



## **Climate and environment emergency executive panel**

**Date:** Tuesday, 22 March 2022

**Time:** 16:30

**Venue:** Council chamber, City Hall, St Peters Street, Norwich, NR2 1NH

### **Committee members:**

#### **Councillors:**

Hampton (chair)

Stonard (vice chair)

Carlo

Lubbock

Oliver

Osborn

Thomas (Va)

### **For further information please contact:**

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Democratic services

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## Agenda

### Page nos

- |   |   |         |
|---|---|---------|
| 1 | <b>Apologies</b>  |         |
|   | To receive apologies for absence  |         |
| 2 | <b>Declarations of interest</b>   |         |
|   | (Please note that it is the responsibility of individual members to declare an interest prior to the item if they arrive late for the meeting)  |         |
| 3 | <b>Minutes</b>  | 5 - 8   |
|   | To approve the accuracy of the minutes of the meeting held on 19 October 2021   |         |
| 4 | <b>Environment Strategy Team Update</b>   | 9 - 16  |
|   | To update the panel on the environment team and work programme  |         |
| 5 | <b>Report of Progress on the Installation of an Air Source Heat Pump at City Hall</b>   | 17 - 28 |
|   | <b>Purpose</b> - The purpose of this report is to update the committee on the work underway to install a low carbon heating system at City Hall and to present the future programme of works.   |         |
| 6 | <b>Report of Recent Community Engagement Activities Relating to Biodiversity</b>  | 29 - 40 |
|   | <b>Purpose</b> - The purpose of this report is to update the committee on recent community engagement activity around biodiversity, seek the panel's own views on this topic, and receive views on additional consultation opportunities to inform next steps in developing the Biodiversity Strategy and Action Plan |         |
| 7 | <b>Update on Climate Risks to Norwich City Council</b>  | 41 - 44 |

**Purpose** - To provide an update on work being done to identify climate risk to Norwich City Council and seek the committee's views to inform ongoing work.

8      **Update on Funding Bids**

45 - 50

**Purpose** - To update members on various funding bids – Sustainable Warmth Competition, Social Housing Decarbonisation Fund, Heat Networks, EV Charging

Date of publication: **Monday, 14 March 2022**





**Climate and environment emergency executive panel**

**16:00 to 17:30**

**19 October 2021**

Present: Councillors Hampton (chair), Stonard (vice chair), Carlo, Lubbock, Oliver, Osborn and Thomas (Va)

**1. Declarations of interest**

There were no declarations of interest.

**2. Minutes**

**RESOLVED** to approve the accuracy of the minutes of the meeting held on 31 August 2021.

**3. Climate Footprint report 2020-21**

The environmental strategy officer, presented the report. She referred to the further reduction in carbon emissions during the year 2020-21, the impact of the Covid pandemic on the statistics due to the inability of contractors to complete work and the closure of venues such as the Riverside Leisure Centre during this period. She then commented on the statistics in the context of the 5 year average data and the steps that would need to be taken to meet the target of zero carbon emissions by 2030. She reiterated that 2021 was an exceptional year and it was likely that an increase in carbon emissions would be seen in the immediate future.

The environmental strategy manager, then gave details of the various energy saving projects in which the council was involved and, in particular the grant received for an air sourced energy heating project at City Hall. He referred specifically to the problems in retrofitting new energy saving technology into a listed building. Other projects including installation of LED light fittings in City Hall.

During discussion members referred to the significant achievement on reducing the energy rating in City Hall. They asked about the scope for reducing the energy ratings at community centres and it was confirmed that these did not form part of the council's carbon footprint. They referred to the need to reduce the emissions from vehicles and, in particular, from contractors' vehicles and taxis.

The environmental strategy manager said that the best way to reduce contractors' vehicles emissions would be through replacement of vehicles at the appropriate time. In terms of pool cars/ contractor fleet, issues need to be addressed including how staff would be able to charge the electric vehicles when at home. He

understood that the council's taxi contractor used hybrid vehicles rather than fully electric vehicles. He said that community centres were responsible for paying their own energy bills.

Members said that it would be useful to see a breakdown in energy usage in various types of council buildings. They asked whether the council would always be dependent on offsetting to reduce emissions. The environmental strategy manager said that embedded emissions did not form part of our carbon footprint.

A member asked whether there was a possibility of retrofitting energy saving devices in the Halls. The environmental strategy manager referred to the considerable funding of 1 - 1.5 million pounds required for these projects. Another member suggested that vehicles needed to be replaced before refresh points were reached. Richard Willson said that the council could try to coordinate refresh points with provision of additional electrical charging points in the city.

Members recognised that embedded carbon would be inherent in the council's energy use over a significant period which would impact on the council's zero emissions target.

The chair thanked officers for the report and welcomed the impressive progress that had been made in reducing carbon emissions during this period.

