Report of: Head of Decarbonisation

Subject: Well-being Objective Deep Dive/ Self-Assessment: Climate - To achieve a carbon neutral Authority by 2030 and support the Park to achieve carbon neutrality and adapt to the impact of climate change.

Management Team Leads: Head of Decarbonisation. Director of Place and Engagement. Strategic Policy Manager.

Outcomes for Objective:

- PCNPA to be a carbon neutral Authority by 2030.
- PCNPA has supported the Park on its pathway to becoming carbon neutral as near as possible to 2040.
- The National Park is made more resilient to the impacts of climate change by working with partners and supporting work led by the Public Services Board.
- Engagement activities with staff and wider public have led to behaviour change.

Outcomes this report is focusing on: The progress made against the Decarbonisation Delivery Plan.

Operational Review Deep Dive Assessment on Climate 1. Progress Assessment

Delivery Plan	Activities [The things that are being done with these resources]	Inputs [The resources (staff, time, money) being put into an intervention]	Outputs [A count of what has happened as a result of these activities]	Outcomes [The immediate consequences and change.]	Impact [The higher level and longer-term results.]
PCNPA to be a carbon neutral Authority by 2030	Implementation of Carbon Reduction Delivery Plan, informed by Aquaterra (May 2022) Review of depos and centres, looking at potential carbon reduction activities	Within current budget/ staff resource New Decarbonisation Officer post (funded by SLSP).	Decarbonisation Delivery Plan approved. Appointed Decarbonisation Officer. Staff Travel Survey 2023/24 complete and trends analysed and shared.	Recommendations for decarbonisation actions at sites and centres. Home and Hybrid Working Policy, supporting home working where appropriate and supporting reductions in commuting related emissions. Creation of Eco Champion Group across departments Two Carbon Literacy sessions delivered 23/10/2024 15/3/2024 Bespoke Carbon Literacy training package and trainer materials developed, which can be used in the future for internal staff and member training and will be available for all PSB members for use.	When the Authority's removals from land use are factored in, then total emissions for 2023/24 were 29,227 kgCO2e. When emissions are not offset against land removals, the Authority's emissions were 1,311,318 kgCO2e - an increase in emissions of 0.59% compared to 2022/23. There has been a 14.68% decrease compared to 2021/22 due to impact in reductions around supply chain and fleet. However, caution is needed when looking at supply chain emissions and trends, due to methodology being based on spend and commuting and homeworking. Figures should be treated as approximates. Staff engaged with decarbonisation actions. 27 People certified Carbon Literate, including six Authority Members and the CEO. Total emissions from commuting and homeworking have increased by

Delivery Plan	Activities [The things that are being done with these resources]	Inputs [The resources (staff, time, money) being put into an intervention]	Outputs [A count of what has happened as a result of these activities]	Outcomes [The immediate consequences and change.]	Impact [The higher level and longer-term results.]
					13.6% between 2022/23 and 2023/24. Annual Commuting and Homeworking survey indicates a 57% reduction in home working in 2023/24 compared to 2022/23, with the average number of days worked from home per week reduced from 2.09 to 1.33 per FTE. It is important to note that working from home is likely to have greater benefits in terms of carbon reduction for those who travel by car and over longer distances, in comparison with workers who live closer to their place of work and/or travel by public transport or who car share. There is also some evidence that working from home in the summer achieves greater reductions than in winter, depending on the level and type of heating chosen by workers.
	Development of Socially Responsible and Sustainable Procurement strategy and policy. Considering new legislation and decarbonisation ambition.	Cross Authority team looking at strategy and policy.	New policy and strategy document written. Opportunities for improvement identified for improving Supply Chain reporting.	Policy and strategy in development phase, currently under consultation by staff and Members.	

