



NOTICE OF MEETING

CABINET MEMBER FOR CLIMATE CHANGE AND THE GREEN RECOVERY

WEDNESDAY, 24 NOVEMBER 2021 AT 2PM

COUNCIL CHAMBER, SECOND FLOOR, THE GUILDHALL

Telephone enquiries to Jane Di Dino 023 9283 4060

Email: jane.didino@portsmouthcc.gov.uk

If any member of the public wishing to attend the meeting has access requirements, please notify the contact named above.

Information with regard to public access due to Covid precautions

- Attendees will be requested to undertake an asymptomatic/ lateral flow test within 48 hours of the meeting. Around one in three people who are infected with COVID-19 have no symptoms so could be spreading the virus without knowing it. Asymptomatic testing – getting tested when you don't have symptoms - helps protect people most at risk by helping to drive down transmission rates. We strongly encourage you to take up the habit of regular asymptomatic testing to help prevent the spread of coronavirus to your colleagues and residents you work with.
- We strongly recommend that attendees should be double vaccinated.
- If symptomatic you must not attend and self-isolate following the stay at home guidance issued by Public Health England.
- All attendees are recommended to wear a face covering while moving around within the Guildhall. • Although it will no longer be a requirement attendees may choose to keep a social distance and take opportunities to prevent the spread of infection
- Hand sanitiser is provided at the entrance and throughout the Guildhall. All attendees are encouraged to make use of hand sanitiser on entry to the Guildhall and are requested to follow the one way system in place.
- Attendees are encouraged book in to the venue (QR code). An NHS test and trace log will be retained and maintained for 21 days for those that cannot or have not downloaded the app.

Membership

Councillor Kimberly Barrett (Cabinet Member)

Councillor Charlotte Gerada

Councillor Claire Udy

Councillor Robert New

(NB This agenda should be retained for future reference with the minutes of this meeting).

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Deputations by members of the public may be made on any item where a decision is going to be taken. The request should be made in writing to the contact officer (above) by 12 noon of the working day before the meeting, and must include the purpose of the deputation (for example, for or against the recommendations). Email requests are accepted.

AGENDA

1 Apologies for Absence

2 Declaration of Members' Interests

3 Portsmouth City Council membership of UK100 (Pages 5 - 8)

Purpose

To provide information about Portsmouth City Council's membership of UK100.

RECOMMENDED that the Cabinet Member for Climate Change & the Green Recovery note this report.

4 Portsmouth Climate Festival (Pages 9 - 12)

Purpose

To provide information about the activity undertaken as part of Portsmouth Climate Festival and set out proposed next steps.

RECOMMENDED that the Cabinet Member for Climate Change & the Green Recovery note the report.

5 Portsmouth carbon maturity assessment (Pages 13 - 28)

Purpose

To provide information about the recent Carbon Maturity Assessment carried out for Portsmouth City Council by City Sciences and set out how this information will be used to inform further developments.

RECOMMENDED that the Cabinet Member for Climate Change & the Green Recovery note the report.

6 **Public Sector Decarbonisation Scheme** (Pages 29 - 34)

Purpose.

1. To update Cabinet on the delivery of the Public Sector Decarbonisation Scheme (PSDS), funded by Salix using money from the Department of Business Energy and Industrial Strategy (BEIS), which enables funded carbon and energy reduction measures to be installed in the Council-operated, corporate buildings portfolio.
2. To detail the latest progress made and grant monies spent; the numbers and types of interventions made, including solar panels, batteries, heating controls, building management systems (BMS), LED lighting and insulation measures.
3. To show in detail, at the time of writing the report, the monetary, carbon and energy savings that have been made by the project.

RECOMMENDED that the Cabinet Member for Climate Change & the Green Recovery note the report.

7 **Approach to Estate Decarbonisation**

This report will follow.

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Agenda Item 3



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(Please note that "Information Only" reports do not require Integrated Impact Assessments, Legal or Finance Comments as no decision is being taken)

Title of meeting:	Cabinet Member for Climate Change and the Green Recovery
Subject:	Portsmouth City Council membership of UK100
Date of meeting:	24 th November 2021
Report by:	Kelly Nash, Corporate Performance Manager
Wards affected:	n/a

1. Requested by

Cabinet Member for Climate Change and the Green Recovery

2. Purpose

2.1 To provide information about Portsmouth City Council's membership of UK100.

3. Information Requested

- 3.1 UK100 is a network of highly ambitious local government leaders, which seeks to devise and implement plans for the transition to clean energy that are ambitious, cost effective and take the public and business with them.
- 3.2 It supports decision-makers in UK towns, cities and counties in their transition to Net Zero. It is the only network for UK local leaders focused solely on climate, clean energy and clean air policy.
- 3.3 The most ambitious - the [Net Zero Local Leadership Club](#) - are doing everything within their power to get their communities to Net Zero as soon as possible, and by 2045 at the latest.
- 3.4 To accelerate the transition to this Net Zero society, UK100 brings together local authorities across the country to share knowledge, collaborate, and petition the UK government with their collective power.
- 3.5 Portsmouth City Council was approached to join the network and has done so enthusiastically. Through this membership, the council will have access to networks of leaders across the country to share knowledge and expertise, but also come together as a powerful force to advocate for the changes that need to be seen locally.

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- 3.6 The full pledge that has been signed by Portsmouth City Council to ensure that it plays a full part as a member of the network is attached as Appendix 1. This means that the council will:
- Act sooner than required by the Government's requirements to make substantial progress in the next decade
 - that as a network we will lobby for greater powers and funding to go further faster
 - that the council will do everything it can in its power and influence to make reductions in greenhouse gas emissions and
 - that the council will work with communities to build consensus around solutions.
- 3.7 As an early piece of work, the council is already seeking to engage with UK100 on their recently launched Local Power in Action programme, to support work on consensus building locally.

.....
Signed by Corporate Strategy Manager

Appendices:

Appendix 1 - UK100 membership pledge

Background list of documents: Section 100D of the Local Government Act 1972

The following documents disclose facts or matters, which have been relied upon to a material extent by the author in preparing this report:

Title of document	Location

Membership Pledge

The people who live in the cities, towns and villages we serve deserve warm homes, secure and affordable energy, clean air and water, and local and seasonal food. They deserve access to thriving nature and healthy landscapes, and to live in a place they can be proud of.

As **local leaders across the UK** we see the challenges our communities face. We recognise our responsibility to tackle the climate emergency and protect our environment to secure the future for them and for people around the world.

In 2019, the UK Parliament passed legislation to bring all greenhouse gas emissions to Net Zero by 2050. This was to keep in line with international commitment in the Paris Agreement to limit global warming to 1.5 degrees. But science tells us **we need to start now and make rapid reductions** much sooner.

We will do everything within our power and influence to rapidly reduce our greenhouse gas emissions. We will bring our **council emissions to Net Zero by 2030*** and we will work with our residents and businesses to bring our wider **communities' emissions in line with Net Zero as soon as possible** (and by 2045* at the latest).

We will continue to lead the UK's response to Net Zero, going ahead of the government goal and taking the first steps with urgency. We will make substantial progress within the next decade to deliver Net Zero. With greater powers, we would go further, faster.

We will be **bold and brave**, carrying out strong climate action now and building prosperous, secure and more resilient communities that are healthier, cleaner and safer, in ways that follow the science and are practical and achievable.

We pledge to **assess** our largest impacts on climate change, **prioritise** where action needs to be taken and **measure** and **monitor** progress towards targets. We will reduce our emissions at source and limit the use of carbon offsets, to play our part in the global effort to avoid the worst impacts of climate change.

As local leaders, **we are uniquely placed to help tackle the climate emergency**. We are closer to the people who live and work in our communities, so we have a better understanding of their needs. This means we can collaborate with them to build consensus for the solutions we need to transition to a Net Zero society that delivers multiple benefits and is fair, just and works for everyone.

