vehicle charging points.

## 3.25 EV Car Club

Enterprise car club operate across West Yorkshire and the new contract will aim to increase in proportion of EVs operating on the car club fleet.

# 3.26 Private Sector Developments

The Council is being approached by organisations seeking to work with the Council to deliver electric vehicle charging infrastructure in the District

## 3.3 DELIVERING A DISTRICT HEAT NETWORK

3.31 The Council has considered connecting to a district heat network (DHN) as the lowest possible reduction in CO2e for heating our buildings and, to this extent, entered into the procurement of land at Reyhill Grove for the development of a combined heat and power plant.

Government funding for DHN has now excluded local authorities and is targeted at the private sector. The Council has identified a district heat network as providing greatest potential for greenhouse gas and air pollutant emission reduction, particularly if provided through new technologies such as air source heat pumps. DHN also offer the opportunity for up to 40% cost reduction in energy costs.

3.32 The Council has submitted an application to the Government **Public Sector Decarbonisation Scheme (PSDS)** for funding to transition 6 key Council buildings to operate on a DHN. The total cost is £10,849,798.08 including allowance for 8% contingency, maximum grant contribution £9,378,720 based on these figures Bradford's maximum contribution is £1,471,078.08.

The application covers multiple years of adaptation leading to potential connection to a DHN in 2025. The Council is to commence a procurement exercise to secure future, low carbon energy for Council buildings that will also benefit air quality.

# The Council buildings included in the PSDS application are shown in the table below:

Site	Gross Internal Heated Area (m²)	Existing Annual Fossil Fuel Use (kWh/annum)	Existing Annual Electricity Use (kWh/annum)
Margaret	10,075	494,420	447,275
McMillan Tower			
Sir Henry	4,733	610,424	201,982
Mitchell House			
Alhambra	7,531	1,392,903	725,005
Theatre			
Britannia House	14,677	980,016	1,781,204
& Argus			
Chambers			
St George's Hall	3,999	714,347	224,240
City Hall	16,416	2,112,578	582,377

# The breakdown in costs (%costs) are shown in the table below:

Design and engineering costs (£)	£629,251.70	6%
Main equipment capital costs (£)	£1,577,401.00	15%
Installation and commissioning costs (£)	£5,102,423.00	47%

Project delivery costs (£) incl. external management costs	£753,526.19	7%
Contingency costs (£)	£827,035.31	8%
Other project costs (£) incl. enabling/ancillary works	£151,861.20	1%
Can the organisation reclaim VAT?	Yes	
VAT (£) Only if non-reclaimable	£1,808,299.68	17%
Total projects costs (Step 4)	£10,849,798.08	100%

Single-year or	Multi		
Multi-year			
Year 1	£4,162,052		44%
Year 2	£5,216,668		56%
<b>Total Grant</b>	£9,378,720		100%
Requested (Step 4)			

3.33 The Council will be carrying out a procurement exercise for the supply of lowest GHG energy.

# 3.4 HyBRADFORD

- 3.41 The Council is working with Northern Gas Network and the Bamford Group (Wright Bus, Hygen and Ryze) to develop a scalable hydrogen production facility at the old Gas Works on Bowling Back Lane, Bradford. The gas works site is being decommissioned this year.
- 3.42 The facility, which is planned to be operational by early 2025, will produce 5-10MW of renewable H2 initially and be capable of scaling to 30MW then 50MW of production. The facility will include a H2 refuelling station and potentially, rapid EV charged supported by solar photovoltaics. The facility will also allow for the tankered transport of H2 from the site to other locations and can include a dedicated pipeline to key organisations within a 1km radius.



Artist impression of the HyBradford Facility, Bowling Back Lane

It is envisaged that the facility will allow for the blending of hydrogen into the natural gas supply and the site is adjacent to the main gas pipes in Bradford. The blending of hydrogen with biomethane, produced through anaerobic digestion is also possible.

The site will include a H<sub>z</sub> Skills and Training Centre with support shown from the University, Bradford College and WYCA.