**RESOLVED** to note the outcomes of the carbon footprint exercise as detailed in the report.

#### **4. Retrofitting Work in Norwich**

The fuel poverty and energy officer, presented the report. She said that retrofitting was one of the keyways in which to reduce carbon emissions in the city.

A member asked about the timescale for the retrofitting strategy. The environmental strategy manager said it was important for the council to identify the most efficient way to improve heating sources in council properties. Members considered that it was important to identify resources for this work.

A member said that there would need to be discussion and debate on the allocation of financial resources for this part of the council's work.

Another member suggested that the council should adopt a whole home retrofitting approach and there were funds available for which the council could apply. A pilot scheme in council sheltered housing could be used to establish whether this approach could be applied to all council housing. She also suggested that pension funds could be used to help with costs of retrofitting.

The fuel poverty and energy officer noted that the council has put in a bid to the social housing decarbonisation fund for 45 properties and are aware of other funding streams to which the council could apply. The environmental strategy manager also said that the council along with others was looking at the potential for district heating

and how this could be applied in the city's properties to assist with the overall objective to reduce carbon emissions in the Council's properties.

A member asked whether NRL would seek to be involved in the retrofitting process. Councillor Stonard (chair, NRL Board) said that there are lots of areas that the company could get into. The company had spent time on stabilising its finances and the company would need to be careful in considering the risks involved in areas in which it was not familiar.

**RESOLVED** to:

- (1) note the report;
- (2) welcome the progress made by the council on retrofitting projects to date;
- (3) recommend the cabinet to contact the New Anglia LEP to enquire about the work they were doing on retrofitting including training.

CHAIR





# Environmental Strategy Team

## CEEEP Briefing

22<sup>nd</sup> March 2022

Phil Hunt MSc C.Eng MCIBSE  
Environmental Strategy Manager

# Agenda & discussion points

Environmental Strategy Team update

2022 policy and strategy development work

City Hall ASHP update

Biodiversity Engagement update

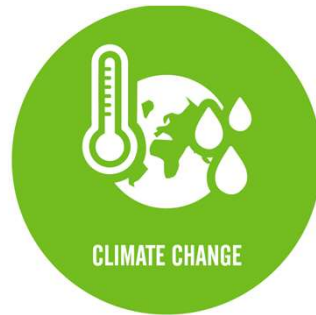
Climate change adaption risk analysis

Capital programmes update

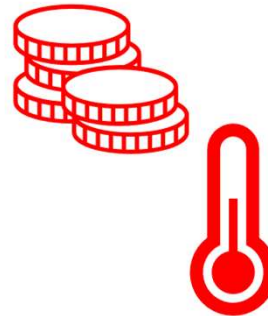
# Overview - scope of team activity



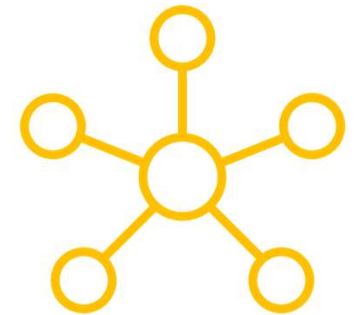
Strategy lead for  
biodiversity protection /  
net gain



Strategy lead for climate  
change mitigation and  
adaption



Affordable warmth strategy  
and delivery



Coordinator of cross  
directorate environmental  
action & management

# Overview - Environmental Management System based on ISO 14001



# Overview - staffing and recruitment



Rachel Sowerby  
Fuel Poverty and  
Energy  
Officer 1 FTE



Phil Hunt  
Environmental  
Strategy Manager 1  
FTE



Currently Recruiting  
Carbon Management  
Programme  
Coordinator 1 FTE

Budget from April for:  
environmental  
data/bid  
writing/planning role



Budget from April for:  
Environmental  
engagement and  
events coordinator

# Policy and strategy development 2022



+ EV charging strategy

+ Heat Strategy



EST produce



EST collaborate

# Policy and strategy development 2022

1. Support the low carbon economy in Norwich by coordinating opportunity creation, action and investment



Existing and agreed policy



Proposed new policy priority





**Committee Name:** Climate and environment emergency executive panel

**Committee Date:** 22/03/2022

**Report Title:** Report of progress on the Installation of an Air Source Heat Pump at City Hall

<b>Portfolio:</b>	Councillor Hampton, Cabinet member for climate change and digital inclusion
<b>Report from:</b>	Head of Strategy, Engagement and Culture
<b>Wards:</b>	All Wards
<b>OPEN PUBLIC ITEM</b>	

### Purpose

The purpose of this report is to update the committee on the work underway to install a low carbon heating system at City Hall and to present the future programme of works.

### Recommendation:

It is recommended that this work is noted.

