

REPORT OF THE PERFORMANCE AND COMPLIANCE CO-ORDINATOR

SUBJECT: RESPONDING TO THE CLIMATE CHANGE EMERGENCY

Purpose of Report

To ask Members to approve *Responding to the Climate Change Emergency (2020 – 2030) - Our actions to deliver the National Park Management Plan 2020-2024*.

Introduction/Background

In April 2019, the Welsh Government's Environment Minister Lesley Griffiths declared a climate emergency in Wales. Welsh Government has a target for the Welsh public sector to be carbon neutral by 2030, with key roles identified for National Park Authorities.

Responding to the climate emergency is also a key priority identified by Authority staff. In June 2019, staff representatives met with Authority Members at the Employee Forum to discuss the issue. It was resolved at that meeting that a report would be drafted, outlining how the Authority was responding to climate change, for discussion by Members.

Following input from a range of staff, a report was taken to the Authority in October 2019. The report outlined how the Authority is responding to climate change, via carbon reduction and sequestration, adaptation and mitigation. It also included suggestions for additional action. It was resolved that an Action Plan should be prepared for Authority consideration.

A Member workshop to discuss the content of the Action Plan took place in January 2020, and the draft Action Plan went out for further staff, Member and National Park Management Plan reference group member consultation¹. Two responses from Members and five responses from staff were received.

This plan sets out priority actions for the Authority in terms of its response to the Climate Change Emergency and supports delivery of the National Park Management Plan.

Actions within it will be mainstreamed within the Authority's Corporate and Resources Plan and performance framework. This will help ensure that the Plan is monitored and actions are considered as central to Authority work. Actions will be reviewed annually taking into account current performance, carbon emissions calculations for the Authority and new opportunities. The status section of the Plan will be updated quarterly.

¹ The National Park Management Plan reference group is a partnership group involving senior representatives of the National Park Authority and relevant authorities.

The Plan aims to impact on the following areas:

- a) Promote a carbon neutral and resource efficiency approach in our work and within the Park, including greening our fleet and equipment and further greening our buildings.
- b) Identification and development of opportunities to protect and enhance the carbon store within the Park, while also helping prevent loss of biodiversity.
- c) Promote sustainable transport and active travel within the Park.
- d) Collaborate with communities and local businesses to develop local responses to Climate Change Emergency.
- e) Collaborate with local Public Services Board (PSB) and others to raise awareness and respond to climate change risks and promote adaptation methods.

Financial considerations

A funding and resource column has been included within the Action Plan. Funding opportunities will be sought for those actions within the Plan that are currently unfunded.

Risk considerations

Failure to deliver on this Plan will impact on the Authority's ability to meet the Welsh Government's target for public sector bodies in Wales to be carbon neutral by 2030 and contribute to wider carbon emission reduction targets. There is a reputational risk for the Authority both in terms of public and staff perception if it fails to deliver against the Plan.

Timescales for some activities have been extended due to potential impact of COVID-19 and recovery planning on their implementation.

Compliance

Activities within this Plan help support the Authority's wider well-being objectives in relation to the Well-being of Future Generations Act, including implementing the 5 ways of working in how it operates. Activities also support its Section 6 biodiversity and resilience of ecosystems duty under the Environment (Wales) Act 2016.

Human Rights/Equality issues

An equality impact assessment has been carried out on the Action Plan. The Action Plan has the opportunity to promote equality of opportunity if the following factors are considered as part of its delivery. Not considering these factors could lead to the Authority developing strategic approaches, projects and initiatives that are not inclusive and in some cases could discriminate against people.

- a) Project, initiatives and schemes in the design and procurement phases should take account of access and equality consideration and look at how they can overcome barriers that may prevent people from participating in the proposed solution. A project checklist is going to be developed that can be used by officers and partners ensure that projects developed to address National Park

Management Plan impacts are inclusive; this will be a useful reference for officers.

- b) Strategic considerations on sustainable transport should take into account potential barriers and solutions to these barriers in terms of accessible transport, awareness and safety.
- c) Strategic consideration on sustainable transport in particular those that relate to increasing costs that could potentially restrict/limit access to the Park for people on lower incomes compared to those on higher incomes should be subject to an equality impact assessment that includes considerations of socio-economic impacts.
- d) Corporate changes in ways of working in relation to remote working should be subject to an equality impact assessment and consultation with staff.

Biodiversity / Section 6 Duty

The interim Natural Resources Wales report on the State of Natural Resources highlights that climate change and biodiversity loss are interconnected global challenges. The Action Plan recognises this and includes a specific section on Biodiversity - Land and Water Management Activities. Wider actions within the Plan will also support the Authority in delivering against the biodiversity and resilience of ecosystems duty under the Environment (Wales) Act 2016.