We have come together from local authorities across the UK to share knowledge and collaborate with each other, with businesses and our residents to deliver action now. And we will also use our experience of our ability and achievements to advocate to the UK government in order to accelerate the transition to a Net Zero society.

As a nation, we have demonstrated throughout our history that we are able and willing to lead on finding solutions to the challenges the world faces. The success and prosperity of our nation has largely rested on our ability to harness the power of dirty fossil fuels. It is now our shared responsibility to turn this ingenuity to solving the climate emergency in a way that has a positive impact on our communities. **We need to ensure our future is better than our past.**

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Agenda Item 4



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(Please note that "Information Only" reports do not require Integrated Impact Assessments, Legal or Finance Comments as no decision is being taken)

Title of meeting:	Cabinet Member for Climate Change and the Green Recovery
Subject:	Portsmouth Climate Festival
Date of meeting:	24 th November 2021
Report by:	Kelly Nash, Corporate Performance Manager
Wards affected:	n/a

1. Requested by

1.1 Cabinet Member for Climate Change and the Green Recovery

2. Purpose

2.1 To provide information about the activity undertaken as part of Portsmouth Climate Festival and set out proposed next steps.

3. Information Requested

3.1 Portsmouth climate festival was an event to raise awareness of the climate challenges in the city, highlighting both the implications of climate change for Portsmouth, and the opportunities for us to make a positive difference. The event organisation was through a partnership of Portsmouth University, Portsmouth City Council and the Climate Action Board.

3.2 The intention of the festival was to bring together organisations and communities across the city in a range of events to link with the UK hosting the UN Climate Change Conference COP26. Portsmouth Climate Festival was intended as an opportunity for the city to explore issues related to the four main goals of COP26.

- Secure global net zero by mid-century and keep 1.5 degrees within reach
- Adapt to protect communities and natural habitats
- Mobilise finance
- Work together to deliver.

3.3 Portsmouth Climate Festival was held between Friday 22 October and Friday 12 November and featured a range of online and in-person events and activities, inspired by the need for urgent action on climate in Portsmouth. The format of the

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event was an "umbrella festival" with organisations, communities and individuals encouraged to submit ideas for events that they would run and administer, but which would be highlighted as part of an overall programme, with branding and publicity associated with this. It was the first event of its kind in the city.

- 3.4 The City Council and University took responsibility for organising anchor events for the festival, with the City Council hosting a reception on the opening day of the event as a launch, and the University organising a closing Question Time. The City Council ran the Big Climate Conversation at the Guildhall on the 9th and 10th of November showcasing the work that the council has going on to tackle this agenda featuring a number of speakers and exhibitors. The University held a number of events related to the Revolution Plastics work. Both organisations created a number of other events throughout the programme. The City Council led a successful funding bid to the South West Energy Hub for resource to develop events in support of the COP26 themes and this funding has enabled us to hire venues and develop materials (including the Festival website) at no additional cost to the partner organisations.
- 3.5 The programme also included a number of performances at venues across the city of the family-friendly mini-musical The Adventures of Florence and the Mermaid's Tears, produced by local company People and Stories, and funded by the Arts Council.
- 3.6 Other events on the programme included walks and talks, litter picks and shore cleaning, film screenings and participatory events including sustainable textiles and growing food. In total, around 40 events were promoted through the programme.
- 3.7 Full evaluation of the event needs to take place to understand how many people engaged and what the impact of this was, and also to consider next steps including whether there is appetite to run the event again next year and if so, what improvements or adjustments might need to be made.

.....
Signed by
Corporate Strategy Manager

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Appendices:**Background list of documents: Section 100D of the Local Government Act 1972**

The following documents disclose facts or matters, which have been relied upon to a material extent by the author in preparing this report:

Title of document	Location

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Agenda Item 5



THIS ITEM IS FOR INFORMATION ONLY

(Please note that "Information Only" reports do not require Integrated Impact Assessments, Legal or Finance Comments as no decision is being taken)

Title of meeting:	Cabinet Member for Climate Change and the Green Recovery
Subject:	Portsmouth Carbon Maturity Assessment
Date of meeting:	24 th November 2021
Report by:	Kelly Nash, Corporate Performance Manager
Wards affected:	n/a

1. Requested by

1.1 Cabinet Member for Climate Change and the Green Recovery

2. Purpose

2.1 To provide information about the recent Carbon Maturity Assessment carried out for Portsmouth City Council by City Sciences and set out how this information will be used to inform further developments.

3. Information Requested

3.1 In the lead up to COP26, Portsmouth City Council worked with City Sciences to complete a Carbon Maturity Assessment to look at the current strengths and weaknesses in our current climate strategy, and identify focus areas for our next revision.

3.2 The City Sciences model is the first independent audit for local authorities to help classify where they sit on a spectrum of preparedness for the climate emergency - 'carbon maturity' - to quantify the actions they are taking and to help prioritise what they should be doing next. The process was developed following on from research by the DecarboN8 network (<https://decarbon8.org.uk/>) which identified a diversity of responses across local authorities to the challenge of decarbonisation. The aim is to help us take stock, identify areas for improvement or enhanced scope, benchmark against other authorities, clarify and address barriers and prioritise next steps.

3.3 Repeated annually, the framework will enable demonstration of continued progress and momentum.

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- 3.4 The full report is attached at Appendix 1, but summary findings are:
- Overall, Portsmouth City Council is performing well and has a comprehensive range of programmes and activities addressing areas of Net Zero.
 - Portsmouth City Council is performing particularly well (60%) at Level 2, due to the presence of a comprehensive strategy that covers the majority of key areas.
 - At Level 4, Portsmouth is performing ahead of the peer group with respect to approaches to procurement and internal business cases.
- 3.5 The Carbon Maturity Assessment has identified 7 potential areas for improvement which are summarised in the recommendations section. The key recommendation is that strategies and plans are supported by quantified pathways broken down by sector and emissions sources. Improved quantification is expected to support management, prioritisation, coordination and monitoring of activities across sectors and departments while also supporting funding bids and business cases.
- 3.6 These recommendations will form the basis of the full review of Portsmouth City Council's climate strategy which will now be undertaken and presented back to Cabinet in February 2022.

.....
Signed by the Corporate Strategy Manager

Appendices:

Appendix 1 - Portsmouth Carbon Maturity Model report

Background list of documents: Section 100D of the Local Government Act 1972

The following documents disclose facts or matters, which have been relied upon to a material extent by the author in preparing this report:

Title of document	Location



Portsmouth City Council

*Carbon Maturity
Assessment Report 2021*



CITY SCIENCE
endless possibilities

Date issued: 15/10/2021
 Document status: Final
 Version number: 1.2

Document history:

Author	Version	Change reference
Jade Baker-Edwards	1.0	Consolidated Survey Analysis
Laurence Oakes-Ash	1.1	Review
Laurence Oakes-Ash	1.2	Final version following feedback

Prepared by:

Jade Baker-Edwards BEng (Hons) BSc (Hons) Energy & Sustainability Consultant

Approved by:

Laurence Oakes-Ash BSc FCMA CGMA MCIHT Director

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1 Executive Summary

- 1.1.1 This report provides an analysis of the current decarbonisation activities being progressed by Portsmouth City Council. The report is based on responses provided through a guided interview with council staff undertaken on the 21st September 2021. The report presents a snapshot of the activities being progressed today, however reference is made to initiatives that are in development, where these have been communicated.
- 1.1.2 Overall, Portsmouth City Council is performing well and has a comprehensive range of programmes and activities addressing areas of Net Zero. Portsmouth City Council is performing particularly well (60%) at Level 2, due to the presence of a comprehensive strategy that covers the majority of key areas. At Level 4, Portsmouth is performing ahead of the peer group with respect to approaches to procurement and internal business cases.
- 1.1.3 The Carbon Maturity Assessment has identified 7 potential areas for improvement which are summarised in the recommendations section. The key recommendation is that strategies and plans are supported by quantified pathways broken down by sector and emissions sources. Improved quantification is expected to support management, prioritisation, coordination and monitoring of activities across sectors and departments while also supporting funding bids and business cases. Further opportunities include engagement, reporting and freight as set out below:
- 1.1.4 **Engagement:** Portsmouth City Council already has lots of touch-points with communities through its extensive programmes of work. These engagement pathways provide a solid foundation and strong opportunity to increase engagement on climate-related issues. This could be enabled through a series of targeted dialogues, consultations, survey or wider engagement programme.
- 1.1.5 **Reporting:** Portsmouth City Council is including carbon in its procurement policies which should deliver clear impacts across the supply chain over time. There is an opportunity for the council to further increase its influence by including the scope of supply chain emissions within its targets. This will also support improved monitoring of the supply chain.
- 1.1.6 **Freight:** Portsmouth also has an opportunity within the decarbonisation of freight, an area that not many authorities are addressing and that currently isn't referenced in the Net Zero Strategy. Through partnership with the wider Solent LEP, Maritime Enterprise Zone and Solent Future Transport Zone there may be a range of opportunities for freight innovation and trials, supported by funding which could also support wider (e.g. electrical) infrastructure needs. Adding freight into the strategy may therefore provide a 'quick win'.

2 Carbon Maturity Model Background

- 2.1.1 This Carbon Maturity Model was developed to support local authorities in understanding their current approach to decarbonisation. The process was developed following on from research by the DecarboN8 network (<https://decarbon8.org.uk/>) which identified a diversity of responses across local authorities to the challenge of decarbonisation. The Carbon Maturity Model provides a tool through which local authorities can assess their current position across a range of decarbonisation activities.
- 2.1.2 The assessment covers five broad levels of activities which are categorised into ‘levels’. A brief summary description of what each level covers is set out below (Figure 1). In practice we find that local authorities often have activities within each levels, but performance in some areas will be stronger than in others. The assessment therefore provides an analysis of the strengths and improvement areas within each level with the aim of helping local authorities identify opportunities to strengthen their climate response.
- 2.1.3 Input Data for this report was provided through a guided survey session with the Portsmouth team. The analysis shown within this report is enabled by a careful categorisation of each survey question into associated ‘basic’, ‘intermediate’ and ‘advanced’ activities within each level.

Level 1 Climate Aware	Climate Aware organisations have declared a climate emergency and have developed clear targets for their regional response
Level 2 Carbon Conscious	Carbon Conscious organisations have developed a Net Zero Strategy, have quantified the impacts of different activities and established a monitoring and review process
Level 3 Carbon Activist	Carbon Activist organisations have developed a funded, multi-year pipeline of activities to deliver Net Zero across all sectors
Level 4 Carbon Leader	Carbon Leader organisations have embedded Net Zero thinking in all processes, policies and activities and as a result are leaders in their response to climate change
Level 5 Carbon Influencer	Carbon Influencer organisations have fully formed external programmes and are influencing and innovating to deliver change in hard-to-decarbonise sectors

Figure 1: Summary of the Levels of Assessment within the Carbon Maturity Model

- 2.1.4 Further details on the Carbon Maturity Model can be found [here](#).

3 Analysis Overview

3.1.1 Figure 2 shows the summary analysis for Portsmouth City Council. This aggregate view masks the detailed scores in each Level. Here we find that Portsmouth scores very highly on the Foundational questions across each level, indicating a solid foundation upon which to build. Portsmouth City Council is performing particularly well (50%) at Level 2, due to the presence of a comprehensive strategy. At Level 4, Portsmouth is performing ahead of the peer group with respect to approaches to procurement and internal business cases. Portsmouth is also showing strength at Level 5 due to a comprehensive series of existing externally-focused programmes and activities.

3.1.2 Scores at Level 1 could be improved through stronger quantification of targets and activities, linking these through to specific sectors and emissions sources. This would also support improvements at Level 3 and higher, enabling Portsmouth to quantify the full costs of delivering Net Zero and wider co-benefits such that the internal business case can be made for long-term funding.