### Policy Framework

The Council has three corporate priorities, which are:

- People living well
- Great neighbourhoods, housing and environment
- Inclusive economy

This report meets the great neighbourhoods, housing and environment corporate priority

This report addresses *Sustainable City* strategic actions in the Corporate Plan by ensuring *our services mitigate against any adverse effects of climate change and are efficient to reduce carbon emissions.*

## Report Details

1. Integrating an Air Source Heat Pump (ASHP) into the existing heating system within City Hall is estimated to deliver up to 43% of the buildings heating requirements using renewable energy, saving up to 104 tonnes of CO<sub>2</sub> per annum. To put this into perspective the average tree absorbs 21kg of CO<sub>2</sub> a year, so the reduction in carbon on this project is equivalent to planting approximately 5000 trees.
2. Installation work has commenced at City Hall with:
  - (a) works in the basement heating plant room taking place to integrate the new heating system into the existing gas heating system
  - (b) the erection of scaffolding to two key aspects of the building to provide access and safety for workers and building occupants
  - (c) the first of several crane lifts taking place to deliver components
3. A briefing with photos of the progress of the installation, *entitled ASHP Progress Briefing*, is appended to this report.
4. A programme of works developed by the contractor is appended to this report, *entitled ASHP Programme of Works*.
5. The c£625k cost of the installation is being wholly met by a grant from central government as part of the Public Sector Decarbonisation Scheme.
6. The installation is due to be completed within the timescale required by the grant scheme.

## Consultation

7. Not applicable

## Implications

8. This work is on budget and programme and so there are no new implications.

## Financial and Resources

9. Not applicable

## Legal

10. Not applicable

## Statutory Considerations

Consideration	Details of any implications and proposed measures to address:
Equality and Diversity	NA
Health, Social and Economic Impact	NA
Crime and Disorder	NA
Children and Adults Safeguarding	NA
Environmental Impact	This activity demonstrates the Council's commitment to achieving net zero emissions by 2030.

## Risk Management

Risk	Consequence	Controls Required
NA	NA	NA

## Other Options Considered

11.NA

## Reasons for the decision/recommendation

12. NA

## Background papers:

**Appendices:** Appendix 1 ASHP Project Briefing  
Appendix 1 ASHP Programme of Works

**Contact Officer:** Environmental Strategy Manager

**Name:** Phil Hunt

Email address: [philhunt@noriwch.gov.uk](mailto:philhunt@noriwch.gov.uk)



### **Norwich City Hall Air Source Heat pump installation.**

#### **Contractor works update.**

On the 26 January 2022 the first of several crane lifts was made to deliver the parts required to complete the Air Source Heat pump installation. The parts, including a large buffer vessel were lifted then lowered down the well at the side of City Hall into the Basement plant room ready for installation.



*Figure 1 Showing crane lift into City Hall Basement*

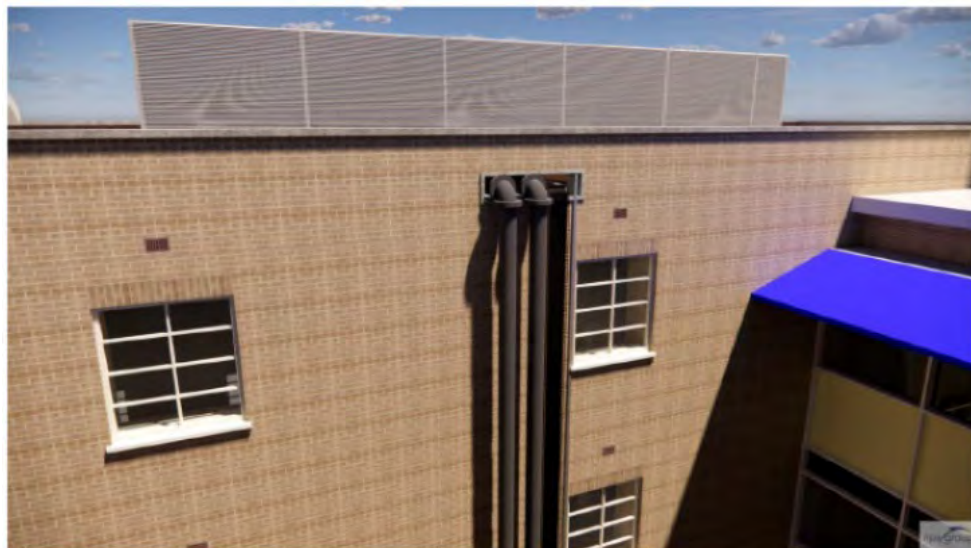
### Contractor works update.

Between the 28th January 2022 and 4th February 2022 the installation of the buffer vessel, heat exchange and pipework (flow & return) has taken place within the basement of City Hall.

The pipe work runs up as far as the courtyard where drilling has commenced to route the cables through a hole, then up to the roof.