Welsh Language

The approved Action Plan will be translated into Welsh. The draft Plan for consultation for Staff, Members and Relevant Authority Group Members was available in Welsh. Actions within this Plan will need to comply with the Welsh Language Standards.

Recommendation

Members **APPROVE** *Responding to the Climate Change Emergency (2020 – 2030)- Our actions to deliver the National Park Management Plan 2020-2024.*

(For further information, please contact Mair Thomas, Performance and Compliance Co-ordinator.)

Author: Mair Thomas

Consultees

- Conservation Policy Officer
- IT and Business Improvement Manager
- Building Projects Manager
- Director of Planning and Park Direction
- Leadership Team
- National Park Authority Staff

- National Park Authority Members
- National Park Management Plan Reference Group members

Responding to the Climate Change Emergency (2020 – 2030)



Our actions to deliver the National Park Management Plan 2020-2024



Responding to the Climate Change Emergency – Delivery Action Plan

Strategic Drivers

- ✓ The Welsh Government has a target for the Welsh public sector to be carbon neutral by 2030. The Welsh Government in its [Valued and Resilient Written Statement](#) highlighted green energy and decarbonisation as one of the priority areas for National Park Authorities. In December 2019 the Welsh Government published a new climate change adaptation plan for Wales, [Prosperity for All: A Climate Conscious Wales](#).
- ✓ NRW 2019 Interim Report on SoNaRR and the [South West Wales Area Statement](#) highlight the interconnected nature of the global challenges of climate change and biodiversity loss.
- ✓ Actions should support:
 - National Park Management Plan Policy N1: Contribute to a low carbon economy for Wales and adapt to climate change.
 - Authority's Well-being Objectives: Global - To ensure our work makes a positive contribution to global well-being. Resilience – Improve the health of the National Park's ecosystems. Communities: To encourage communities to become more engaged with the National Park.
 - PSB project on Carbon Neutral Pembrokeshire.
- ✓ Actions will support delivery of Welsh Government Carbon emissions targets, Section 6 Duty and implementation of the Sustainable Management of Natural Resources principles under the Environment Wales Act 2018.

Impact Areas

- ✓ Promote a carbon neutral and resource efficiency approach in our work and within the Park, including greening our fleet and equipment and further greening our buildings.
- ✓ Identification and development of opportunities to protect and enhance the carbon store within the Park, while also helping prevent loss of biodiversity.
- ✓ Promote sustainable transport and active travel within the Park.
- ✓ Collaborate with communities and local businesses to develop local responses to Climate Change Emergency.
- ✓ Collaborate with local Public Services Board and others to raise awareness and respond to climate change risks and promote adaptation methods.

Monitoring

- ✓ Actions and indicators will be mainstreamed into Authority's corporate planning cycle and monitored through performance reports and the Authority's performance management system. Actions will be reviewed annually taking into account current performance and new opportunities. The status section of this document will be updated quarterly.
- ✓ Annual indicators and summary of performance to date against 2030 target will be provided in annual improvement report / report on meeting well-being objectives. A separate report will be produced if requested by Members.
- ✓ Data will be reviewed to assess and identify targeted areas for Carbon reduction within Authority operations.
- ✓ Core Indicator: **Annual carbon emission kg.**

Responding to Climate Change Emergency – Action Plan Overview

Monitoring

Monitoring progress and ensuring interventions can be put in place where needed

- Environmental Management System → Alignment with WG reporting methodology
- Green Key Awards at the centres

Assessing carbon impact when developing projects or making decisions

- Carbon impact embedded into project proposals and relevant Committee papers

Transport and Equipment

Reducing Authority transport and equipment related emissions

- Greening the fleet → Greening our equipment → Promoting sustainable transport, active travel and digital communication options

Promoting and supporting sustainable transport and active travel opportunities in the Park

- Network of electric vehicle charging points → Supporting coastal buses
- Tread Gently Initiatives: Promoting sustainable transport and active travel in the Park

Energy and Buildings

Reducing our energy consumption from Authority sites and producing renewable energy where feasible on our estate

- Greening our buildings (Phase 2) → PV renewable energy generation

Promoting Community and Individual Renewable Energy Projects through Planning Policy

- Meeting renewable energy targets within the Local Development Plan 2 → Supplementary Planning Guidance

Procurement and Waste Management

Minimising emissions, environmental impact and waste through our procurement practices

- Improve sustainable procurement practice → Addressing high paper impact areas

Reducing waste produced by staff, Authority operations and at centres

- Improving waste monitoring → Tread Gently waste initiatives → Contributing to refill Nation

Biodiversity - Land and Water Management Activities

Supporting biodiversity and conservation projects and schemes that also enhance and protect Carbon Sequestration and Stores in the Park