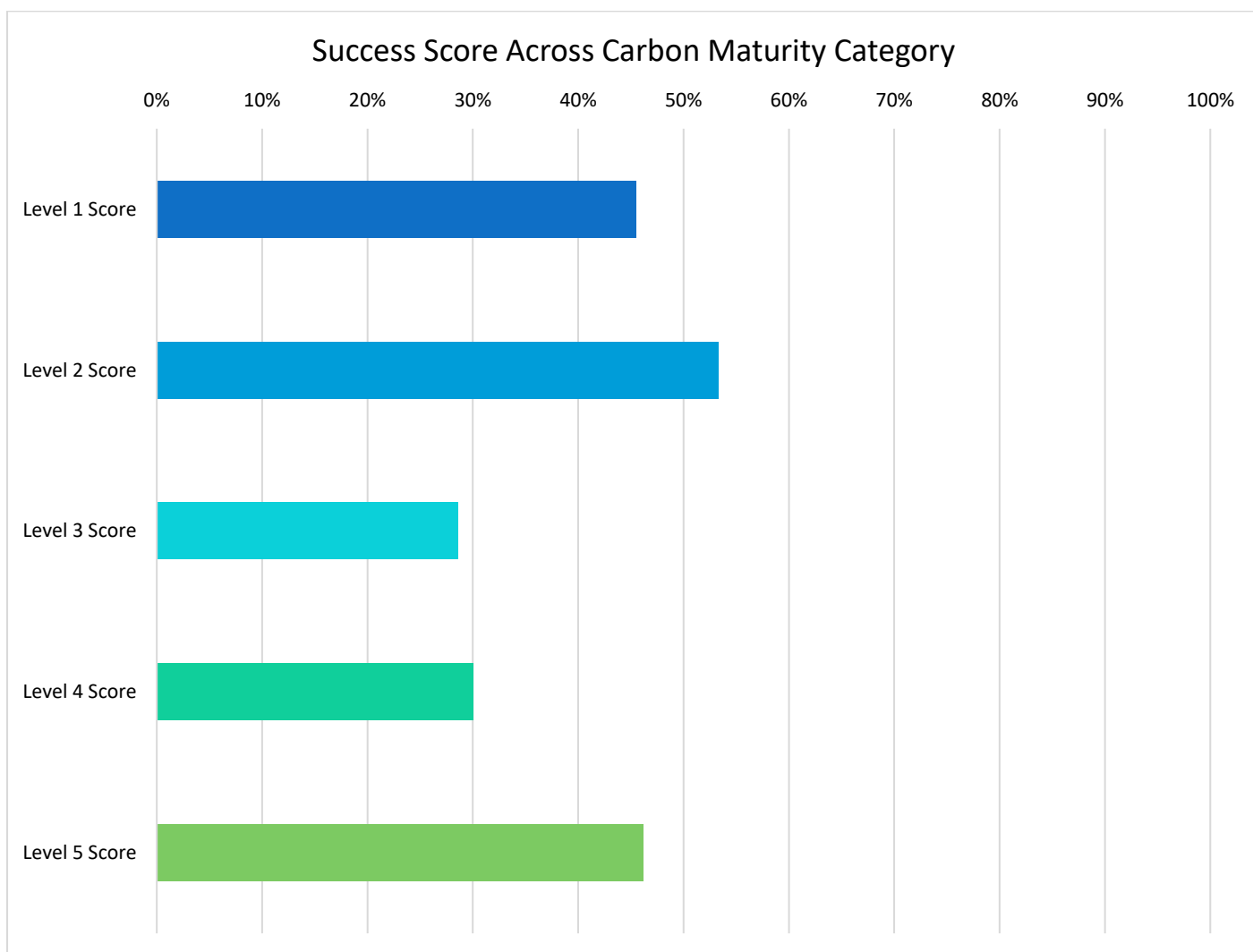


Figure 2: Success Score Across Carbon Maturity Category / Level

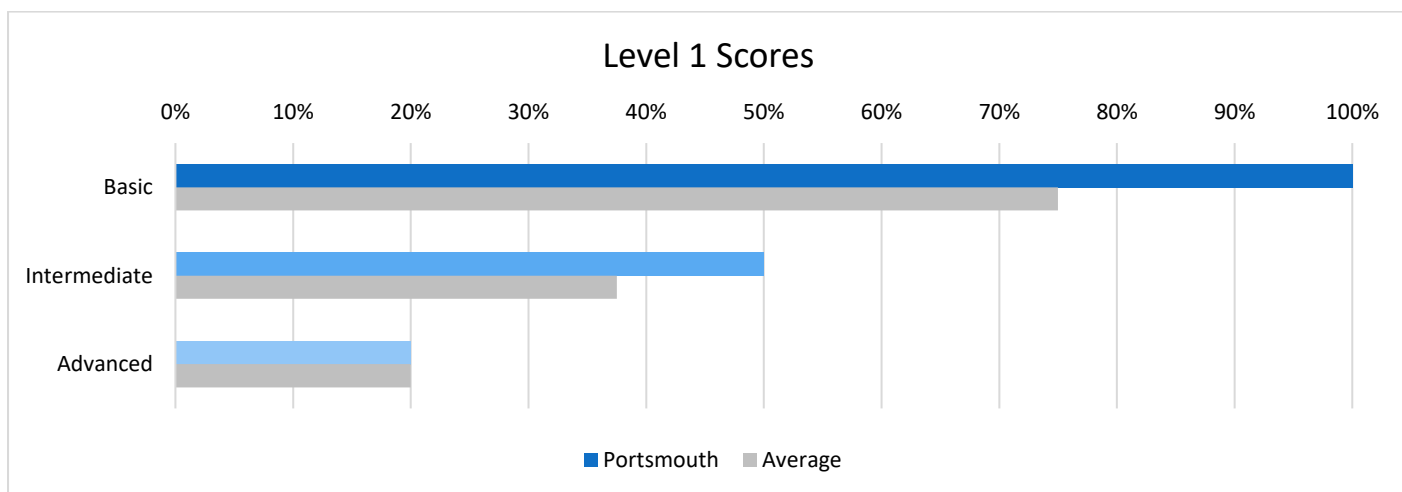
4 Detailed Summary by Level

4.1 Level 1 Activities

Level 1

Climate Aware

Climate Aware organisations have declared a climate emergency and have developed clear targets for their regional response



4.1.1 Level 1: Summary of Current Position

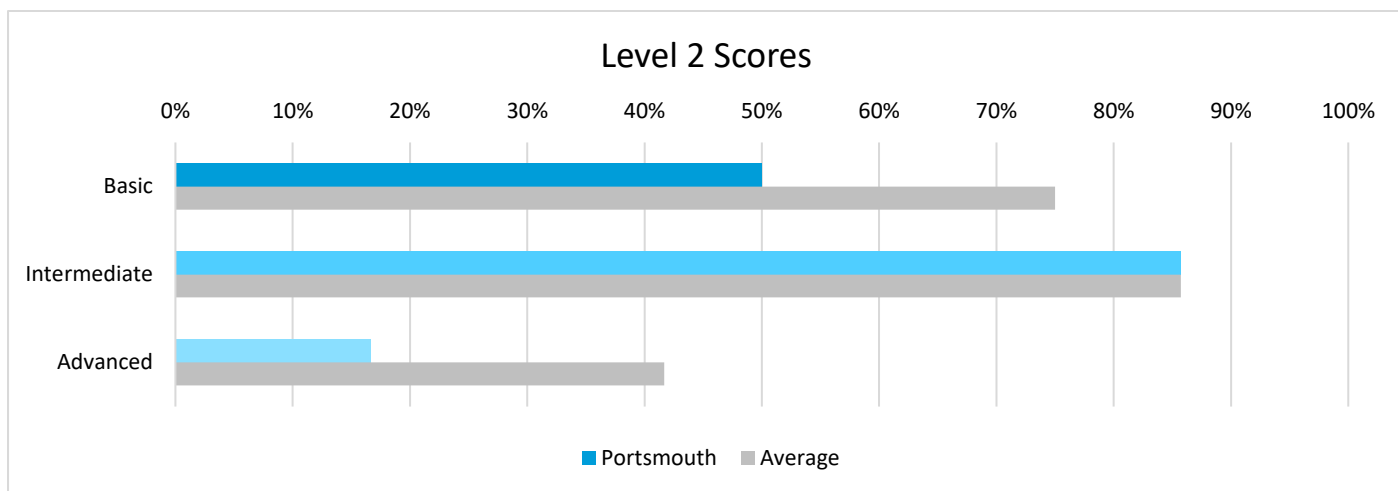
Level 1 Summary	
Basic Level	Portsmouth has declared a climate emergency and developed Net Zero targets for the region.
Intermediate Level	<p>Portsmouth’s targets cover Scopes 1, 2 and 3 and includes target carbon emissions for the corporate estate. Targets could also be strengthened through the development of interim targets, for example aligned to the Government’s own interim target for a 78% reduction by 2035, which will help with monitoring and management of progress over the nearer-term.</p> <p>The City has not yet consulted on regional targets, surveys could also be undertaken to assess current views. Further consultation could provide an opportunity to engage communities in the shared responsibility to decarbonise.</p>
Advanced Level	At the advanced level, Portsmouth has identified data that covers all GHG emission sources across the region. This information could be used to develop targets for individual sectors which could support roll-out of quantified action plans across transport, housing and businesses. A further opportunity is to consider the role of wider emissions from consumption and the influencing role the council can have.

4.2 Level 2 Activities

Level 2

Carbon Conscious

Carbon Conscious organisations have developed a Net Zero Strategy, have quantified the impacts of different activities and established a monitoring and review process



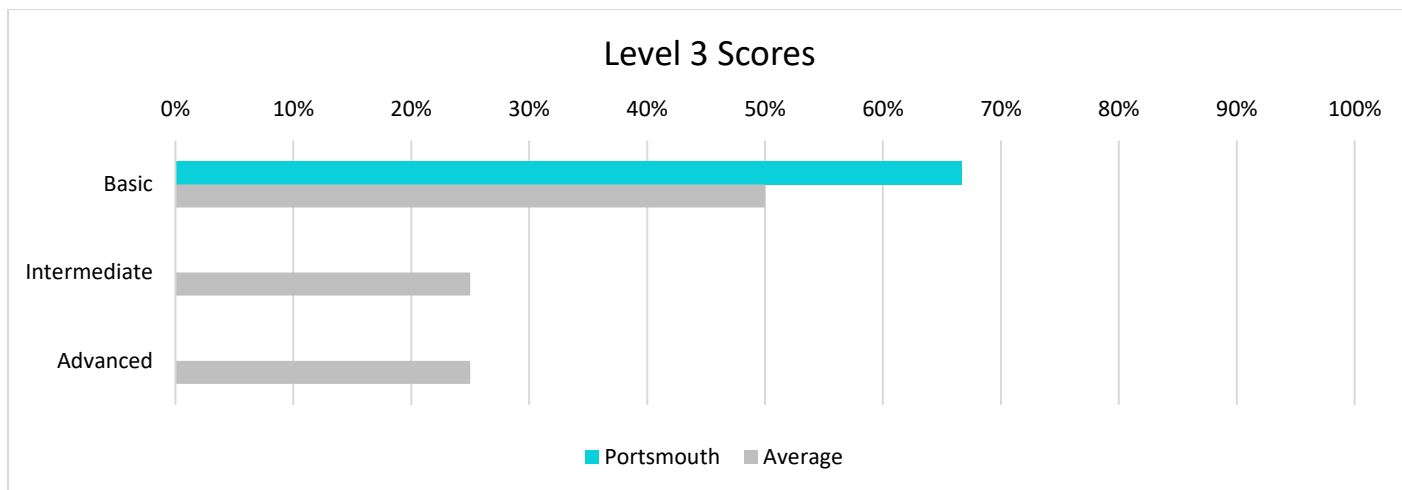
4.2.1 Level 2: Summary of Current Position

Level 2 Summary	
Basic Level	Portsmouth has developed a Net Zero Strategy and but has not undertaken citizen engagement to understand local climate issues.
Intermediate Level	Portsmouth’s Net Zero Strategy is broad and covers emissions from social housing, private housing and businesses. Portsmouth is also translating the strategy into carbon budgets/targets for individual departments within the Council. Transport decarbonisation and electric vehicle strategies exist, however the breadth could be extended by developing a strategy for decarbonising freight, with the opportunity to link to the decarbonisation plans understood to be in development at the Port.
Advanced Level	A regular reporting, monitoring and evaluation process is in place to ensure timely delivery of Portsmouth’s Net Zero Strategy. At the Advanced Level, the Net Zero strategy could be strengthened by quantifying key emission drivers and developing pathways for individual sectors and emissions sources. This would support coordination, delegation of responsibilities and more granular monitoring and evaluation.