Proposed 3D View showing Pipe and cable route inside Courtyard



Proposed 3D View showing opening in East facing Courtyard Parapet wall



### **Contractor works update.**

Scaffolding is currently being erected within the courtyard so Unistrut and tray work can be attached to the wall to support the pipework and cabling.



The next step will be drilling the fixing for the Unistrut that will support the tray and pipework. Also cut outs will be made in the parapet wall for the steel frame that supports the Air source heat pumps.





Draft Programme

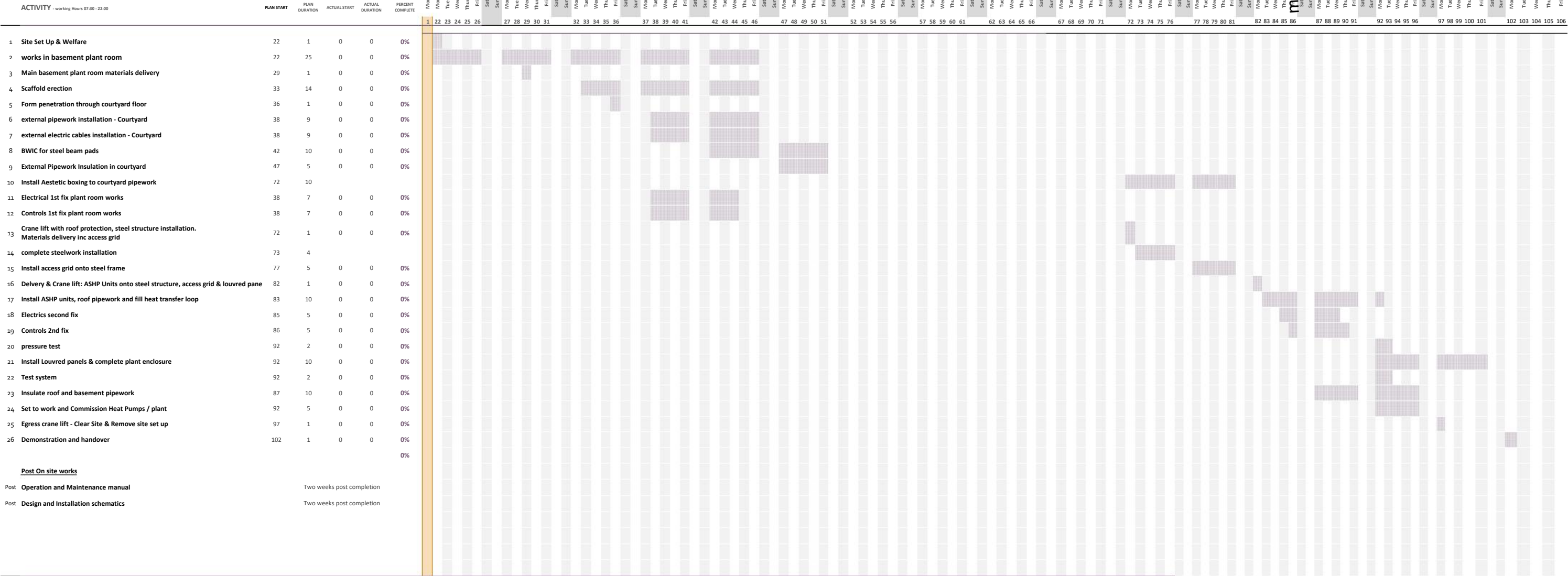
component availability dependant  
Select a period to highlight at right. A legend describing the charting follows.



Norwich City Council - City Hall ASHP Installation

Appendix 2 - ASHP Work Programme

Period Highlight: 1



Planned Duration		
Actual Start		
% Complete		
Actual (beyond plan)		
% Complete (beyond plan)		

Stage	Description
Pre	Development of Installation drawings with NPS
Pre	Production of CPH&SP (CPP)
Pre	Material Procurement to Constructa warehouse
Pre	Development of lifting plans
Pre	Structural engineers design to construction issue
Pre	Steelworks and roof structure procurement
	<u>On site works 03/01/22 - 31/3/22</u>
1	Site Set Up & Welfare
2	Scaffold erection
3	Form penetration under ACM controlled conditions
4	Crane lift with roof protection, steel structure installation. Materials delivery
5	external pipework installation
6	external electric cables installation
7	Main basement plant room materials delivery
8	works in basement plant room
9	Electrical 1st fix
10	Controls 1st fix
11	System integration primary and secondary side
12	pressure test
13	Crane lift: CAHV Units onto steel structure & louvred panels onto roof
14	Install CAHV units and fill heat transfer loop with water (as per NPS Design)
15	Electrics second fix
16	Controls 2nd fix
17	Install Louvred panels & complete plant enclosure
18	Test
19	Insulate pipework
20	Set to work and Commission Heat Pumps / plant
21	Egress crane lift - Clear Site & Remove site set up
22	Demonstration and handover
	<u>Post On site works</u>
Post	Operation and Maintenance manual
Post	Design and Installation schematics