3.43 The Bamford Group and NGN submitted an application for £6.8m into the BEIS Net Zero Hydrogen Fund on the 12<sup>th</sup> October7th for Strand 3 funding to generate hydrogen. BEIS funding will equate to 20% of project funding with the remaining funding provided by the private sector. The application included letters of support from the Council, First Bus, Solenis, Bradford University and Bradford College

## **Application submitted**

Your application with reference "HyBradford" has been successfully submitted

First Bus, whose Bradford Depot is situated a short distance from the proposed facility have expressed their desire to convert their depot to operate on H2 and run H2 bus services in the Bradford District and to locations with hilly terrain that are unsuitable for electric buses such as Calderdale. DfT is expected to make an announcement that Zero Emission Bus Funding (ZEBRA) will be made available for the procurement of zero emission buses, including hydrogen.



The Council's intends to support the upgrade of vehicles and the adaptation of

business to use H2 in line with Subsidy Control requirements. The Council also wishes to support the transition of Council Fleet vehicles to H2 and also the potential for the subsidised provision of hydrogen taxis for the 2025 City of Culture.

# 3.5 INCREASING RENEWABLE ENERGY AND ELECTRICITY GENERATION ON THE COUNCIL ESTATE

3.51 The Council Waste Recycling Facility (WRF) at Bowling Back Lane has around 4 acres of space at the back of the site that could be used for energy generation, including the anaerobic digestion of municipal organic waste and photovoltaic solar provision. Complementing the potential HyBradford project on the adjacent gas works site, the WRF site transition could enable the development of an Energy Quarter on Bowling Back Lane, providing locally produced renewable fuels, enhancing fuel security in the District.



**Bowling Back Lane Waste Recycling Facility** 

The Council collects green waste and may be required under the Environment Act to also collect food waste. The WRF is adjacent to the high pressure gas network for Bradford and an anaerobic digester could be introduced to treat organic waste, producing biomethane that is 84% lower in CO2e emissions than diesel and can be injected into the gas grid and traded through Renewable Transport Fuel Obligation (RTFO) Certificates for transport use. RTFO Certificates currently trade near the maximum 50p per kg and municipal waste qualifies for double certificates.

3.52 The Council is currently developing proposals which would committed £5m to deliver a 5 acres solar parc at Odsal Top and will seek to assist further solar parcs to reduce to the cost of electricity supply for local applications

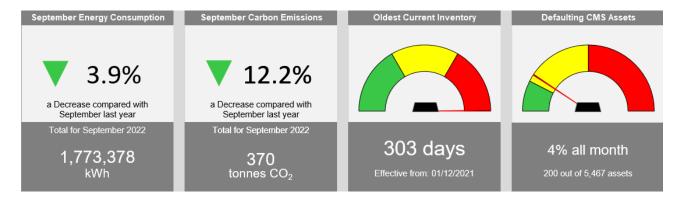
The Council is liaising with energy providers who would like to provide rooftop PV to commercial premises to reduce energy costs and increase renewable, local electricity supply

## 3.6 REDUCING THE ENERGY USED FOR STREET LIGHTING

The Council is delivering a programme to transition the 60,000 street lights in the District to LED by 2024, providing energy and cost savings.

The project commenced construction in April 2021 with completion likely to be late 2024. To date the Council has transitioned 19,756 street lights to energy efficient LED units controlled by a Central Management System providing complete control of the lighting via a web portal.

Although the lights have been replaced, the full extent of the savings are not yet available due to the complexity of the inventory updates, which have now been updated to April 2022. What the Inventory Report graphs below demonstrate is the reduction in consumption and CO<sup>2</sup> emissions on the data up to December 2021 as this was the last inventory update submitted.



The first image shows the load reduction comparing September 2021 to September 2022, although 19,756 assets have been changed the inventory that has been updated is on works completed between April and Dec 2021 i.e. 5467 assets.