- Conserving the Park → Traditional Boundaries → Conservation work on Authority owned or leased estate → Pembrokeshire Commons Resilience project → Sequestration for the Nation project → Paths, Plants and Pollinators Pilot Project → Stitch in Time → Naturally Connected phase 2 → Supporting partnership projects in foreshore and marine environment
- Participation in Pembrokeshire Grazing Network and Pembrokeshire Wildfire Group

Community Engagement and Innovation

Collaborating with Communities and supporting innovation to develop responses to the Climate Change Emergency

- SDF Climate Change Emergency focused projects → Greening our communities – community based projects → Collaborating with other National Park Authorities and AONBs on joint innovative projects

Climate Adaptation

Putting in place mechanisms to support climate adaptation

- Implementing LDP 2 policies → Engaging people in recording change → Increasing resilience to winter storm damage on Public Rights of Way → Involvement with Foreshore Management Plans and Environmental and Climate Change Risk Assessment for Pembrokeshire

Responding to Climate Change Emergency: Monitoring

1. Monitoring

a) We are monitoring progress and ensuring interventions can be put in place where needed.

Action	Purpose/ Outcome	Funding/ Resource	Timescale	Lead Officer	Status
Environmental Management system in place to ensure implementation of Environmental Policy	Ensure environmental policy is embedded in how Authority operates and performance and progress is monitored.	Officer Time.	2020/21 – 2021/22	Business Improvement and IT Manager	Development scheduled for 2020/21– 2021/22. System to align with Welsh Government Recording Methodology.
Environmental Management system performance is being monitored	Performance and progress is being monitored, interventions can be put in place to improve performance in areas.	Officer Time.	Ongoing.	Business Improvement and IT Manager	Once in place system will be monitored on an ongoing basis.
Realignment of Carbon monitoring with Welsh Government methodology	Authority's Carbon calculation aligns with standard Welsh Government methodology.	Officer Time.	2020/21 – 2021/22	Building Projects Manager/ Performance and Compliance Co-ordinator/ Business Improvement and IT Manager	Awaiting WG release of recording methodology. Specific measures/ targets will be set for areas once data realigned.
Continuation of Centres achieving Green Key Awards	Centres continue to demonstrate high level of environmental performance through achieving Green Key Award.	Annual Cost of Scheme.	Ongoing.	Director of Countryside, Community and Visitor Services / Centre Managers	Annual application/ renewal process in place.

Responding to Climate Change Emergency: Monitoring

a) We are assessing carbon impact when developing projects or making decisions.

Action	Purpose/ Outcome	Funding/Resource	Timescale	Lead Officer	Status
Carbon Impact embedded into project proposals	Projects developed take account of their impact in terms of carbon emissions or positive impact on carbon stores.	Officer Time.	2020/21 – 2021/22	External Funding Manager	Activity scheduled for 2020/21 - 2021/22.
Carbon Impact embedded into relevant Committee papers to inform decisions of Members	Members are able to consider impact of decision on carbon emission or positive/negative impact on carbon stores.	Officer Time.	2020/21 – 2021/22	Performance and Compliance Co-ordinator/ Admin & Democratic Services Manager	Activity scheduled for 2020/21 – 2021/22. Will be affected by Welsh Government recording methodology.

2. Transport and Equipment

a) We are reducing Authority transport and equipment related emissions.

Action	Phase	Purpose/ Outcome	Funding /Resource	Timescale	Lead Officer	Status
Greening the Fleet (Phased Project)	Procurement: Moving to a low emission fleet for cars and vans including use of electric vehicles.	To have a low emission fleet.	Combination of Authority's capital reserves and Welsh Government funding grants (£140K secured to date.)	Ongoing – Based on renewal schedule.	Business Improvement and IT Manager	Currently ongoing – based on renewal schedule. Environmental Impact Considerations: End of Life use re batteries.
	Procurement: Moving to lower emission four by fours - more fuel efficient.	To have a low emission fleet.	Combination of Authority's capital reserves and future Welsh Government funding grants.	Ongoing – Based on renewal schedule.	Business Improvement and IT Manager	Currently ongoing – based on renewal schedule.
	Procurement: Moving to electric four by fours.	To have a low emission fleet.	Dependent on cost related to improvements to technology.	Dependent on improvements to technology.	Business Improvement and IT Manager	Ongoing scoping of improvements in technology. Environmental Impact Considerations: End of Life use re batteries.
	Innovation opportunities: Explore opportunities for working with companies and Universities on research and development opportunities related to	To contribute to the development of low emission fleets, particularly in a rural context.	Dependent on partnership opportunities and feasibility.	Ongoing.	Business Improvement and IT Manager	Ongoing scoping of opportunities.