4.3 Level 3 Activities

Level 3
Carbon Activist

Carbon Activist organisations have developed a funded, multi-year pipeline of activities to deliver Net Zero across all sectors



4.3.1 Level 3: Summary of Current Position

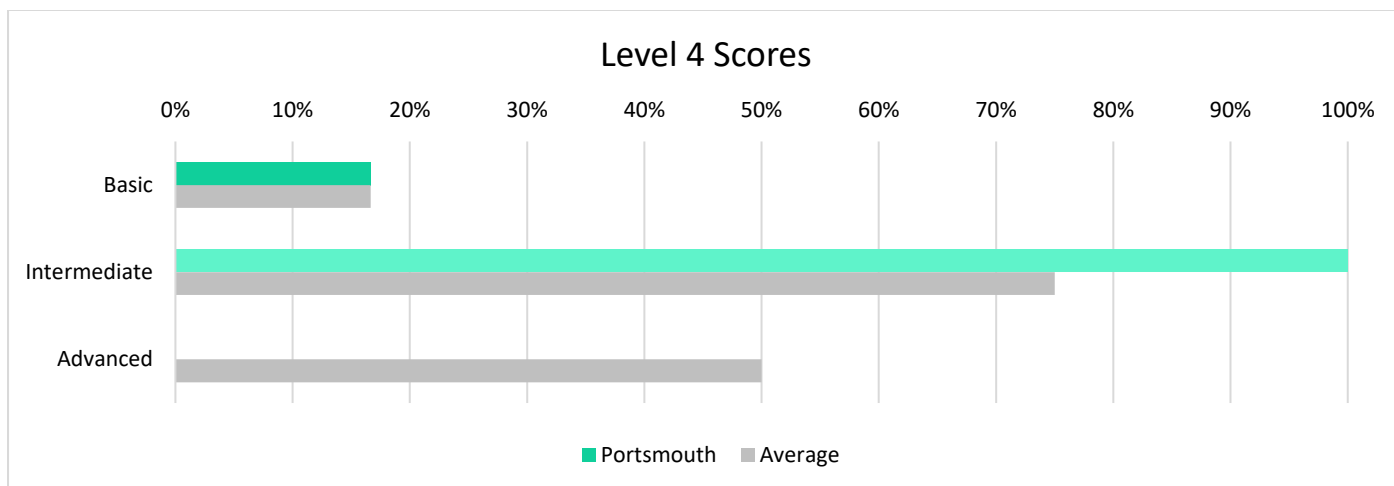
Level 3 Summary	
Basic Level	Portsmouth has a defined and resourced a clear set of decarbonisation activities for the next two years. The funding and resources required for the activities have been committed, however, the associated carbon savings have not been fully estimated.
Intermediate Level	The City has not defined the required decarbonisation activities beyond the next two years and has not quantified the full cost of delivering the Net Zero target. Authorities scoring highly in this area are creating a clear link between delivery of the Net Zero target and annual updates to the Medium-Term Financial Strategy.
Advanced Level	Currently, funding activities are not being undertaken to secure funding to cover the costs of delivering the Net Zero target. Additionally, no annual monitoring and forecasting processes are in place to ensure continued funding and delivery. Authorities scoring highly in this area are creating a clear link between delivery of the Net Zero target and annual updates to the Medium-Term Financial Strategy and exploring a wide range of funding mechanisms to support delivery of Net Zero.

4.4 Level 4 Activities

Level 4

Carbon Leader

Carbon Leader organisations have embedded Net Zero thinking in all processes, policies and activities and as a result are leaders in their response to climate change



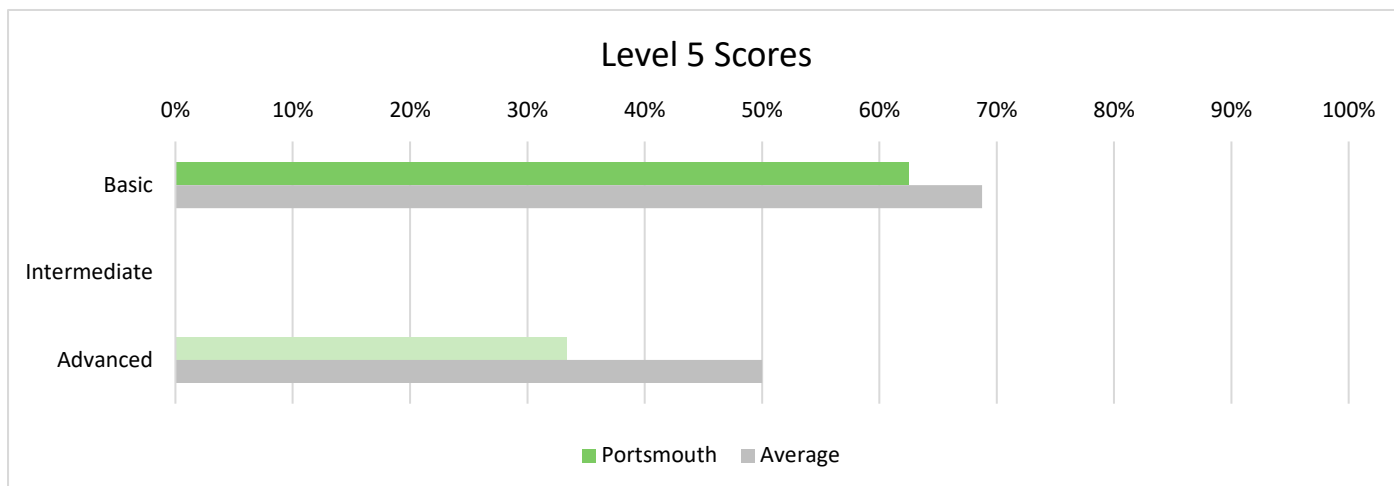
4.4.1 Level 4: Summary of Current Position

Level 4 Summary	
Basic Level	<p>Portsmouth has a Local Cycling and Walking Infrastructure Plan (LCWIP) which covers the full extent of the authority. Portsmouth is systematically updating policies in light of Net Zero strategy and targets but has not yet completed a full policy review to ensure alignment.</p> <p>Policy alignment could be supported through quantifying the carbon impacts of both the Local Plan and the Local Transport Plan and through the development of a Clean Growth Strategy.</p>
Intermediate Level	<p>Portsmouth has embedded Carbon Impact Assessments in all business cases. The Council positively impacts the region’s wider carbon footprint by adhering to procurement policies that monitor and encourage decarbonisation of the supply chain.</p>
Advanced Level	<p>Portsmouth has not developed a reporting framework for GHG emissions that is aligned to recognised standards. Standards such as ISO 14060 or the Greenhouse Gas Protocol, can be used to provide clarity and consistency in quantifying, monitoring, reporting and validating and verifying GHG emissions. To embed carbon literacy across all functions on an ongoing basis, a skills plan could be developed to support staff in understanding how the Net Zero law is likely to increasingly impact their work.</p>