The second image shows the reduction in CO<sup>2</sup> emissions due to the assets changed, again on works completed between April and Dec 2021 i.e. 5,467 assets.

The third image shows the number of days since the last inventory update – at the time this graphic was produced Dec 2021 works were updated. In the last month the inventory files from Dec 2021 to April 2022 have been submitted which will be reflected in the next Inventory Report.

The fourth image shows the number of CMS assets not providing data 200 from the total of 5,467 that are commissioned.

It is intended to have the inventory up to date by the end of this calendar year so that a true reflection of the savings can be provided on a monthly basis which will also ensure that the re-billing of the energy account which is backdated 13 months will have been completed to ensure that the financial savings for energy are reconciled.

## 3.7 WEST YORKSHIRE CLIMATE CHANGE & ENVIRONMENT PLAN - 2024

WY Climate and Environment Plan, strategic outline case (SOC) sets out how Wave 1 actions will be delivered using gain share allocation of £40m to £50m received in Feb 2022 and to be delivered in Spring to Summer 2023 alongside the Wave 2 programme

## Wave 1 actions:

- Better Homes Yorkshire Hub
- Solar PV and Storage
- Flood Risk and Drainage
- Business sustainability package
- Better Neighbourhoods
- Green Skills and Training
- · Communications, engagement and marketing

Wave 1 programme is laid out in table 1

# Wave 2 actions:

- Local Area Energy Planning
- Community Energy
- Heat Decarbonisation
- Shared Mobility
- Green Infrastructure and access for health / Regenerative Nature Recovery Schemes

The diagram below shows how wave 1 works alongside wave 2 development;

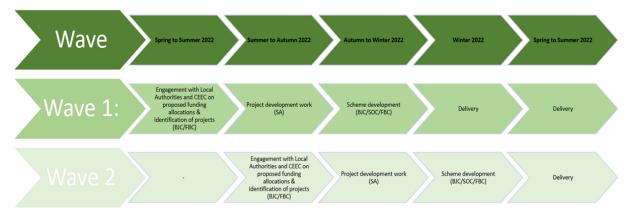


Table 1 - Wave 1 Gain share Programme

Option	Description	Cost Range (£)
Better Homes Hub	This programme will enable the upscaling of domestic energy efficient retrofits for households across West Yorkshire. It will tackle fuel poverty, reduce carbon emissions from housing and ensure homes are fit for the future. The programme will establish a core hub team and provide a package of support for landlords and home-owners looking to facilitate demand for retrofit, build confidence in the supply chain / build enabling capacity with	£11,433,353 - £12,326,337

partners and demonstrate our ambitions to the private sector. Interventions in this programme include a one-stop-shop for households (tailored support for residents and landlords) along with financial support through small grants and loans. This will be supported by a campaign to raise awareness and promote the benefit of retrofit and demonstrator projects to show the benefits of a high-impact local approach. The hub will also provide programme and project management for our SHDF Wave 2 bid, should it be successful. Key activities include: Establishing a hub team with support of dedicated LA officers. Funding for area based demonstrators Support services for social landlords A one-stop-shop service for homeowners A loan pilot scheme for residents to borrow additional funds to install energy saving measures This programme looks to establish a grassroots £6,592,427 Neighbourhoods community grants funding programme helping to £6,690,427 support net zero activity across buildings, energy, nature and climate resilience. The programme will inspire behaviour change and educate at the community level whilst contributing to improved community assets and improved sense of place. This project is comprised of various packages which look to provide grants of up to £50,000 to community organisations and will also look to fund feasibility studies for the White Rose Forest. Key activities include: Establishing a core team Grants for community organisations Consultation with neighbourhoods facilitated by community roadshows and outreach activities. Targeted bid support Feasibility studies for White Rose Forest. The business sustainability package aims to £6,675,000 provide a simplified, consistent, and impartial Sustainability source of support to small and medium sized £11,696,934 businesses (SMEs) within West Yorkshire to plan for net zero and become climate ready. The ambition is to provide a flexible, universal offer to