Delivery Plan	Activities [The things that are being done with these resources]	Inputs [The resources (staff, time, money) being put into an intervention]	Outputs [A count of what has happened as a result of these activities]	Outcomes [The immediate consequences and change.]	Impact [The higher level and longer-term results.]
			Procurement workshop delivered to Warden Area Managers 2023.		
	Record and analyse data for Welsh Government (WG) reporting. Where possible improve data from tier 1 and 2 to tier 3 recording and reporting of waste. Identify opportunities for real time recording/analysis. Identify areas across Authority where circular economy principles can be applied	Decarbonisation Officer recruited. Cross Authority collaboration on data collection. Funding received from WG for recycling bins at centres and sites.	Tier 2 waste recording fully implemented at Llanion. Rollout to other sites will follow. Decarbonisation Officer attended Pembrokeshire stakeholder group including PCC, Port of Milford Haven and Bluestone, looking at supply chain, sustainability issues including waste reduction.	Soft Plastics recycling implemented at Llanion. Re-use/recycling strategy for room move surplus/waste staged and underway. Site Managers engaged to design additional waste reduction interventions. Establishment of uniform refurbishment scheme. Uniforms are now returned and cleaned before being redistributed.	Ability to spot trends and make future interventions. Reduction in waste and increase in amount of waste available for recycling. Compliance with new waste and recycling legislation.
	Decarbonisation Plan for PCNPA Fleet .	Funding received for replacing combustion minibus to a fully accessible minibus (funding received from BMW through National Parks	Decarbonisation Plan is currently being consulted on. EV minibus on order which will be fully accessible.	45% of our owned fleet is currently electric Fleet Decarbonisation Phase II intervention delivering ~10% reduction in fleet emissions	Reducing carbon impact of Authority

Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	[The things that are being	[The resources	[A count of what	[The immediate	[The higher level and longer-term
	done with these resources]	(staff, time,	has happened as a	consequences and	results.]
		money) being put	result of these	change.]	
		into an	activities]		
		intervention]	N		
		Partnership and MOD at	Next phase is to	Subject to funding, targeted for execution within	
		Castlemartin	replace pool cars and estates van.	FY2024/25. Rental vehicles	
		Range)	Existing pool cars	also identified for possible	
		9-/	are hybrid.	interventions in Phase III.	
		Additional funding			
		likely to be required			
		to implement next			
		phase in fleet decarbonisation			
		decarbonisation			
		£22,846 included in			
		draft capital			
		programme			
		2024/25 for			
		Fleet (capital			
		receipts/ grants)			
		grants)			
	Buildings energy reduction	Wales Energy	One estate-wide	Priority plan for	Reduction in energy use and
	and renewable opportunities.	Services were	energy assessment	decarbonising buildings	increased production in energy
		commissioned to	complete with	complete.	generated from renewables.
		produce a	prioritised	Development of plans for	
		feasibility study into all buildings. This	opportunity register.	creating solar PV carpark	In 2023/24, the Authority's building
		was a free service		canopies at Llanion and Oriel	emissions were 112,121 kgCO2e, an increase of 3.27% on the 108,575
		funded by WG.		y Parc Car Park.	kgCO2e emissions for 2022/23.
			One study into grid	Small scale greening up	
		Funding for	connection as part of	interventions ongoing	This is attributable to a 25%
		decarbonising the	feasibility of	(subject to funding) such as	decrease in the use of biomass for
		National Park from	installing renewables	· , , , , , , , , , , , , , , , , , , ,	low-carbon space heating in

Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	The things that are being	The resources	[A count of what	[The immediate	The higher level and longer-term
ı iaii	done with these resources	(staff, time,	has happened as a	consequences and	results.]
	done with these resources]	money) being put	result of these	change.]	results.j
		into an	activities]	onungo.j	
		intervention]	aoaviaooj		
		Sustainable	at Cilrhedyn	installing hand dryers and	2023/24, and associated increase in
		Landscapes,	complete.	changing to LED lights.	consumption of more emissive grid
		Sustainable Places			electricity.
		(WG) for solar	Plans for solar PV	Replacement of solar PVs at	
		canopies 2024/25	canopies at two sites	Oriel y Parc (WG funded)	It is notable that total energy
			in NP ownership being developed.	complete.	consumption from all fuels in the period fell. This reflected the global
			being developed.		increase in average outside
					temperatures in 2023 and 2024 and
					associated reduced demand for
					space heating.
					In 2023/24, 5,514 kW of renewable
					energy was produced from the
					Authority's PV panels – a 15.1%
					increase on the 4,789 kW produced
					in 2022/23.
PCNPA	SDF decarbonisation of	Sustainable	6 groups funded	Some examples of projects	Impact within the community
has	communities – through	Landscapes,	SDF grants in	funding and outcomes (from	supporting the resilience of
supported the Park	supporting community decarbonisation projects.	Sustainable Places (WG) funding for	2023/24, total grants awarded £85,292	2023/24 awards).	community projects. Scheme raises general public
on its	decarbonisation projects.	grants to be	awarueu £05,292	Cilrath Acre received £8,920	awareness as well as achieving
pathway		distributed.	2x Install renewable	to purchase and install a full	carbon reduction.
to	Promoted opportunity to		energy generation	access compost toilet and	
becoming	community groups within the		facilities to a	wooden building at their	
carbon	National Park to access	National Parks	community building:	community growing project.	Review of the first three years of the
neutral as	electric charging points	Partnership	Sea Trust Wales -	This zero waste facility helps	revised SDF scheme (2020-2023)
near as possible		Funding	£21,407	reduce dependence on resources whilst improving	impacts:
to 2050.			~~ 1, 7 01	access to an essential facility	

Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	[The things that are being	[The resources	[A count of what	[The immediate	[The higher level and longer-term
	done with these resources]	(staff, time,	has happened as a	consequences and	results.]
		money) being put	result of these	change.]	_
		into an	activities]		
		intervention]	-		
			Theatr Gwaun	to enhance volunteer and	45 projects funded that reduced
			Community Trust -	visitor experience.	carbon emissions and/ responded to
			£20,042	F: 1 10 1 150	the environmental emergency.
			4 D	Fishguard Sports AFC	22 renewable energy installations
			1 Develop an	received £5184 towards replacement of a diesel-	with collective potential to generate
			initiative to promote reduction in carbon	powered tractor with an	over 111kWh energy.
			emissions in	electric Zero turn mower,	Three carbon reduction in transport
			transport:	which is charged by an	projects.
			ti di loporti.	existing solar panel system.	projecte.
			Acts West Wales –	This intervention is reported	Two waste minimisation projects and
			Cilrath Acre - £8,920	to save 200 litres of diesel	18 behaviour change / other carbon
				per year, saving 500 kg of	reduction projects.
			3x Other community-	carbon. The use of the	
			based carbon	mulching attachment is also	
			reduction initiative:	reported to benefit the soil	
			A T	with nitrogen enriching the	
			Awel Amen Tawe	ground, reducing dependence on commercial	
			(We are Energy Warriors) - £17,135	fertilisers (produced from	
			(variors) - £17,133	fossil fuels) in coming years.	
			Fishguard Sports		
			AFC - £5,760	Awel Amen Tawe received	
			,	£17,135 to fund 'We are	
			Caerhys Organic	Energy Rappers'.	
			Community	Pupils at seven primary	
			Agriculture - £12,028	schools in Pembrokeshire	
				were engaged in climate	
			0 005 0 ""	change and energy reduction	
			One SDF Committee	learning and thinking	
			visit to projects	activities.	

	Review Deep Dive Assessing		0.1.1	0 1 -	
Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	[The things that are being	[The resources	[A count of what	[The immediate	[The higher level and longer-term
	done with these resources]	(staff, time,	has happened as a	consequences and	results.]
		money) being put	result of these	change.]	
		into an	activities]		
		intervention]			
			funded in SDF and	Pupils also led campaigns to	
			Greening	raise awareness of fast	
			Agriculture.	fashion and food waste.	
				Schools reduced their carbon	
				emissions by 5-12% in	
				2023/24 compared to the	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0	0	previous year.	It has no decord a sub-on-section.
	Work with dairy farms in the National Park to trial different	Sustainable	Seven Greening	Project has helped build links	It has reduced carbon as well as
	approaches to enable farm	Landscapes Sustainable Places	Agriculture (decarbonisation)	with dairy farmers – important that we capture lessons	supporting the economic and environmental resilience of local
	businesses to reduce carbon	(WG) funding for	projects were	learnt from this work to inform	farms.
	through offsetting and	grants to be	approved for funding	future approaches and	To date, the Greening Agriculture
	reduction measures.	distributed.	through the scheme	projects.	pilot has aided the decarbonisation of
	Toddollon medddios.	diotributou.	by the end of	projecte.	nine milk producers within the Park,
		Greening	2023/24, with		influencing an area of 2,039 ha.
		Agriculture pilot	support being		The work funded has reduced the
		with the aim of	provided for heat		carbon footprint of over 14 million
		further	recovery systems,		litres of milk* on an annual basis.
		decarbonisation	vacuum pumps,		The fund has contributed to the
		within the	battery storage and		installation of 70kw of solar power
		agricultural sector,	solar systems.		and 69kwh of battery storage.
		both by reducing	·		Other efficiency enhancements have
		emissions and			been Heat Recovery Units (4) and
		sequestration			Vacuum on Demand Systems (2).
		Sustainable			* 'Litres of milk' is a conservative
		Farming Officer			figure based on an average yield of
					7,000 litres annually per cow.
	Review our role and	Head of	1 completed study	Input into regional transport	Reduce emissions by providing more
	engagement with strategic	Decarbonisation	on Access and	plan.	alternative transport options.
	partners to identify how we	and Head of	Travel Management		

Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	[The things that are being	[The resources	[A count of what	[The immediate	[The higher level and longer-term
	done with these resources]	(staff, time,	has happened as a	consequences and	results.]
		money) being put	result of these	change.]	
		into an	activities]		
		intervention]	-		
	can best support and, where	Strategic Policy	Strategy PCNPA by	Increase opportunities for	The Celtic Coaster (service 403 for
	feasible, help retain and	working closely	Martin Higgit	visitors and communities to	St Davids Peninsula) had 28,939
	expand sustainable	with	Associates with	use public transport by	passengers in 2023/24.
	transport initiatives in the	Pembrokeshire	recommendations.	supporting P&R and coastal	
	Park.	County Council		buses.	Poppit Rocket/ Fflecsi Service
	Monitor developments linked	particularly around	Supported Tenby		(service 405 runs via coast between
	to Coastal bus service,	the Regional	Park and Ride	Working closely with PCC to	Fishguard and Cardigan) had 5,603
	Fflecsi bus	Transport Plan.	scheme (contribution	explore further roll out of e-	passengers
	service and other regular bus		£7,000) run by PCC.	bike scheme into the National	
	routes	Senior Leadership	0.00	Park.	The Coastal Cruiser (service 387/88
		Team staff	Officers, including	0.45	for Angle Peninsula) had 6,986
		resource –	Strategic Policy	OYP e-bike scheme up and	passengers.
		Strategic	Manager and Head	running. Figures as	
		engagement	of Decarbonisation,	(29.08.24)	The Partnership also secured the
		locally, regionally	to meet regularly	118 users are signed up to	return of the Puffin Shuttle and
		and nationally.	with officers in PCC	· · · · · · · · · · · · · · · · · · ·	Strumble Shuttle for 2024/25.
		Working	to discuss transport	use our e-bikes since April	
		collaboratively	priorities.	2024	
		with partners	Key officers are part		
		to identify	of the Greenways Partnership with	There have been 87 trips so	
		funding gaps	PCC.	far in total.	
		and opportunities.	PCC.		
			£67,861- PCNPA	£1,102 total income until	
			contribution towards	29.08.24.	
			Poppit Rocket and		
			Celtic Coaster/	Working with Head of	
			funding of 50% of	Regenerative Tourism and	
			Greenways Officer	Comms to explore	
			post in 2023/24.	opportunities to support car	
			Officer time for	free days out and access to	
			2.11001 41110 101	the NP sites on public	

Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	[The things that are being	[The resources	[A count of what	[The immediate	[The higher level and longer-term
	done with these resources]	(staff, time,	has happened as a	consequences and	results.]
	-	money) being put	result of these	change.]	_
		into an	activities]	0 1	
		intervention]	,		
			partnership	transport. This includes input	
			meetings.	into a programme being	
				delivered by GWR.	
			This is an important		
			partnership that		
			supports public		
			transport access to		
			the coast, and it is		
			positive two services		
			will be returning for		
			2024/25. It plays an		
			important role in		
			terms of contributing		
			to decarbonisation		
			and regenerative		
			tourism priorities.		
			However, the		
			financial environment for		
			public bodies and		
			wider challenges		
			facing bus provision/		
			sector means that		
			continued		
			engagement with		
			local partners and		
			Welsh Government		
			is crucial to ensure		
			longevity and		

Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	The things that are being	The resources	[A count of what	[The immediate	The higher level and longer-term
Fiaii	done with these resources	-	•	-	results.]
	done with these resources]	(staff, time,	has happened as a	consequences and	results.j
		money) being put	result of these	change.]	
		into an	activities]		
		intervention]			
			continuation of		
			service provision.		
	Engagement with partners	Officer time	Participating in PSB	Work embedded in the new	Engagement and Inclusion team
	including businesses with a	Partnership work	Nature and	Partnership Plan and policies	supported 574.5 volunteer and social
	focus on the visitor economy		Decarbonisation	such as the sustainable	action contributing to
	sector, third sector and PSB	Engagement and	subgroup meetings.	procurement policy.	decarbonisation/ removals in
	to support decarbonisation of	Inclusion team			2023/24, including community tree
	the National Park.		UK National Parks	Dark Skies Project underway,	planting and litter pick activities.
		Regenerative	monthly Climate	identifying retrofit	
	Engagement to be informed	Tourism team	Change and Energy	opportunities within the Park	Dark Sky collaborative project survey
	by findings within Small	D 1 011 05	group meetings	with organisations	in August 2023 – sites in National
	Worlds Report.	Dark Skies Officer	attended	and businesses.	Park, including schools, businesses,
					and community centres, secured
			Synthesis report		capital funding for lighting schemes
			looking at carbon		and retrofitting to reduce the
			baseline of all		incidence of light pollution within the
			National Parks in UK		Park.
			and all NPs and		
			AONBs in Wales		
			written by Small		
	Company III/ National Design	Office on time o	World Consulting.	Communication III/ wide as	Diadra and assessing out to use the second
	Support UK National Parks	Officer time.	Part of successful	Communication UK-wide on	Pledge and commitment to net zero.
	Race to Zero application.	Partnership work.	UK-wide NP family	the application.	Learning opportunities from other
		On no autum it : 4 -	application to Race		Parks
		Opportunity to	to Zero.		Strengthened partnership working
		look at what	Loupeb July 2024		and opportunities
		another Park	Launch July 2024.		Raise awareness through UK
		Authorities are	Next steps –		communications campaign.
		doing across	development of a		
		Wales and UK.	Climate Action Plan		
			and reporting		

Delivery	Activities	Inputs	Outputs	Outcomes	Impact
Plan	[The things that are being	[The resources	[A count of what	[The immediate	[The higher level and longer-term
	done with these resources]	(staff, time,	has happened as a	consequences and	results.]
	_	money) being put	result of these	change.]	-
		into an	activities]		
		intervention]	_		
			through CDP		
			annually.		
			Race to Zero		
			presentation		
			planned for PSB		
			sub-group		
			September meeting.		

2. Case Studies

2.1 Fleet decarbonisation

In 2023/24, the Authority's fleet and equipment emissions were 86,749 kgCO2e – a decrease of 19.65% on 2022/23 emissions.

This decrease is a result of the increase in electric vans brought into the fleet at the end of 2022/23. This has caused a significant decrease in diesel consumption.

39.9% of the Authority's fleet is now electric.



The Authority initiated the purchase of an accessible electric minibus in 2023/24. It should be received by the end of the year and will replace an old diesel minibus.

Feedback from users of the 11 BEV (battery electric vehicle) vans has been positive, with improvements in practicality and operator comfort reported as benefits, alongside a ~50% reduction in fuelling costs.

Access to these BEVs in the workplace will also build confidence in the technology, potentially influencing uptake of BEVs for private road transportation needs.

The next phase in our fleet decarbonisation plan is to replace the three hybrid pool cars and an estates van for electric vehicles.



"I really enjoy driving the van, it's a nice driving experience and I much prefer it to driving a diesel van. The driving position is nice, and with the 20mph speed limits in certain areas, driving an electric van makes for an easier and smoother drive. I deliver to over 600 venues across Pembrokeshire and Carmarthenshire, and sometimes I can feel restricted by the range of the battery and availability of rapid chargers. I've also been working with Fleet Officer to investigate different options for EV versions of fuel cards that would enable me to charge the van at any charge point in the two Counties. The one thing I would also highlight is that we could do with a reversing beeper for places where there's lots of pedestrians about as the van is so quiet. Other than that, I'm very happy with the electric van." - Tony Gilby, Coast to Coast delivery driver August 2024

2.2 Land Use – Emissions and Removals, Land purchase for carbon sequestration

In 2023/24 the Authority's emissions from land use (sites it owns) were 4,277 kgCO2e, an increase of 1.59% on the 2022/23 emissions data.