Responding to Climate Change Emergency: Transport and Equipment

	Green Fleet developments.					
Promoting sustainable transport, active travel and digital communication options	Policy: Framework in place to promote sustainable and active travel options to Staff through Travel Policy (Guidance on cost/time.)	More staff take up sustainable and active travel options for work related trips.	Officer Time.	2020/2021	Business Improvement and IT Manager	Travel Policy has been amended. Ongoing monitoring of take up re sustainable and active travel options against use of vehicles.
	Tread Gently Initiatives: Promotion of sustainable and active travel itineraries and initiatives to staff, Members and volunteers including cycle to work scheme.	More staff take up sustainable and active travel options for work related and commuting to work trips.	Office Time.	Ongoing.	Business Improvement and IT Manager / HR Manager	2020/21-2021/22 begin development of promotional activities and initiatives.
	Ways of Working: Through wider review of HR policies and practices explore opportunities to assist staff to take up remote working and other ways of working where appropriate that help reduce travel associated emissions.	Reducing mileage associated emissions through effective ways of working	Officer Time. Potential equipment related costs.	2020/21 – 2021/22	HR Manager	2020/21 wider review of HR policies and practices. Equality Considerations: Any change in practice should be subject to an Equality Impact Assessment and staff consultation.
	Infrastructure: Improving Video Conferencing Capabilities	Reducing mileage associated emissions through enabling alternative meeting methods.	Dependent on securing Funding. Estimated Initial Cost: £34,000.	Dependent on securing funding.	Business Improvement and IT Manager	Progress dependent on securing funding for project.
	Infrastructure: Use of Agile Software in Development Management to assist	Reducing Planning Officer mileage associated emissions through	Dependent on securing funding. Estimated Initial Cost: £30,000.	Dependent on securing funding.	Business Improvement and IT Manager/	Progress dependent on securing funding for project.

Responding to Climate Change Emergency: Transport and Equipment

	remote working	enabling officers to work remotely.			Director of Planning & Park Direction	
Greening our Equipment	Procurement: Battery and low emission options where feasible are procured on replacement or purchase of new equipment	To have low emission equipment across Warden and Ranger Teams.	Dependent on cost related to improvements to technology.	Ongoing – Based on renewal schedule.	Operations Manager	£5000 received from Welsh Government to purchase suitable battery operated machinery.

b) We are promoting and supporting sustainable transport and active travel opportunities in the Park.

Action	Phase	Purpose/ Outcome	Funding /Resource	Timescale	Lead Officer	Status
Network of Electric Vehicle Charging Points	Procurement Phase 1: Electric vehicle charging points at four sites -Saundersfoot, OYP, Porthgain and Broad Haven	First phase electric charging points in place across Park to support use of electric vehicles (aligned to wider provision across Pembrokeshire by PCC.)	Funding Secured – WG. Income generation opportunity.	2020/21	Building Projects Manager	Contractor appointed for charging points. Installation originally planned for March, experiencing delay.
	Procurement Phase 2: Electric vehicle charging points at circa four sites for PCNPA electric vehicles operational use.	Operational infrastructure in place to enable staff to maximise use of electric vehicles.	Dependent on securing funding. Approx £20,000 per charging points (variability depending on costs at specific sites in terms of linking to electricity network.)	Dependent on securing funding.	Building Projects Manager	Dependent on securing funding. Alignment with PCC procurement processes for their charging points. Delivery important for helping Authority progress electrifying its fleet.

Responding to Climate Change Emergency: Transport and Equipment

	<p>Policy: New Car Parking Policy includes reference to electric vehicle charging. Create list of PCNPA car parks/sites prioritised for electric vehicle charging points or expansion of number of points at site.</p>	<p>PCNPA policy supports promotion of electric vehicle charging within PCNPA car parks and Authority has clear plan and aspirations in terms of implementation.</p>	<p>Officer Time.</p>	<p>2020/21</p>	<p>Director of Countryside, Community and Visitor Services/ Estate Officer/ Building Projects Manager</p>	<p>Activity scheduled for 2020/21.</p>
	<p>Procurement Phase 3: Procurement of electric vehicle charging points at prioritised car parks/sites or expansion of number of points at sites already with provision.</p>	<p>Network in place across Park and Pembrokeshire to support use of electric vehicles.</p>	<p>Dependent on securing funding. Approx £20,000 per charging points (variability depending on costs at specific sites in terms of linking to electricity network)</p>	<p>Dependent on securing funding. Alignment with PCC procurement processes for their charging points.</p>	<p>Building Projects Manager</p>	<p>List of prioritised car park/ sites or expansion of number of points at sites under development to steer future opportunities.</p>
<p>Greenways Partnership – Coastal Buses</p>	<p>Financial support: Continued provision of financial support for Coastal Bus Service through Greenways Partnership.</p>	<p>Increase public transport options for tourists and visitors at Park sites.</p>	<p>Annual contribution to Greenways.</p>	<p>Ongoing</p>	<p>Finance Manager</p>	<p>Inclusion in 2020/21 budget.</p>
<p>Promoting sustainable transport and active travel in the Park</p>	<p>Tread Gently Initiatives: Promotion of sustainable transport and active travel itineraries.</p>	<p>More visitors take up sustainable transport and active travel options when visiting and traveling around the Park.</p>	<p>Dependent on securing funding.</p>	<p>Ongoing.</p>	<p>Communications and Marketing Manager / Tourism Policy Officer</p>	<p>2020/21- 2021/22 scope opportunities for development and promotion of sustainable transport and active travel</p>