> businesses to help to address the 50% of carbon emissions generated by small businesses, with tailored support based on the continuous principles of: measure carbon impacts and climate readiness;

Better

**Business** 

	plan improvements in a considered manner; and act on these plans to reduce environmental impact and become more resilient to climate breakdown. This programme also includes a voucher scheme to assist businesses with immediate support to respond to rising energy costs.	
	Key activities include	
	<ul> <li>Flexible, expanded business support service based on measure-plan-act principles</li> </ul>	
	Flood Management Schemes	
Communications, Engagement and Marketing	A multi-channel behaviour change campaign to encourage people and businesses to lower their own carbon emissions and make positive changes. Development of digital tools to help people and businesses identify sources of support from the CA/LEP and partners, communications and Marketing support for all projects within wave 1 and targeted Communications and Marketing support for local authority schemes which align to the Climate and Environment Plan. Market research exercise to gauge perceptions and attitudes on the climate emergency throughout West Yorkshire which would be repeated in 2024 to measure impact.  Key activities include	£1,330,165
	Communications campaign – supporting	
	CEP Wave 1  • Market research exercise	
	Behaviour change	
	• Beliaviour change	
Flooding and Drainage	A programme of natural flood management schemes across to be delivered by a range of partners as part of a catchment level approach to flood risk management. The Programme will deliver outputs in terms of flood protection, carbon sequestration and biodiversity benefits. Within this action, the West Yorkshire Flood Innovation Programme (FLIP) will support flood risk management feasibility studies and capacity building through collaboration and shared leaning.	£6,552,281 £310,000 (UK SPF)
	Key activities include	
	<ul> <li>Delivery of nine Natural Flood Management (NFM) projects across West Yorkshire.</li> </ul>	
	<ul> <li>Revenue support and project development funding for the WY FLIP.</li> </ul>	

Green Skills and Training	Development of a platform supporting individuals to access green jobs and skills. Provision of teaching and learning resource with support KS2 and KS3 networks. Support for individuals, and education and training providers through FE Development Fund to enhance FE curriciulum across colleges and training partners. Business Support Programme to train 200 people, support for key stakeholder groups to create green skills through internships and employment support.  Key activities include:  Platform for green jobs and skills Teaching resources for KS2 and KS3 networks Business support programme	£5,575,000 - £6,165,299
Solar PV and Storage	Support for residents, schools and public sector organisations to integrate solar and battery storage. The Solar PV and Storage programme aims to develop over 11MW of new Solar capacity; saving over 1750 tonnes of CO <sub>2</sub> annually, delivering £37 million in cash releasing benefits over 25 years levering in excess of £13 million in private sector investment.  Key activities include:	£7,898,203
	Investment in the West Yorkshire Housing Partnership scheme to install 1,000 – 2,000 solar and battery systems.	
	<ul> <li>Support 50 x Solar for Schools installations.</li> <li>Launch a Solar Together group-buying scheme for West Yorkshire residents.</li> </ul>	
	<ul> <li>Install 233 kW of solar on eight of the Combined Authority's bus stations.</li> </ul>	
	Establish a funding pot to support feasibility studies and business case development	
	Commission of a study to explore development of a finance offer for businesses to support the uptake of solar PV and storage and a study to explore development of a finance offer for residents to support the uptake of solar PV and storage	

Phase 2 of the Local Area Delivery Green Homes Grant was delivered from August 2021 to March 2022 and saw attic room insulation put into 119 homes, to the value of £1,278,925.

This funding came from the Department for Business, Environment and Industrial Strategy (BEIS) – who awarded £52.67m to the North East, Yorkshire & Humber Energy Hub last year, which was shared between local authorities in the region. The work, which is completely free of charge for residents, involved fully insulating attic space, plastering and redecorating the area, installing trickle vents in the windows for air flow and, if needed, providing mechanical insulation to bathrooms, such as an extractor fan. The scheme has been carried out in partnership with energy experts Better Homes Yorkshire and Eclipse Energy

The project initially focused on homes in Keighley and was later rolled out to other parts of the district. Households had to meet special criteria, including a total income of less than £30k and surveys were carried out to ensure properties were suitable for the work.