4.5 Level 5 Activities

Level 5
Carbon Influencer

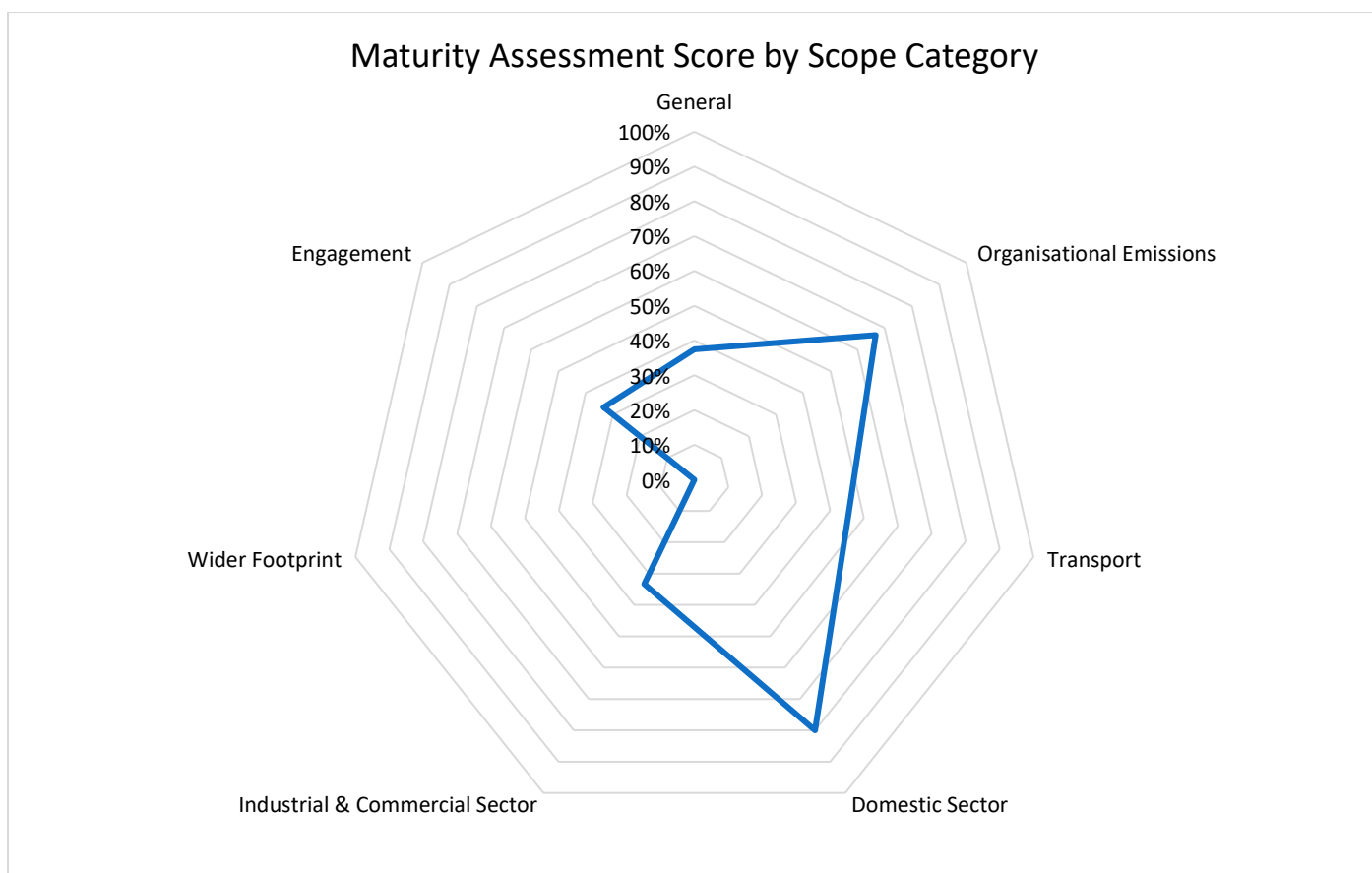
Carbon Influencer organisations have fully formed external programmes and are influencing and innovating to deliver change in hard-to-decarbonise sectors



4.5.1 Level 5: Summary of Current Position

Level 5 Summary	
Basic Level	<p>Portsmouth has a broad base of externally-focused programmes with coverage including the domestic sector, social housing, private dwellings, personal transport planning, modal shift and vehicle electrification.</p> <p>Decarbonisation can be further supported by developing externally-focused programmes for businesses, commercial and industrial sectors, Travel Demand Management and opportunities for Offsetting/Insetting.</p>
Intermediate Level	<p>At the Intermediate level, Portsmouth could consider undertaking a gap analysis to identify additional powers and delivery mechanisms that are required to reach Net Zero. External dialogue activities could be undertaken to encourage buy-in and support other sectors in addressing structural delivery gaps and challenges.</p>
Advanced Level	<p>A programme of engagement to support industrial and commercial stakeholders in decarbonisation is in place. To improve at Advanced level, a strategic programme of innovation projects could be utilised to unlock new delivery mechanisms. Additionally, engagement with central government to ensure the powers and funding required to deliver Net Zero are provided will be beneficial.</p>

5 Summary of Activities by Type



Summary by Sector	
General	Portsmouth has a comprehensive range of activities underway that will support Net Zero. The predominate areas for improvement relate to the quantification of reduction pathways for individual sectors that will improve the council’s ability to manage and monitor change. There is also an opportunity to strengthen all programmes by ensuring long-term funding is understood and allocated.
Organisational Emissions	The organisational activities are strong, including specific targets for the organisation and carbon being considered in business cases and procurement policies. Further improvements could include corporate reporting in line with a recognised standard and skills development to support carbon literacy.
Transport	There are clear strengths to the response to transport – for example, Portsmouth has an Electric Vehicle Strategy and Local Cycling and Walking Infrastructure Plan. To strengthen activities in this area it will be beneficial to quantify the GHG emissions within the Local Transport Plan and Local Plan linked to a quantified pathway for the sector.
Domestic Sector	Portsmouth considers the role of social housing and private dwellings within the Net Zero strategy and has activities to support decarbonisation in these areas. The score could be improved by ensuring the decarbonisation pathway for these sectors is quantified and linked to the delivery plans.

Industrial & Commercial Sector	While the Industrial and Commercial Sector is included in the Net Zero Strategy, responses indicate that alongside further quantification of the pathway in this area, activities could be expanded to provide wider support.
Wider Footprint	Portsmouth is including carbon in its procurement policies which should deliver clear impacts to the supply chain. However, Scope 3 emissions and emissions from consumption are currently not included in targets or reporting. There is an opportunity for the council to increase its influence by including these and monitoring the progress of its supply chain.
Engagement	Portsmouth has a comprehensive range of activities underway and multiple channels where it is engaging with specific sectors. These engagement pathways provide a solid foundation and strong opportunity to increase engagement on climate-related issues. This could be enabled through a series of targeted dialogues, consultations, survey or wider engagement programme.

6 Recommendations for Next Steps

6.1.1 Level 1 Recommendations:

- **Recommendation 1:** Portsmouth has a comprehensive plan and set of existing activities. Improved quantification will support these activities by providing the council with the tools to manage, prioritise, coordinate and monitor activities across sectors and departments. This will also support funding by evidencing the cost-effectiveness of interventions.
- **Recommendation 2:** Portsmouth has lots of touch-points with communities through its extensive programmes of work. These engagement pathways provide a solid foundation and strong opportunity to increase engagement on climate-related issues. This could be enabled through a series of targeted dialogues, consultations, survey or wider engagement programme.
- **Recommendation 3:** Portsmouth is including carbon in its procurement policies which should deliver clear impacts to the supply chain. However, Scope 3 emissions and emissions from consumption are currently not included in targets or reporting. There is an opportunity for the council to increase its influence by including these and which can also improve monitoring of the supply chain.