Responding to Climate Change Emergency: Transport and Equipment

						itineraries.
	Promotion of Supported Walking Opportunities: Provision of Walkability and Walking for Well-being Project.	More people feel able to take up active travel options within their communities.	Walking for Well-being Project Grant Funded through Welsh Government Healthy and Active Fund.	Walkability – Ongoing. Walking For Health – Three year project.	Discovery Team Leader	Walking for Well-being Project has begun. Continuation of Walkability scheme. Supported walking opportunities currently suspended due to COVID-19.
	Engagement: Collaborating at strategic level with partners to improve public transport offer in Pembrokeshire.	Improved public transport offer in Pembrokeshire.	Officer Time.	Ongoing.	Senior Management Team / Tourism Policy Officer	Invitation to attend South West Wales Community Rail Partnership. Develop links with local transport forums.

Responding to Climate Change Emergency: Energy and Buildings

3. Energy and Buildings

a) We are reducing our energy consumption from Authority Sites and producing renewable energy where feasible on our estate.

Action	Phase	Purpose/ Outcome	Funding /Resource	Timescale	Lead Officer	Status
Greening Our Buildings (Phase 2)	Feasibility Study: To identify what we need to do next across our sites.	Authority has set of priorities for continuing to Green its buildings.	Dependent on securing funding. Estimate Initial Cost: £5000. Consideration of Refit Cymru option.	Dependent on securing funding.	Building Projects Manager	Dependent on securing funding. Including consideration of options relating to 0% loans through Refit Cymru etc.
	Project: Implementation of work for sites identified in feasibility study for Greening Buildings.	To have low emission buildings.	Dependent on securing funding. Potential long term savings.	Dependent on securing funding.	Building Projects Manager	Dependent on securing funding and outcome of above study.
	Partnership: Continued involvement with Pembrokeshire Energy Forum.	Shared learning and joint opportunities to inform our decarbonisation projects.	Officer Time.	Ongoing.	Building Projects Manager	Currently sitting on the forum.
PV Generation	Project: Photovoltaic PV Generation Project (CH and Cilrhedyn)	Increase renewable energy generation from within our Estate.	Feasibility Study at two sites funded - 2019/20. Delivery in capital budget 2020/21.	2020/21	Building Projects Manager	Consultants working on feasibility studies for two sites.

Responding to Climate Change Emergency: Energy and Buildings

b) We are contributing through planning permissions to targets on Renewable Electricity and Heat set out in the Local Development Plan.

Action	Purpose/ Outcome	Finance/ Resource	Timescale	Lead Officer	Status
Implementation of LDP 2 Policy - Renewable Energy and Low Carbon Energy with planning permissions to contribute to an overall Renewable Electricity Target for the National Park of 38.9GWh and an overall Renewable Heat Target for the National Park of 9.8 GWh - subject to Adoption of LDP 2.	Appropriate renewable energy projects are supported within the National Park.	Ongoing service through planning. Wider funding opportunities/ constraints and any changes to permitted development rights may impact on targets proposed.	LDP 2 Plan period (following adoption.)	Head of Park Direction/ Director of Planning & Park Direction / Development Management – Team Leader	Awaiting adoption of LDP 2. Will be monitored through LDP Annual Monitoring Report.
Prepare supplementary planning guidance to include promotion of biodiversity enhancement, renewable energy generation and sustainable design.	To increase biodiversity, reduce emissions and use of natural resources.	Within existing financial resources.	Adopt within the financial year 2020/21.	Head of Park Direction	Awaiting adoption of LDP 2. Exploration of developing place plans related to these themes.

Responding to Climate Change Emergency: Procurement and Waste

4. Procurement and Waste

a) We are minimising emissions, environmental impact and waste through our procurement practices.