The measures will improve the properties' EPC ratings (a measurement of energy efficiency in buildings with A being extremely energy efficient and G being not at all energy efficient) by up to two bands - reducing a household's annual energy bills and, in a lifetime, saving 75.26 tonnes of carbon per property.

## 3.9 KEY SUSTAINABILITY SCHEMES

The following schemes illustrate Council activity in delivering sustainable travel and environmental improvement schemes

# 3.91 LIFE CRITICAL – Horton Park

Promoting and improving the multiple environmental and health benefits of urban green spaces, LIFE CRITICAL (<u>Climate Resilience Through Involvement of Local citizens</u>) aims to provide resilience to climate change for local neighbourhoods.

Life CRITICAL is engaging communities, raising awareness of healthy lifestyles and showing how Horton Park can provide environmental improvements that address challenges such as air pollution, urban heat island effects and localised surface water flooding.

The sensor network needed to create a baseline assessment of the environmental conditions in and around the park is up and running (in collaboration with the University of Bradford). Investigations of the existing watercourses around Horton Park has taken place. Capacity building of local community groups has begun (in collaboration with Bradford Institute for Health Research, ActEarly Research Hub). The project next moves into the co-design of the interventions in the park.

The LIFE Programme is the EU's funding instrument for the environment and climate action.

# 3.92 Naturalising Bradford Beck

This project will open up the Bradford Beck and create a beautiful park everyone can enjoy. It will also deliver a safe home for nature, improve air quality and reduce the risk of flooding in the local area. Part of the project will remove a concrete box culvert from a section of Bradford Beck located between Poplar Road and Briggate in an area locally known as Shipley Fields.

The Naturalising Bradford Beck Scheme is part of the proposed Bradford Shipley Route Improvement Scheme which is designed to improve the roads between the city and town, but is also funded from the European Structural & Investment Funds Growth Programme.

The project is in detailed design and expected to begin construction work in January 2023, with BAM Construct appointed through an Environment Agency framework. The project was inspired by work delivered in the North Sea Region BEGIN project (Blue green infrastructure through social innovation).

# 3.93 Top of Town Public Realm Improvements

An extensive public realm improvement scheme within the 'Top of Town' neighbourhood of Bradford City Centre, currently on site with Eric Wright Civil Engineering and due for completion in Spring 2023.

The project makes blue green infrastructure improvements to increase biodiversity and reduce flood risk, whilst improving the visual amenity of the streetscape.

The project will create a high quality environment that enriches the character of the Conservation Area, providing a vibrant, safe and attractive place where people will want to live, work and socialise; and businesses will want to trade, invest and grow.

This project is funded from the Bradford City Centre Townscape Heritage Scheme (supported by the National Lottery Heritage Fund) as well as the European Structural & Investment Funds Growth Programme.

A further phase of work is planned to connect the public realm improvements at ongoing at North Parade to the pedestrianised section of Darley Street adjacent to the new Darley Street Market project. This will be achieved using funding secured to promote Active Travel.

The quality of sustainable public realm improvements being delivered will help set a benchmark for the wider City Village regeneration proposals.

# 3.94 West Bradford Corridor Improvement Programme

This scheme is aimed at improving traffic flow and environmental quality at three junctions on the Outer Ring Road in West Bradford. The scheme's

wider social benefits include a more attractive environment for the local community, with reduced congestion leading to improved air quality and connectivity to employment and housing.

The junctions concerned include:

- a new link road between the Horton Park Avenue / Cecil Avenue junction and the All Saints Road / Dirkhill Road junction, as well as improvements to the Great Horton Road / Horton Grange Road junction. The schemes will include improved pedestrian crossings, extensive tree planting and the installation of SUDs.
- Junction and environmental improvements on the A6177 Whetley Lane / Toller Lane junction in Girlington. This will include improved pedestrian crossings and the enhancement of green space.
- Road widening and the construction of a cycle lane at the A6177
   Thornton Road / Cemetery Road junction. This will include improved pedestrian crossings and the enhancement of green space.