6.1.2 Level 2 Recommendations:

- **Recommendation 4:** Portsmouth has an opportunity to be a leader in the decarbonisation of freight, in partnership with the wider Solent LEP and Maritime Enterprise Zone. Inclusion of freight within the Net Zero strategy, is likely to be a necessary step to achieving Net Zero, but also a source of opportunities and funding.

6.1.3 Level 3 Recommendations:

- **Recommendation 5:** Financial support for Net Zero delivery programmes will be essential for success. As a first step, Portsmouth should seek to quantify the likely costs of a programme over the next 2 years, next 5 years and into the longer-term. The 5-year projections should be consulted on internally and agreed funding included in the Medium-Term Financial Strategy. This analysis will also inform the scale of external funding that will be needed.

6.1.4 Level 4 Recommendations:

- **Recommendation 6:** Adoption of a recognised international reporting standard will demonstrate local leadership and support wider understanding of the core emissions sources and progress towards Net Zero.

6.1.5 Level 5 Recommendations:

- **Recommendation 7:** Portsmouth could benefit from a policy review to ensure alignment of all existing policies to Net Zero. This could include a gap analysis to identify additional powers and delivery mechanisms that will be required to fully achieve local aspirations.

Agenda Item 6



Portsmouth
CITY COUNCIL

THIS ITEM IS FOR INFORMATION ONLY

(Please note that "Information Only" reports do not require Integrated Impact Assessments, Legal or Finance Comments as no decision is being taken)

Title of meeting:	Cabinet Member for Climate Change and the Green Growth Recovery
Subject:	The Public Sector Decarbonisation Scheme
Date of meeting:	24 th November 2021
Report by:	James Hill, Director of Housing, Neighbourhood and Building Services
Author:	Andrew Waggott, Energy Services Team Manager
Wards affected:	All

1 Requested by the Leader of the Council, the Cabinet Member for Community Safety & Environment and the Cabinet Member for Climate Change and the Green Recovery

2 Purpose

- 2.1 To update Cabinet on the delivery of the Public Sector Decarbonisation Scheme (PSDS), funded by Salix using money from the Department of Business Energy and Industrial Strategy (BEIS), which enables funded carbon and energy reduction measures to be installed in the Council-operated, corporate buildings portfolio.
- 2.2 To detail the latest progress made and grant monies spent; the numbers and types of interventions made, including solar panels, batteries, heating controls, building management systems (BMS), LED lighting and insulation measures.
- 2.3 To show in detail, at the time of writing the report, the monetary, carbon and energy savings that have been made by the project.

3 Information Requested

The Leader of the Council, the Cabinet Member for Climate Change and the Green Recovery and the Cabinet Member for Community Safety and Environment have requested an update to the progress of the Public Sector Decarbonisation Scheme (PSDS).

4 Background:

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- 4.1 PSDS funding was launched in September 2020 funded by BEIS and delivered by Salix, with a deadline for application in January 2021.
- 4.2 The energy services team, working with colleagues across the wider building services teams and contractors, identified and costed a large number of potential projects eligible for the scheme, including:
- Cavity wall insulation
 - Loft insulation
 - LED lighting
 - Solar panels
 - Batteries
 - BMS
 - Heating controls
- 4.3 A carbon and financial appraisal tool, supplied by Salix, and populated with energy data and estimated capital costs was used to identify qualifying projects that would give appropriate levels of carbon reductions. Based on this analysis, the Council bid for £1.86 million.
- 4.4 The Council were informed that the bid was successful in March 2021, with an initial deadline of September 2021 to spend the allocated funding of £1,862,383. This deadline was later extended to 31st March 2022, after it became apparent to Salix that there were significant nationwide delays with the expenditure of the funding brought about by supply chain issues.
- 4.5 The sites to receive measures include schools, sheltered housing blocks, offices and libraries. A full list of sites, and the measures undertaken at each, can be found in Appendix A.
- 4.6 The PSDS is primarily concerned with reducing lifetime carbon emissions from the sites treated, and therefore focusses heavily on buildings' use of heat, and the natural gas used to create it. The PSDS funding stipulates that a heat decarbonisation strategy must be put in place for each building treated under the funding; with a deadline for submission to Salix in line with the deadline for the funding spend.
- 4.7 The work was managed by officers from the energy services, building projects and building engineering services teams. Works were procured from existing frameworks and services providers.
- 4.8 PSDS is entirely concerned with decarbonisation of buildings in the operational buildings' portfolio. As a result, the vast majority of domestic properties owned and maintained by the Council are excluded from the scheme. For further information relating to carbon reduction efforts in domestic properties, please refer to the

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Switched On Impact and Warmer Homes Project Report Cabinet reports in section 100D.

5 Key Impacts

- 5.1 PSDS, having had its deadline extended from September 2021 to March 2022, is still a live project. As such, some sites and measures could be subject to change before the end of the project once works begin at the sites. Any changes to sites and measures are required to be agreed with the funders.
- 5.2 The table below shows the numbers of sites treated and the types of energy conservation measures (ECM) installed. These figures reflect the total numbers to the end of the project in March 2022:

Measures Installed	Number of Sites	Total Spend
Cavity Wall Insulation	20	£393,000
Loft Insulation	10	£111,000
Solar PV Systems	6	£227,000
Batteries	15	£225,000
BMS	7	£455,000
Heating Controls	18	£230,000
LED Lighting	5	£185,000
Totals	81 ECM on 50 different sites	£1.86 m

- 5.3 The table below shows the energy and carbon savings, calculated by the Salix-supplied model. Note that electricity carbon reductions are subject to carbon factor digression as grid-supplied electricity decarbonises over time, whereas natural gas carbon factors remain relatively static:

Measures Installed	Energy saved	Annual Energy Saving (kWh)	Annual Financial savings	Annual Carbon Saving (tn/CO ₂ e)
Cavity Wall Insulation	Gas	521,000	£15,000	95.80
	Electricity	25,000	£5,000	1.61
Loft Insulation	Gas	166,000	£5,000	30.58
Solar PV Systems	Electricity	138,000	£27,000	10.19
Batteries	Electricity	<i>Integrated in PV savings</i>		
BMS	Gas	201,000	£6,000	36.95
Heating Controls	Gas	432,000	£13,000	79.49
LED Lighting	Electricity	76,000	£15,000	5.36
Totals		1,559,000	£86,000	260 tonnes

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- 5.4 The figures above show the total estimated annual carbon saving to be 260 tonnes, which represents around 15% in the buildings treated.
- 5.5 Overall, the levelized cost per measure per tonne of carbon saved is £314.85. By using this as the key metric when awarding the funding, it heavily biases projects which make a saving in gas usage; those that improve insulation values or heating systems. These projects give the best value per tonne of carbon saved.
- 5.6 Of the measures included in the project, batteries make no direct carbon saving. However, they are allowable under the project because they enable low carbon (air source heat pump) heating systems to be installed, without having a big impact on the running costs of the building.
- 5.7 Running costs across all sites related to energy are estimated to be £86,000 in year one using estimated power and gas prices for 2022.

6 Secondary Impacts

- 6.1 As well as reducing carbon emissions and running costs, the PSDS project has also enabled local employment. Using the Salix-supplied guidance, it was estimated that 50 jobs in the low-carbon sector would be supported through the delivery of the funding. This includes all internal and external project managers, designers, contractors and labour.
- 6.2 The properties treated, particularly those with insulation measures, will improve thermal comfort for users of the buildings.
- 6.3 For each site a decarbonisation of heat strategy will be produced. These strategies will be used to plan and programme future work, and bid for future grant funding schemes, either under PSDS or other opportunities.

7 Next Steps

- 7.1 The Council will continue to deliver measures funded by PSDS up to the end of March 2022. A number of projects are still yet to be completed, including lighting, BMS and heating controls.
- 7.2 The Council will continue to work up heat decarbonisation plans for all 50 buildings treated under the PSDS scheme.
- 7.3 Buildings treated with measures under PSDS will be subject to ongoing monitoring of energy use to ensure that projected savings are realised.