Avg Draft resource allocation		
	Constructa	Specialist
	4	2
	3	5
	2	2





**Committee Name:** Climate and environment emergency executive panel

**Committee Date:** 22/03/2022

**Report Title:** Report of Recent Community Engagement Activities  
Relating to Biodiversity

<b>Portfolio:</b>	Councillor Packer, Cabinet member for health and wellbeing
<b>Report from:</b>	Head of Strategy, Engagement and Culture
<b>Wards:</b>	All Wards
<b>OPEN PUBLIC ITEM</b>	

### **Purpose**

The purpose of this report is to update the committee on recent community engagement activity around biodiversity, seek the panel's own views on this topic, and receive views on additional consultation opportunities to inform next steps in developing the Biodiversity Strategy and Action Plan.

### **Recommendation:**

It is recommended that this work is noted and that the panel's views on this topic are received to inform the development of the Biodiversity Strategy and Action Plan.

### **Policy Framework**

The Council has three corporate priorities, which are:

- People living well
- Great neighbourhoods, housing and environment
- Inclusive economy

This report meets the Great neighbourhoods, housing and environment corporate priority

This report addresses *Sustainable City* and *A Sense of Community* strategic actions in the Corporate Plan

## Report Details

1. This report provides feedback and insights resulting from two recent community engagement activities on the topic of biodiversity, managed by the Neighbourhoods and Community Enabling Team. The aim of the activity is to feed into the development of the new Biodiversity Strategy which will be published in June 2022. The two recent activities were:

- An event at Blackfriars Hall facilitated by council staff and attended by members of the public
- A follow-up digital engagement using The Big Conversation Format

The sections below set out the successes, findings and implications of these events, which are pilots for the emerging Citizen Engagement Strategy.

2. A consultation event was held at Blackfriars Hall on 30/11/2021

2.1 Attendance – invites were sent to just over 400 people from our mailing lists representing VCSEs, institutions, businesses and residents. The event was promoted through public advertising on social media with sign up being via EventBrite. Due to covid, the attendee list was closed at 90 places with those unable to attend being placed on a reserve list.

2.2 Event Structure - the event was structured in two parts. The focus of part one was *key questions*:

1. What are your nature highlights of Norwich?
2. What are you doing and where? What are others doing and where? Where is your expertise?
3. Citizen science – what is going on already that we can embrace? What could we do?
4. What do we need to discuss today?
5. Small changes
6. Big ideas

Attendee's thoughts and ideas were captured on boards.

Part 2 focused on answers to Question 4 from part one i.e. what should we discuss? Attendees, grouped onto tables, voted for discussion topics using Slido, a digital audience interaction service. On a table-by-table basis attendees then had focused discussions on topics of their choice.

2.3 Observed outcomes – a full analysis of results is expected following a collaboration with UEA placement students during March. The following observations were recorded at the event:

1. There was competition amongst attendees to present good ideas – participation was high.

2. The level of ambition around the Big Ideas section was low e.g. little mention was made of big shifts such as wide scale greening of roofs, but this meant that a lot of the ideas were very achievable.
3. General negativity about the council was low
4. There was anger aimed at NDR / Western Link as well as transport more widely
5. Repeated and more obvious ideas were put forward around our service delivery linked to longer grass cuts, more wildflowers on our land, etc.
6. There were many examples of projects and activity that the council is unaware of, which showed the benefit of knowledge sharing.
7. Some groups went away enthused to make specific change – the Mount Pleasant group hatched the idea of a biodiversity street and have asked for further assistance to develop their plans.
8. Lots of attendees reported working on similar projects although they were meeting at the event for the first time. People made new connections, which they spoke about following up on, in the future.
9. The idea of Citizen Science projects was discussed and examples of existing projects were evident.
10. Lots of people suggested things that already exist, they just didn't know about them, such as the LUMi resource sharing website
11. Links to food poverty/sustainability were discussed.

### 3. A follow-up digital engagement using The Big Conversation Format

3.1 Purpose and audience - the digital engagement was designed to maintain the momentum of the event at Blackfriars Hall. Attendees were invited to engage, with additional promotion to the council's consultation mailing list received from the Communications Team. Social media advertising was used to broaden the engagement.

3.2 Set-up and learning experiences - it took longer than expected to establish the engagement website due to issues with the provider. It was hoped to go live a week after the event, but it took a month although the engagement metrics are positive with new engagements still being recorded.