Works are due to start this autumn at the Great Horton Road/ Horton Grange junction with the other schemes to follow in 2023/4.

# 3.95 Shipley and Keighley Towns Fund

Landscape Design & Conservation, with colleagues in Active Travel and Highways proposed public realm improvements be included in the Towns Fund programme. With the approval of the Towns Fund Business Cases, this work can now progress to detailed design and delivery.

In Shipley, the scope of the existing Streets for People project will be widened to encompass the whole of the market square with public realm improvements that will improve air quality and safety, reduce speeds limits and improve accessibility with public transport accessibility, provides measures to support walking and cycling, and will provide greener streets and more pleasant places to stop, spend time and relax. The project will physically enhance the town's sense of identity, pride, well-being and create an exemplary and attractive focal point to the town.

Active travel routes and facilities linking communities to Shipley and the Saltaire World Heritage Site will also benefit from Towns Fund support. In Keighley, the final phase of Low Street public realm improvements will be completed, but a Connectivity Study will be produced to inform further town centre improvements.

## 3.10 MARKETING & COMMUNICATIONS

Dedicated, in-house capacity for clean emission communications and marketing is in place

#### 4. FINANCIAL & RESOURCE APPRAISAL

The report covers schemes which are at different stages in terms of delivery. A

number are at proposal stage and the remaining schemes are being actively delivered.

Schemes that are at proposal stage will be considered when funding from external partners/ Government is established.

If the initiatives are capital in nature, further approval will be required through PAG. The objectives of the project in terms of outcomes, products and deliverables would be required in addition to demonstrating value for money. Revenue implications will also be assessed at the same time.

This report provides an overview of schemes that are being developed and will require further approval when business cases are received.

# 5. RISK MANAGEMENT AND GOVERNANCE ISSUES

The Clean Air Programme Board will continue to assume a wider brief of key schemes, providing oversight, governance and reporting to the Cabinet Management Team (CMT), Council Executive and Scrutiny Committee, in liaison with Portfolio Holders

The CAP Board maintains a RAID log for scheme delivery which will be updated to reflect the increase in project development

## 6. LEGAL APPRAISAL

The report provides an overview of projects and schemes in development or in delivery phase. All schemes are developed and delivered in line with legal requirements

The report refers to the Climate Change Act 2008 and regulations under that Act. The Act establishes a legal framework that underpins the UK's commitment to tackling climate change, including reducing CO2 emissions and addressing climate risks. The provisions of the Act apply at central government level, at least at the moment.

Local authorities can use their own powers to take action, such as the wide general power of competence under Section 1 of the Localism Act 2011 which allows local authorities to do anything that individuals generally may do. The existence of the general power is not limited by the existence of any other power of the Council which (to any extent) overlaps the general power.

The report is an update and refers to the current and forthcoming actions which will contribute to the delivery of the Plan. Officers will also need to have due regard to procurement legislation and the Council's Constitution in relation to information on specific goods or services', and also take into consideration the specific local authority powers which are relevant to those actions.

The matters considered in this report are not key decisions. The implementation of various matters referred to in this report may be key decisions and if so will be addressed through the appropriate mechanisms when those decisions arise.