Action	Phase	Purpose/ Outcome	Finance/ Resource	Timescale	Lead Officer	Status
Improving Sustainable Procurement Practice	Phase 1 Audit: Commission external review of procurement practices with recommendations on how Authority can improve its procurement practices regarding sustainability, including community benefits, sourcing locally, circular economy, improving contractor behaviour etc. across Authority teams and functions (including merchandise sold at centres.)	Authority has list of recommendations it can action that will improve its sustainable procurement practices.	Dependent on securing funding.	Dependent on securing funding.	Chief Executive / Finance Manager	Authority currently does not have an in house procurement specialist e.g. Procurement Officer/Team. Outside expertise is needed.
	Phase 2 Policy Review: Review of Authority's Sustainable Procurement Policy and Trading Strategy, taking into account recommendations of external review	Authority's procurement policy is supporting improved sustainable procurement practices within the Authority.	Officer Time.	Following external review.	Chief Executive / Finance Manager	Dependent on outcome of above study.
	Phase 3 Implementation: Implement	Emissions, environmental	Dependent on securing	Following external	Chief Executive /	Dependent on securing funding

Responding to Climate Change Emergency: Procurement and Waste

	recommendations from external review	impact and waste are minimised through procurement practices across the Authority.	funding.	review. May be dependent on funding/ staff capacity.	Finance Manager	and outcome of above study. May be some quick win opportunities not dependent on securing additional funding.
Procuring Digital Communication Options – For high paper impact areas of operation	[See earlier project re use of Agile software in Development Management to assist remote working under 2a. Promoting Sustainable transport, active travel and digital communication options]					
	Procurement: Board Meeting Software and Tablets.	Collaborative platform in place enabling access to documents, reducing printing of paper.	Dependent on securing funding. Estimated Initial Cost: Board Effects 1 st Year Purchase for 25 Licences £9,375 + £18 x ipads @ £350 = £6,300 Ongoing Cost: Annual 25 Licences renewal. Cost Savings: Current Paper printing and postage costs.	Dependent on securing funding.	Business Improvement and IT Manager	Dependent on securing funding. Environmental Impact: Need to consider emission and resource impact of procuring i-pads.

Responding to Climate Change Emergency: Procurement and Waste

	Procurement: Vehicle Tablets for Rangers and Wardens.	Through electronically managing work, record information and sending them to centrally managed system, reduces the need for paper based records and reduce emissions from additional mileage.	Dependent on securing funding. Estimated Initial Cost: £20 x ipads @ £350 = £7,000. Cost Savings: Current Paper printing /mileage costs.	Dependent on securing funding.	Business Improvement and IT Manager	Dependent on securing funding. Environmental Impact: Need to consider emission and resource impact of procuring i-pads.
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b) Reducing waste produced by staff, Authority operations and at centres.

Action	Phase	Purpose/ Outcome	Finance/ Resource	Timescale	Lead Officer	Status
Improving Waste Monitoring	Phase 1 Monitoring System: Put in place improved waste monitoring system for <ul style="list-style-type: none"> - Centres - Depos - Authority Site based work. 	Authority has the information it needs to target actions to reduce waste across the Authority.	Office Time.	Officer time. Dependent on securing funding.	Business Improvement and IT Manager	Will be integrated into Environmental Management System. Development scheduled for 2020/21 – 2021/22.
	Phase 2 Targeted Interventions: Develop targeted interventions to improve performance where needed based on data from waste monitoring.	Targeted action is leading to reduction in waste produced and improved practices.	Officer Time.	Following external review.	Business Improvement and IT Manager	Dependent on analysis of data gathered in terms of above system.
Tread Gently Waste Initiatives	Tread Gently Waste Initiatives: Sharing	Shared learning leading to better	Officer Time.	2020/21 – 2021/22	Building Projects	Scheduled activity for 2020/21 –

Responding to Climate Change Emergency: Procurement and Waste

	Knowledge – Llanion caretaker to visit centres to help them identify opportunities for improving their practices based on learning from waste management at Llanion.	waste management practices across Authority sites.			Manager	2021/22.
Contributing to Refill Nation	Piloting Water Refill Stations at a number of test sites. Ensuring all our Centres and Llanion are Refill Stations and working with our relevant concession providers to become refill stations.	Contributing to Wales becoming a refill nation, making it easier for people to refill their water bottles without needing to purchase single-use bottles.	Seven Refill Stations funded for installation 2019/20. Funding for refill station at Broad Haven Car Park 2019/20 secured.	Water Refill Station installation 2019/20. Monitoring of pilot ongoing. Refill Stations at Centres – Ongoing.	Building Projects Manager / Centre Managers	Units installed at the following locations (although not yet in use due to COVID 19 delay): Nolton Haven, Abercastell, Freshwater East, Porthclais Pwllgwaelod, St. Brides, Amroth. There is an additional unit to be installed in Broad Haven Car Park as part of the major project for the site.