3.3 In total and to date, 259 people were 'made aware' through this exercise, 106 were informed and 43 engaged; the platform is still live with numbers increasing. A summary of the engagement metrics is appended to this report, entitled The Big BioD Summary V1.0

### 4. Other observations from these activities

4.1 Attendees wanted to hear back from the council about positive changes which result from their engagement. The opportunity for this is to involve

attendees in a public further consultation for the new biodiversity strategy due to be published in June 2022.

4.2 There may be sufficient 'Citizen Scientists' to play an active role in surveying and measuring biodiversity as part of the new Biodiversity Strategy.

## **Consultation**

5. This work was a consultation exercise by its nature

## **Implications**

6. The consultation exercise set out in this report forms an important stage in the development of the Biodiversity Strategy, a draft of which will be published in June of 2022 for final consultation with members.
7. The success of these activities demonstrates the value in engaging with people in order to:
  - Build community
  - Improve ideation around important issues and solutions
  - Empower communities to meet their own needs and improve the local environment
  - Enlist community support in delivering council and community change programmes

The successes and learning experiences gained from these events will be used to inform the developing Citizen Engagement Strategy.

## **Financial and Resources**

8. This report demonstrates that successful community engagement can provide voluntary resources, which may lead to cost savings in the delivery of environmental change programmes.
9. Provision has been made in the council's budget 2022/23 (Council, 22 February 2022) for resources to continue utilising the community engagement platform 'Bang the Table', used in this exercise. This will enable further engagements of this quality, over the longer term.

## **Legal**

10. There are no legal implications of this activity.



## Statutory Considerations

Consideration	Details of any implications and proposed measures to address:
Equality and Diversity	NA
Health, Social and Economic Impact	This activity is likely to improve physical and mental wellbeing of individuals, increase social capital in communities
Crime and Disorder	NA
Children and Adults Safeguarding	NA
Environmental Impact	This activity demonstrates the potential contribution which can be made by members of our community towards good environmental stewardship.

## Risk Management

Risk	Consequence	Controls Required
NA	NA	NA

## Other Options Considered

11. NA

## Reasons for the decision/recommendation

12. NA

## Appendix: The Big BioD Summary

**Contact Officer:** Engagement Activity - Neighbourhood & Community Enabling Manager

Report Author – Environmental Strategy Manager

**Name:** Kate Price - Engagement Activity - Neighbourhoods & Community Enabling Manager

Phil Hunt - Environmental Strategy Manager

Email address: [kateprice@norwich.gov.uk](mailto:kateprice@norwich.gov.uk) [philhunt@norwich.gov.uk](mailto:philhunt@norwich.gov.uk)



# Summary Report

04 January 2022 - 02 February 2022

## Get Talking Norwich

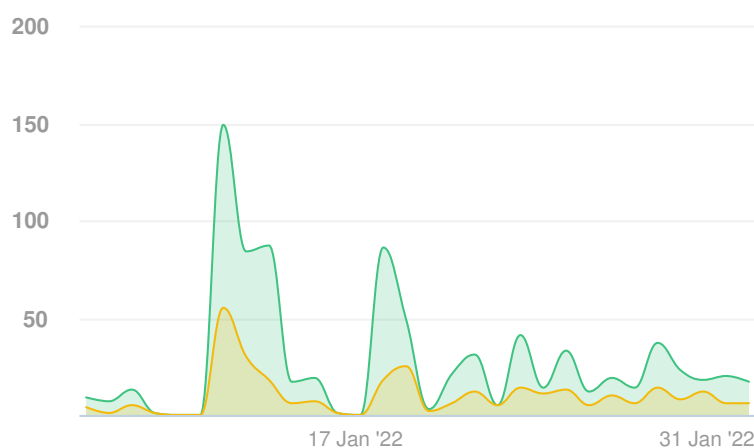
PROJECTS SELECTED: 1

The Big Biodiversity Conversation

FULL LIST AT THE END OF THE REPORT



### Visitors Summary



— Pageviews — Visitors

### Highlights

TOTAL VISITS	MAX VISITORS PER DAY	
515	55	
NEW REGISTRATIONS		
104		
ENGAGED VISITORS	INFORMED VISITORS	AWARE VISITORS
43	106	259

## PARTICIPANT SUMMARY

ENGAGED

INFORMED

AWARE

43 ENGAGED PARTICIPANTS

RegisteredUnverifiedAnonymous

Contributed on Forums800

Participated in Surveys000

Contributed to Newsfeeds000

Participated in Quick Polls16112

Posted on Guestbooks000

Contributed to Stories000

Asked Questions000

Placed Pins on Places300

Contributed to Ideas2100

A single engaged participant can perform multiple actions

The Big Biodiversity Conver...43 (16.6%)