# 7. OTHER IMPLICATIONS

## 7.1 SUSTAINABILITY IMPLICATIONS

The report outlines significant progress in delivering the Council's sustainable, Clean Growth agenda

# 7.2 GREENHOUSE GAS EMISSIONS IMPACTS

Greenhouse gas emission impacts are provided in the report where quantified

#### 7.3 COMMUNITY SAFETY IMPLICATIONS

Council activity to improve the environment will benefit the safety of our communities

## 7.4 HUMAN RIGHTS ACT

It is a human right to a clean, healthy and sustainable environment

#### 7.5 TRADE UNION

None identified

# 7.6 WARD IMPLICATIONS

All Wards

The HyBradford Project is proposed to be sited in the Bowling and Barkerend Ward with potential benefits for all Wards

# 7.7 AREA COMMITTEE ACTION PLAN IMPLICATIONS (for reports to Area Committees only)

N/A

# 7.8 IMPLICATIONS FOR CHILDREN AND YOUNG PEOPLE

Born in Bradford provides world class research into the impacts of harmful emissions on our children and young people. Born in Bradford has received £1.1m NIHR funding to carry out the HIA of the CAZ that has been described by the Government as a project of national significance.

# 7.9 ISSUES ARISING FROM PRIVACY IMPACT ASSESMENT

N/A

#### 8. NOT FOR PUBLICATION DOCUMENTS

# > N/A

# 9. OPTIONS

Not applicable

# 10. RECOMMENDATIONS

The Committee notes the progress made on delivering a sustainable, clean growth District

# 11. APPENDICES

Appendix 1 – Existing provision of electric vehicle charging points provided by the Council

Locations	Type	Network	No. units	No Bays (max vehicle usage)	Usage
Vicar Lane Car Park, Bradford, BD1 5AH	Rapid 50kW	Genie Point	1	2	Public
Burnett Street Car Park, Little Germany, BD1 4AU	Rapid 50kW	Genie Point	1	2	Public
Rawson Road Car Park, Bradford, West Yorkshire, BD1 3RA	Rapid 50kW	Genie Point	1	2	Public
Orange Street Car Park, Off Leeds Rd, BD3 8EY	Rapid 50kW	Genie Point	1	2	Public
Wibsey Fairground Car Park, Tennyson Road, Wibsey, BD6 1TG	Rapid 50kW	Genie Point	1	2	Public
Manningham Sports Centre, Carlisle Road, Bradford, BD8 8BA	Rapid 50kW	Genie Point	1	2	Public
Victor Street Car Park, Manningham, BD9 4RB	Rapid 50kW	Genie Point	1	2	Public
The Green Car Park, Idle, BD10 9PT	Rapid 50kW	Genie Point	1	2	Public
Wellington Street Car Park, Bingley, BD16 2NA	Rapid 50kW	Genie Point	1	2	Public
Saville Car Park, Crowgill Road, Shipley, BD18 3SX	Rapid 50kW	Genie Point	1	2	Public
Exhibition Road Car Park, Saltaire, BD18 8JW	Rapid 50kW	Genie Point	1	2	Public
Bridge Street Car Park, Bridge Street, Silsden, BD20 9PA	Rapid 50kW	Genie Point	1	2	Public