5. Biodiversity – Land and Water Management Activities

- a) We are supporting biodiversity and conservation projects and schemes that also enhance and protect Carbon Sequestration and Stores in the Park.

Action	Purpose/ Outcome	Finance/ Resource	Timescale	Lead Officer	Status
Conserving the Park	Restores hay meadows, marshy grassland and connectivity features (hedges, cloddiau, stream corridors) and creates new areas of habitat, including species-rich grasslands, coastal habitats and wood pasture. Conserves and enhances carbon stored in soil and semi-natural habitat.	Ongoing Service. Make More Meadows Campaign is contributing to activities.	Ongoing.	Conservation Officers	In progress. Additional Conservation Officer appointed in 2019/20.
Traditional Boundaries	A grant scheme within Conserving the Park which will support land managers to undertake boundary management in accordance with agreed guidelines.	WG Capital Funding - £45,000.	Ongoing.	Biodiversity Officer	In progress. Scoping stage has started.
Conservation work on Authority owned or Leased Estate	Managing owned or leased assets for biodiversity. Conserves and enhances carbon stored in soil and semi-natural habitat.	Ongoing Service.	Ongoing.	Biodiversity Officer	In progress.
Pembrokeshire Commons Resilience Project	Protecting boundary porosity will help secure favourable condition for these valued and designated sites into the future and provide the largest deposits of carbon in the form of peat in Pembrokeshire.	WG Capital Funding - £15,000 for 2020/21	2020/21	Farm Conservation Officer	Starting in 2020/21
Sequestration for the Nation (Potential)	Nature conservation at scale that supports and enhances Carbon sequestration at scale.	Dependent on securing funding. Budget sought up to	Dependent on securing funding/	TBD	Dependent on securing funding and Authority and community buy in.

Responding to Climate Change Emergency: Biodiversity Land and Water Management Activities

Project)		£1m annually.	Authority buy in		Budget sought up to £1m annually. Project proposal bid developed for Sustainable Landscapes, Sustainable Places programme.
Paths, Plants and Pollinators Pilot Project	A pilot project aimed at changing the way the Coast Path is managed by placing a greater emphasis on maintaining and increasing biodiversity and connectivity.	Funded for 2 years. Seeking additional funding.	2019/20 – 2020/21	Pollinator Warden	In progress.
Stitch in Time	Manage invasive non-native and /or harmful species in line with the Pembrokeshire Nature Partnership's <i>Invasive Non-Native Species action plan</i> . Conserves and enhances carbon stored in soil and semi-natural habitat.	ENRaW funded project.	2019-2022	Project Co-ordinator Invasive Non-native Species	In progress.
Naturally Connected phase 2	Projects in place that build on past work and further help communities and tourism businesses engage in looking after the Park's ecosystem.	Dependent on securing funding.	Dependent on securing funding.	Fundraising Manager/ Ranger Service Manager	Dependent on securing funding.
Exploring opportunities for Partnership Projects relating to opportunities in foreshore and marine environment (Potential Projects.)	Work through long-established partnerships of relevant authorities to explore how we can support / enhance carbon sequestration in the marine environment.	Dependent on Project development and additional costs identified. Currently dedicating a small amount of money for project bids from the officers for the three European Marine Sites around the National Park coastline.	Officer Time. Dependent on Project development and additional costs identified.	Conservation Policy Officer	Idea only. Currently dedicating a small amount of money for project bids from the officers for the three European Marine Sites around the National Park coastline.

Responding to Climate Change Emergency: Biodiversity Land and Water Management Activities

Participation in Pembrokeshire Grazing Network and Pembrokeshire Wildfire Group	Enables conservation grazing by suitable stock. Reduces risk and severity of wildfires. Conserves and enhances carbon stored in soil and semi-natural habitat.	Ongoing Service.	Ongoing.	Farm Conservation Officer	In progress.
Engagement in Partnership Projects	Collaborate with others to secure funding and deliver joint projects that support activities that will assist biodiversity in the Park.	Officer Time	Ongoing.	Conservation Team	Involvement in partnership - Life Project Bid and Wales Coastal Management SMS Bid.

6. Community Engagement and Innovation

a) We are collaborating with Communities and supporting innovation to develop responses to the Climate Change Emergency.