Calculated as a percentage of total visits to the Project

ENGAGED

INFORMED

AWARE

106 INFORMED PARTICIPANTS

Participants

Viewed a video0

Viewed a photo0

Downloaded a document14

Visited the Key Dates page0

Visited an FAQ list Page0

Visited Instagram Page0

Visited Multiple Project Pages66

Contributed to a tool (engaged)43

A single informed participant can perform multiple actions

The Big Biodiversity Conver...106 (40.9%)

Calculated as a percentage of total visits to the Project

ENGAGED

INFORMED

AWARE

259 AWARE PARTICIPANTS

Participants

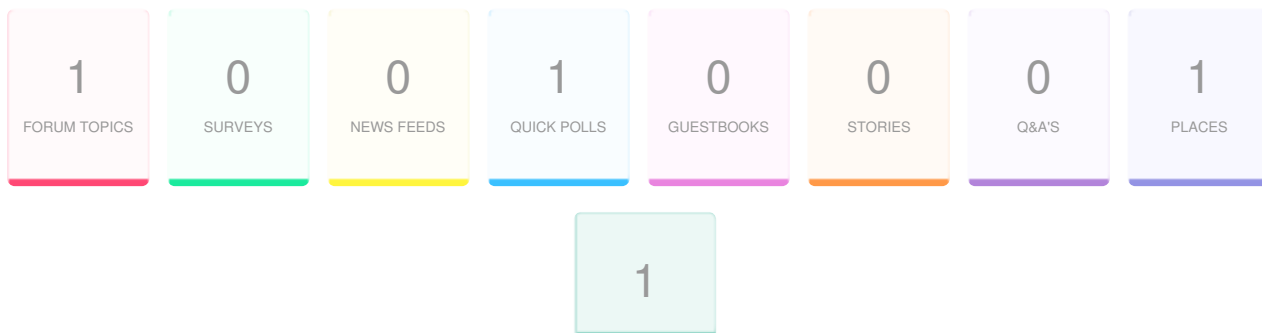
Visited at least one Page259

Aware user could have also performed an Informed or Engaged Action

The Big Biodiversity Conver...259

Total list of unique visitors to the project

## ENGAGEMENT TOOLS SUMMARY



FORUM TOPICS SUMMARY	
1	Forum Topics
8	Contributors
57	Contributions

TOP 3 FORUM TOPICS BASED ON CONTRIBUTORS	
8	Contributors to
	Big Ideas Chat

QUICK POLLS SUMMARY	
1	Quick Polls
29	Contributors
29	Responses

TOP 3 QUICK POLLS BASED ON CONTRIBUTORS	
29	Contributors to
	Citizen Science: is the collection of data by the public, such as bird counts or fungi

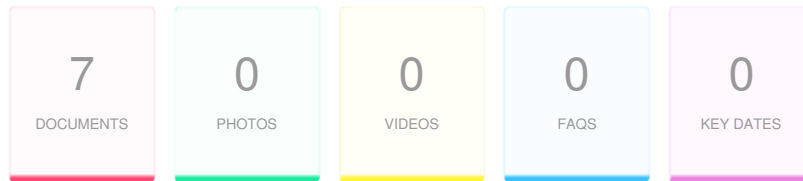
PLACES SUMMARY	
1	Places
3	Contributors
9	Pins

TOP 3 PLACES BASED ON CONTRIBUTORS	
3	Contributors to
	Map your actions

IDEAS SUMMARY	
1	Ideas
21	Contributors
199	Contributions

TOP 3 IDEAS BASED ON CONTRIBUTORS	
21	Contributed to
	Small Changes, Big Impact

## INFORMATION WIDGET SUMMARY



DOCUMENTS	
7	Documents
14	Visitors
28	Downloads

TOP 3 DOCUMENTS BASED ON DOWNLOADS		
13	3	3
Downloads	Downloads	Downloads
Event Feedback: Nature highlights of Norwich	Event Photo Collage.pdf	Event Feedback on table discussions - the Big Questions discussed

## TRAFFIC SOURCES OVERVIEW

REFERRER URL	Visits
t.co	19
www.bing.com	7
android-app	6
l.facebook.com	6
m.facebook.com	6
lm.facebook.com	3
mail.google.com	2
email.bt.com	1
teams.microsoft.com	1
www.ecosia.org	1
www.facebook.com	1

## SELECTED PROJECTS - FULL LIST

PROJECT TITLE	AWARE	INFORMED	ENGAGED
The Big Biodiversity Conversation	259	106	43





**Committee Name: Climate environment emergency executive panel**

**Committee Date: 22/03/2022**

**Report Title: Update on Climate Risks to Norwich City Council**

**Portfolio:** Councillor Hampton, Cabinet member for climate change and digital inclusion

**Report from:** Head of Strategy, Engagement and Culture

**Wards:** All Wards

**OPEN PUBLIC ITEM**

**Purpose**

To provide an update on work being done to identify climate risk to Norwich City Council and seek the committee's views to inform ongoing work.