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Church Green Car Park, Market Street, Keighley, BD21 5AD	Rapid 50kW	Genie Point	1	2	Public
Keighley Leisure Centre, Hard Ings Road, Keighley, BD21 3JN	Rapid 50kW	Genie Point	1	2	Public
Museum Car Park, West Lane,	Rapid	Genie	1	2	Public
Haworth, BD22 8DU	50kW	Point			
Hawksworth Street Car Park,	Rapid	Genie	1	2	Public
Ilkley, LS29 9DX	50kW	Point			D 11
Ilkley Lido, Denton Road, Ilkley, LS29 0BZ	Rapid 50kW	Genie Point	1	2	Public
Sedburgh Sports Centre,	Rapid	Genie	1	2	Public
Cleckheaton Road, Low Moor, BD12 0HQ	50kW	Point			
Sedburgh Sports Centre,	Fast	Genie	1	2	Public
Cleckheaton Road, Low Moor, BD12 0HQ	7kW	Point			
Crown Court Car Park, Bradford	Rapid	EB-GO! *	1	2	Public
BD1 1JA	50kW				
Scott Street Car Park, Scott Street, Keighley BD21 3AB	Fast 7kW	EB-GO! *	1	2	Public
Ian Clough Hall Car Park, Hall	Fast	polar	1	2	Public
Cliffe, Baildon BD17 6ND	7kW	polai	•	_	I dbiio
Valley View Court, Scatcherd	Fast	EB-GO! *	2	3	Public
Drive, Oakworth BD22 7NU	7kW				/ Fleet
Oakworth Crematorium, Wide	Fast	EB-GO!	1	2	Public
Lane, Oakworth BD22 0RJ	7kW	ED 001	0		D. I.I.
Wyke Sports Village, Wyke, Bradford BD12 9JP	Fast 7kW	EB-GO!	3	6	Public
Bolton Road Car Park,	Fast	EB-GO!	2	3	Public
Addingham LS29 0NR	7kW				
Bute Street parking bays, Bolton Woods BD2 1DH	Fast 7kW	EB-GO!	2	4	Public
Library Car Park, Cowgill Street,	Fast	EB-GO!	3	6	Public
Manningham BD8 7NS	7kW	ED 001			Dulelia
Eccleshill Rec Car Park, Mount Avenue, Eccleshill BD2 2HY	Fast 7kW	EB-GO!	3	6	Public
Gas Street Car Park, Haworth	Fast	EB-GO!	3	6	Public
BD22 8NQ	7kW				
Jenny Lane Car Park, Jenny	Fast	EB-GO!	3	6	Public
Lane, Baildon BD17 6RS	7kW	ED COL	2		Dublic
Killinghall Car Park, Killinghall Road, Bradford BD2 4SJ	Fast 7kW	EB-GO!	3	6	Public
Mill Lane layby, Mill Lane,	Fast	EB-GO!	3	6	Public
Steeton BD20 6NS	7kW		<u> </u>		
Northcliffe Park layby, Cliffe	Fast	EB-GO!	3	6	Public
Gardens, Shipley BD18 3DB	7kW	ED 001			   D   !!!
St Paul's Car Park, St Pauls	Fast 7kW	EB-GO!	3	6	Public
Road, Shipley BD18 3ER Victoria Street Car Park, Victoria	Fast	EB-GO!	3	6	Public
Street, Bingley BD16 2NH	7kW				I dollo
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Wesley Place Car Park, Wesley Place, Silsden BD20 0PH	Fast 7kW	EB-GO!	3	6	Public
Wilsden Royd House Car Park, Main Street, Wilsden BD15 0AS	Fast 7kW	EB-GO!	3	6	Public
Cottingley Car Park, Herbert Street, Cottingley BD16 1SF	Fast 7kW	EB-GO!	1	2	Public
Jacobs Well, 5 Nelson St, Bradford BD1 5AX	Fast 7kW	EB-GO!*	1	2	Fleet / Car Club
Harris St Depot, Bradford BD1 5HU	Fast 7kW	EB-GO!*	1	2	Fleet
Stockbridge Depot Royd Ings Ave, Keighley BD21 4BX	Fast 7kW	EB-GO!*	1	2	Fleet
Wakefield Road Depot Foundry Lane, Bradford, BD4 7NW	Fast 7kW	N/A	1	2	Fleet
Shearbridge Depot Great Horton Rd, Bradford BD7 1PU	Fast 7kW	N/A	2	4	Fleet
Margaret Mcmillan Tower Princes Way BD1 1NN	Fast 7kW	EB-GO!*	1	2	Fleet / Car Club
Cliffe Castle Depot Spring gardens Lane Keighley BD20 6LH	Fast 7kW	EB-GO!*	3	3	Fleet
Peel Park Depot 950 Bolton Rd, Bradford BD2 4BX	Fast 7kW	EB-GO!*	2	4	Fleet
The Paddock Frizinghall, Bradford BD9 4HD	Fast 7kW	EB-GO!*	3	6	Fleet
Thompson Court Morton Lane, Crossflatts, BD16 3EP	Fast 7kW	EB-GO!*	1	2	Fleet
		Total	82	159	