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7.4 PSDS has highlighted the need for further projects to be easily identifiable for short-term funding opportunities. The Council is aligning its energy auditing processes to the key metrics in the PSDS funding application. This will allow for fast and accurate funding bids to be submitted in future.

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Signed by James Hill - Director of Housing, Neighbourhood and Building Services

Appendices:

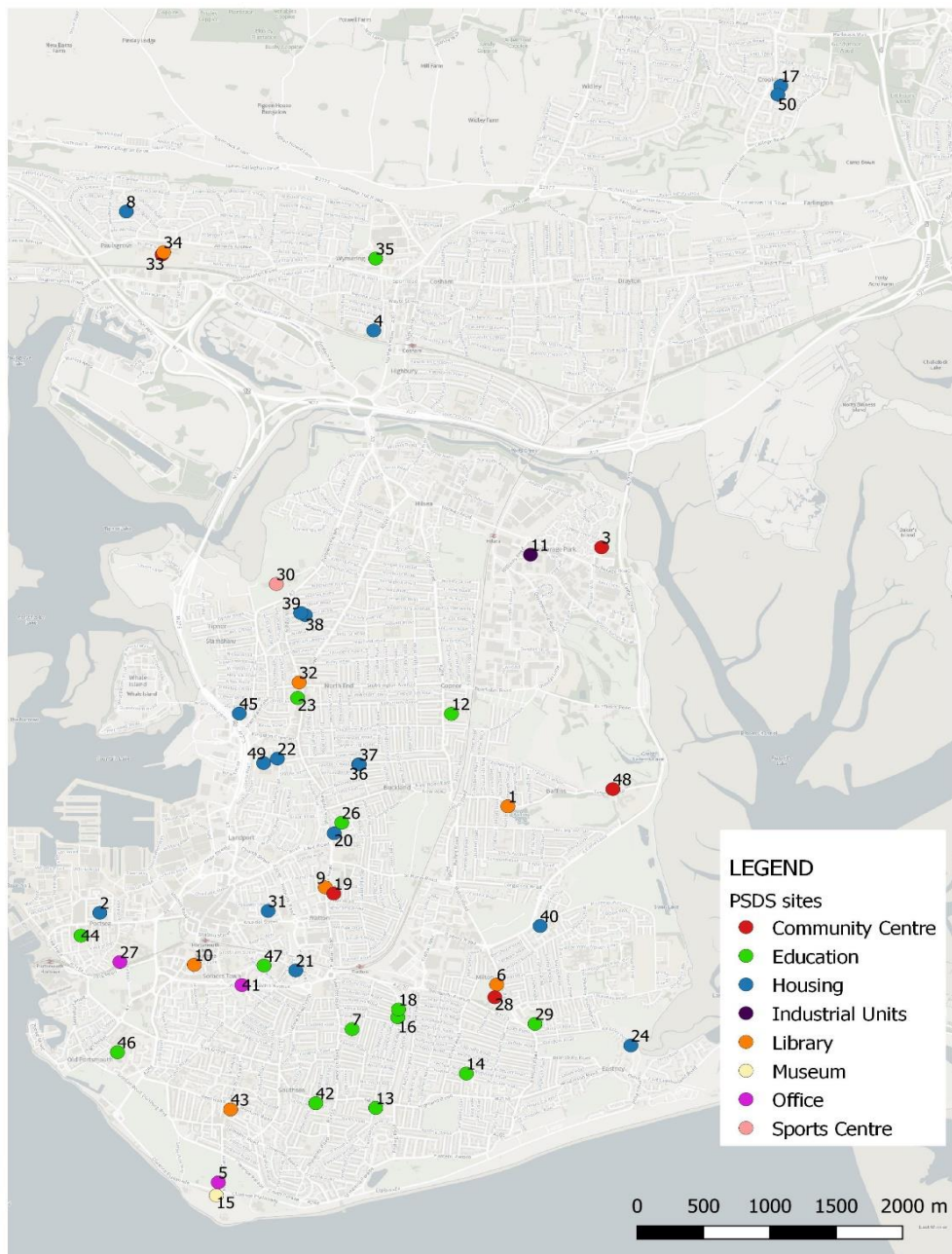
- Appendix A: Complete List of Sites and Measures

Background list of documents: Section 100D of the Local Government Act 1972

The following documents disclose facts or matters, which have been relied upon to a material extent by the author in preparing this report:

Title of document	Location
Portsmouth City Council Climate Strategy	https://democracy.portsmouth.gov.uk/documents/s25687/Response%20to%20Climate%20Emergency%20Strategy%20appendix%20A.pdf
Switched On Impact Report - Cabinet Paper (October 2021)	https://democracy.portsmouth.gov.uk/documents/s32456/Switched On Portsmouth Impact Report - Cabinet - Noting Report.pdf
Warmer Homes Project - Cabinet Paper (November 2021)	https://democracy.portsmouth.gov.uk/documents/s34950/Warmer%20Homes%20Project.pdf

Appendix A - Complete List of Sites and Measures



PSDS projects funded on Portsmouth City Council buildings.

updated 28/10/2021
(still a live project)

Num	Site Name	Category	Cavity Wal	Loft Insul	Solar PV	Batteries	BEMS	Lighting
1	Alderman Lacey Library	Library	X					
2	Alexander McKee House	Supported Housing				X		
3	Anchorage Park Community Centre/Lodge	Community Centre		X				
4	Arthur Dann Court	Sheltered Housing		X	X	X	X	
5	Avenue De Caen (Resort Service)	Office	X					
6	Beddow Library	Library	X					
7	Bramble Infant School & Nursery	School	X				X	
8	Bresler House	Sheltered Housing			X	X	X	
9	Carnegie Library	Library					X	X
10	Central Library	Library					X	
11	Challenge Enterprise Centre	Industrial Units	X					
12	Copnor Primary School	School	X	X			X	
13	Craneswater Junior School	School					X	
14	Cumberland Infant School	School					X	
15	D-Day Museum	Museum	X					
16	Devonshire Infant School	School		X			X	
17	Elsie Fudge House	Sheltered Housing		X	X	X	X	
18	Fernhurst Junior School	School	X	X				
19	Fratton Community Centre	Community Centre						X
20	Hale Court	Sheltered Housing	X					
21	Ian Gibson Court	Sheltered Housing			X	X	X	
22	John Marshall Court	Sheltered Housing			X	X	X	
23	Learning Place	Education	X					
24	Lightfoot Lawn	Supported Housing				X		
25	Lyndhurst House	Sheltered Housing		X	X	X		
26	Manor Infant School	School	X				X	
27	Milldam House (Registrar)	Office					X	X
28	Milton Park / Milton Village Hall	Community Centre	X	X				
29	Milton Park Junior & Primary School	School					X	
30	Mountbatten Centre	Sports Centre	X					
31	Nicholson Gardens	Sheltered Housing				X	X	
32	North End Library	Library						X
33	Paulsgrove Community Centre (PCC Owned / HNB Remit)	Community Centre	X					
34	Paulsgrove Library	Library	X					
35	Portsmouth Primary School	School	X					
36	Queens Road (96)	Supported Housing	X			X		
37	Queens Road (98)	Supported Housing				X		
38	Shadwell Road (93)	Supported Housing				X		
39	Shadwell Road (96)	Supported Housing				X		
40	Shearwater	Care Home						X
41	Somerstown Central (Hub)	Office					X	
42	Southsea Infant School	School					X	
43	Southsea Library	Library						X
44	St Georges Beneficial CE Primary School	School	X				X	
45	St Johns Court	Sheltered Housing					X	
46	St Judes CE Primary School (Voluntary Controlled)	School	X				X	
47	Sure Start Somerstown Childrens Centre	Education	X				X	
48	Tangier Road Childrens Home	Community Centre		X			X	
49	Templefield Court	Supported Housing				X		
50	Wakefield Court	Sheltered Housing		X		X	X	