Action	Purpose/ Outcome	Finance/ Resource	Timescale	Lead Officer	Status
SDF fund prioritisation of innovative projects that respond to climate change emergency.	Sustainable Development Fund is enabling communities both within and near the national Park to develop innovative initiatives that respond to the climate change emergency	SDF budget. Promotion/ Project Development support and admin costs.	2020/21 – Ongoing.	Director of Planning & Park Direction	Scheduled for 2020/21.
Greening our communities – collaborate with communities, local businesses and volunteers to carry out activities in response to climate change at a community level.	Develop opportunities through Rangers, Discovery, Wardens Teams and Centres engagement with communities (including schools and local businesses) to develop community level response to climate change. Including looking at opportunities at the Llanion site.	Additional funds will be required for specific projects where core/existing project funding does not cover costs/resources. However there is activity that can be undertaken that supports the objective – such as school grounds initiatives, educational activities, public events that won't require additional funding.	2020/21 – Ongoing.	Ranger Service Manager / Discovery Team Leader / Centre Managers	2020/21 - Explore and scope opportunities with relevant teams in the Authority. Progress will be affected by COVID 19 and will need to align with recovery planning for community and volunteering related activities.

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Collaborate with other National Park Authorities and AOBs on joint innovative projects	National Park Authorities and AONB's are developing, securing funding and delivering innovative projects jointly that respond to the climate change emergency.	Officer Time	2020/21 – Ongoing.	Senior Management Team/ Fundraising Manager	2020/21 – scope opportunities with other National Parks and AONBs.
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7. Climate Adaptation

a) We are putting in place mechanisms to support climate adaptation.

Nature of Activity Action	Purpose/ Outcome	Finance/ Resource	Timescale	Lead Officer	Status
Implementation of LDP 2 Policies Flooding and Coastal Inundation (Strategy Policy), Development in the Coastal Change Management Area, Relocation of existing permanent dwellings affected by coastal change and Relocation and replacement of development (other than residential) affected by coastal change – subject to Adoption of LDP 2.	Development will be directed away from those areas which are at risk from flooding now or as predicted for the future by TAN15 Development Advice Maps and/ or Shoreline Management Plan unless there is sound justification in accordance with Tan 15. Sustainable defence of the coast will be permitted where it can be demonstrated that the works are consistent with the management approach for the frontage presented in the relevant Shoreline Management Plan and there will be no unacceptable adverse landscape or environmental effects.	Ongoing Service through Planning.	LDP Plan 2 period (following adoption)	Head of Park Direction/ Director of Planning & Park Direction / Development Management – Team Leader	Awaiting adoption of LDP 2. Will be monitored through LDP 2 Annual Monitoring Report indicator.
Coast Path and Inland Rights of Way – Increasing Resilience to Winter Storm Damage	A rolling contingency plan to deal with major infrastructure damage caused by localised storms that are becoming a more regular occurrence due to the impact of climate change.	Ongoing need to secure funding - £20K per annum. This estimate is based on expenditure incurred over the last 18 months.	Ongoing.	Access Manager/ Operations Manger	Activities scheduled for 2020/21: Stabilisation and regrade stream junction onto the beach at Aberfforest. Proactive realignment of Coast Path at St Davids Head to make it more

Responding to Climate Change Emergency: Climate Adaptation

		This could fund contractors, materials, additional labour or compensation for Coast Path realignment depending on the nature of the storm damage.			resilient to coastal erosion and preserve continuity of route.
Development of Foreshore Management Plans	Appropriate Foreshore Management Plans are in place.	Officer Time.	Ongoing.	Ranger Service Manager	In progress – continued engagement with WAM steering group.
Engaging people with opportunities to record change, building on the work of Changing Coasts	Crowd sourced and other volunteering opportunities that help people take part in gathering evidence that records change.	Funding may be needed dependent on specific projects developed.	Ongoing.	Volunteer Officer	Changing Coast Project continuing.
Developing tools to engage with communities in the Park on Climate Change impact and adaptation	Authority is engaging with communities on the impact of climate change for the Park and people living in, working in and visiting it.	Funding may be needed dependent on tools identified.	2020/21	Discovery Team Leader	Links to engagement action plan group work on developing ongoing conversation about National Park Management Plan. Exploration of potential Place Plan on this theme.
Collaborate with partners to develop responses to the Environmental and Climate Change Risk Assessment for Pembrokeshire	Localised co-ordinated responses are in place to climate change risks.	Officer Time. Potential future funding needs depending on outcome of assessments.	Ongoing.	Conservation Policy Officer	A joint report for Pembrokeshire, Carmarthenshire and Ceredigion has been commissioned to assess past severe weather events, and to consider community vulnerabilities.

Responding to Climate Change Emergency – NPMP Delivery Action Plan: Update Record

Update Record

Last Updated	Notes
February 2020	Draft Action Plan
March 2020	Amended Plan for NPA Approval
May 2020	Timescales and Status Section Updated ready for NPA Approval

For further information on this delivery action plan or to provide progress updates please contact:

Mair Thomas (Performance and Compliance Co-ordinator) or Michel Regelous (Conservation Policy Officer)