In 2023/24 the Authority's land use emissions removals (from sites it owns) were - 1,282,091 kgCO2e, a decrease in emission removals of 0.49% on the -1,288,473 kgCO2e emission removals for 2022/23. This is due to the purchase of land at Traeth Mawr.

In previous years, the Authority purchased Grapley End Fields site at Trefin and Penpacau site in support of increasing carbon

removals alongside nature recovery opportunities.

In 2021 and 2022, two parcels of land for carbon sequestration were purchased with funding from the Sustainable Landscape Sustainable Places (WG)





Grapley End Fields' Trefin 11.87ha was purchased to safeguard the future of the land in terms of:

- Creating a contiguous strip with existing block of coastal strip land Trwyn Llwyd
- Restore a mixture of coastal grassland, species-rich grassland, scattered scrub and boundary features for the benefit of a whole range of typical coastal species.
- Becoming a demonstration site for coastal resilience through the delivery of multiple benefits in the coastal hinterlands.
- Increase the resilience of the coastal habitats by buffering the coastal strip from adverse impacts and increasing the size and connectivity of the coastal habitat network. It would increase opportunities for Chough and pollinators and farmland birds.
- A rough estimate of the carbon benefit of restoring improved grassland (at an existing value of 60tC/ha) to a mixture of coastal grassland, species-rich grassland, scattered scrub and boundary features is an additional 6 tonnes carbon / hectare. Thirty acres 12 hectares) could therefore result in additional sequestration of 72 tonnes of carbon.

- Initial community events were held and well attended following the purchase.
- We've had a settled agricultural tenant for the last two years who is grazing with cattle and sheep and reducing nutrients and increasing floral diversity by taking haycuts.
- An event was held with the local community to carry out some baseline monitoring on one of the meadows and this was combined with a practical conservation task.
- Trees and shrubs have been planted on site.
- An interpretation board has been erected to help the community understand the site and our ambition.

Pen Parke, Brynberian 2.90ha

A suitable site of woodland meadow was purchased to provide good connectivity for wildlife, secure community access and volunteering opportunities and support carbon sequestration.

The small site will enable the:

- •Creation a woodmeadow becoming a demonstration site for community woodland/ woodmeadow
- Carbon sequestration
- Connectivity for wildlife increase the resilience of woodland and meadow habitats and connectivity of species
- Conservation / restoration of natural processes e.g. hydrological function, flood amelioration
- Nature experiences e.g. a meadow or woodland for every community in the Park.
- Heritage and landscape
- Soil conservation

Woodland expansion is a UK and Welsh Government priority and is an effective means of carbon sequestration but scope for new woodland or even woodland extension is limited in PCNP.

A rough estimate of the carbon benefit (calculation of increase in soil carbon) is 5 tonnes per hectare. If the site is 5 acres, that's approx. 2 hectares, therefore 10 tonnes additional carbon in the soil (whole site).

Both acquisitions represent a significant positive impact on carbon sequestration and on biodiversity gain in the National Park. Carbon sequestration activities that also benefit nature recovery support a more resilient Wales. Building resilience in terms of climate adaptation supports a more resilient Wales and a Wales of cohesive communities.

3. Challenges and Opportunities

The following outlines future challenges and opportunities in relation to our decarbonisation work.

A large area of future work will be a deep dive into **procurement and purchasing** with recommendations on placing a value on decarbonisation. To support Just Transition to Net Zero, the deep dive will consider the Socially Responsible Procurement duty under Social Partnership and Public Procurement (Wales) Act 2023 and procurement aspect of Equality Duty. Engagement with SMEs within our supply chain. This will also be accompanied by a focus on biodiversity and the Environment Act 2016 requirement to maintain and enhance biodiversity.

Our Supply chain emissions remain the highest source of emissions. However, care is needed in terms of supply chain emission data and looking at trends, as it is based on proportionally attributing a subset of total expenditure to one of seven expenditure categories (provided by WG net zero reporting spreadsheet) - and so does not account for all expenditure or consider the other 113 reportable categories of expenditure. Officers are also mindful of a desire to support local suppliers.

Partnership working. We have extremely ambitious targets that were identified in our carbon baseline study and look to target the 2050 net zero for the National Park. But we cannot do this in isolation, we need to use existing and new partnerships in the National Park to work together to support this ambition which provides an opportunity to work closely and strengthen our partnership working with colleagues in the tourism, agriculture and third sectors as well as our public sector partners. We are also on the same journey as our UK National Park family so can share learning and to support one another in reporting and measuring data.

Funding continues to remain a challenge for all aspects of the public sector, but there are opportunities within the Decarbonisation Plan, particularly around decarbonising building and fleet that will give a good return on investment and provide future cost savings.

The Authority will look to progress a review of its **asset** *I* **estates management strategy** in 2024/25 to take account of decarbonisation emissions and removal opportunities and climate adaptation considerations. Grid capacity and prohibitive standing charges for our rapid electric charging is a challenge, as well as having like-for-like replacement vehicles for our 4x4 to enable a fully decarbonised **fleet**.

The Decarbonisation team is a small team that supports the work of the Authority, through Building Projects delivery, building maintenance, ICT infrastructure and support, Llanion HQ facilities and customer services and estates, including car parking. Despite the huge span of work the team delivers on, the thread of decarbonisation and climate reliance enables collaborative working.

3. Contribution to Cross Cutting Outcomes:

Cross Cutting Outcome	Contribution – Activities and Impact
Sustainable Development Principles – 5 ways of working	Long term – Decarbonisation activities. We're an Authority aiming for net zero and a carbon neutral National Park. For example, installing electric vehicle charging infrastructure for future low carbon travel. Integration – Our ambition can only be achieved by taking a strategic and integrated approach with partners. For example, our work on Race to Zero with other National Parks in Wales and UK. Prevention – Focused on delivering interventions that will look to prevent problems occurring or getting worse across the National Park. For example, purchasing land for carbon sequestration and biodiversity benefits. Involvement - engagement plays an important part in ensuring we develop the right policies and actions, for example we have an Eco-Champions group within the National Park Authority to enable a wide range of people/ staff to be involved in the decarbonisation journey. Collaboration – Positive change can only be achieved through working together with others. For example, we have been working with the agriculture community to deliver the Greening Agriculture pilot.
Public Sector Equality Duty/ Socio Economic Duty / Reducing Child Poverty	SDF fund will continue to support community projects, including projects that can provide warm spaces or support within communities. Engagement with strategic partners to support sustainable transport initiatives involving public transport could help tackle transport challenges facing some disadvantaged groups.

	To support just transition to net zero the procurement deep dive will consider the Socially Responsible Procurement duty under Social Partnership and Procurement (Wales) Act 2023 and Public Procurement aspect of Equality Duty. Project checklist developed under the Governance and Decision-Making Delivery plan will be used to ensure any new decarbonisation projects or behaviour change focused activities take a just transition to net zero approach.
Promoting Welsh Language	We will support staff to expand their Welsh Language vocabulary and familiarity with technical terms linked to climate change.
Section 6 Biodiversity Duty / Sustainable Management of Natural Resources	It will help embed practices that will also have positive impact on Nature Recovery for example waste reduction initiatives. Land use removals and emissions will be monitored via Net Zero reporting – this will influence wider Nature Recovery Delivery Plan actions. Land use activities have been embedded within Nature Recovery Delivery Plan instead of in the decarbonisation plan to ensure that any approaches we take consider potential biodiversity implications.
Engagement with Communities and Stakeholders	SDF is providing opportunity for communities to fund community decarbonisation projects. The Authority is using the Greening Agriculture project to develop and strengthen its engagement with farming sector. We will look to engage with SMEs that we use as part of our decarbonisation work on Authority's procurement emissions. We will carry out engagement with partners, businesses with a focus on visitor economy sector, the third sector and PSB to support decarbonisation of National Park.
Staff Development / Volunteering Opportunities	As plan progresses potential to explore new volunteering opportunities linked to decarbonisation. Training plan developed through Skills Development and Training Delivery Plan will identify, and support staff skills development linked to carbon literacy.

4. Overall Assessment and Next Steps

Over the next two years, we will continue to implement positive interventions to decarbonise the National Park Authority, focusing on our buildings, fleet, waste, policy and governance. We will have a detailed sustainable procurement policy and strategy that will provide a good foundation on improving our supply chain and will have a better understanding of how we can decarbonise our supply chain. We will continue to build on identified good practice and building up the knowledge base of our staff, to embed processes that support decarbonisation.

Through local and UK wide partnerships we will work towards our goal of a NetZero National Park by 2050.

Author: Head of Decarbonisation