**Recommendation:**

To provide thoughts and feedback on the risks identified

**Policy Framework**

The Council has three corporate priorities, which are:

- People living well
- Great neighbourhoods, housing and environment
- Inclusive economy

This report meets the Great neighbourhoods, housing and environment corporate priority

This report addresses 'Ensure our services mitigate against any adverse effects of climate change and are efficient to reduce carbon emissions' strategic action in the Corporate Plan

## Report Details

1. Work has been ongoing across the council to identify risks posed to service areas from climate change, and where necessary, escalate these risks to the appropriate risk registers.
2. These have been identified using the latest UK climate impact projections, which identify that Norwich will likely have warmer, drier summers and warmer, wetter winters.
3. We have also used national government publications, such as the Climate Change Risk Assessment for England, and the Independent Assessment of UK Climate Risk to inform overall risk identification before further analysis was performed on our individual directorates.
4. We consider the main risks to be from surface water flooding and increased heatwaves. This then presents risk to properties in the city from flooding, and community health during periods of increased heat.
5. This work has been reflected in the Q3 Combined Assurance Quarterly Report, which was approved by Cabinet on the 23 February.
6. The risks identified for Community Services are:
  - Disruption to events and community spaces, in particular from, high winds/storms impacting the Norman Centre/Riverside Leisure Centre/The Halls and planned events and festivals.
  - Surface water flooding on community spaces, such as the Norman Centre, potentially leading to damage to the buildings and temporary closure of spaces (and loss of income)
  - Risks to community health, with a particular focus on inequality as those affected by inequality are more likely to suffer disproportionately more from the adverse effects of climate change.
  - Disadvantaged groups are likely to have an increased exposure to the adverse effects of climate change. This increased exposure is likely to lead to increased susceptibility to damages caused by climate change. Disadvantaged groups are less likely to have the relative ability to cope with and recover from damages they suffer.
7. The risks identified for Corporate and Commercial Services are:
  - Potential disruption to election delivery. Due to building concerns polling stations becoming unavailable to the democratic services team, or conditions may become uncomfortable for polling station staff.
  - Loss of staff productivity to heat, due to increases in frequency and intensity of heat waves.
  - Risk in failure to properly resource climate change mitigation.
8. The risks identified for Development and City Services are:

- Increased maintenance of open spaces as pre-existing landscaping is no longer suitable due to increased temperatures and increased demand for water
  - Increase in demand for emergency services, and the need for emergency response from the council when presented with extreme events such as flooding and winter storms
  - Increase in demand for regulatory services, for example in relation to food safety (if heatwaves increase)
9. There are also cross-cutting risks from structural risks to buildings (from increased heat, subsidence, potential flooding and storm damage) and consequent risk to delivery of services delivered via those buildings.
  10. It is also the case that for a number of identified risks, such as climate change impact on existing stock (e.g. thermal comfort) mitigation is already in place (for example our strategic asset management plan commits to meeting MEES (minimum energy efficiency) standards, which requires all domestic rented properties to be at least a EPC E, guaranteeing a basic level of energy efficiency and thermal comfort. Therefore these risks, although present to us, may not necessarily be reflected in risk registers.
  11. Work is currently underway to finalise risk scoring and action plans. Risks will be escalated where necessary to service level, directorate level, and, if necessary, corporate level, based on their scoring using the council risk register template. Work will be complete by Quarter 4 reporting.
  12. Risks are scored based on the likelihood of a risk occurring and the impact if it does occur (risk level = likelihood x impact).
  13. In line with the council's risk management policy and strategy each risk will be managed at the lowest appropriate level of management. However, if it is considered that a risk identified at one management level cannot be effectively managed at that level, the risk will be escalated up the management chain until it reaches the level at which it can be effectively dealt with. All risks scoring above the risk appetite (score above 15) will be considered for inclusion on the Corporate Risk Register.
  14. This work will therefore allow climate risks to inform the overall work of the directorates and bring a greater level of climate awareness to the risk registers. Any risks included on service registers will be reviewed quarterly as part of the risk management process.
  15. In addition, and as set out in the October 2021 report to Cabinet, the council has recently undertaken a comprehensive assessment of its response to climate change and the environmental emergency, with the intention to identify actions already taken, where further actions are required, assess the costs and benefits of new proposals and develop a clear plan for future work across the agenda. This work is, therefore, closely linked into the risk work described above, and the outcome of this work will be shared over the coming months.

## **Consultation**

16. As this work is focused on our own risk registers external consultation has not been needed

17. Consultation with relevant officers has been carried out

## **Implications**

18. The implications are presented in the detail of the risk register

## **Financial and Resources**

19. Work to assess any financial impacts arising from these risks will be undertaken within service areas and managed through normal budgetary processes

## **Legal**

20. No legal considerations

## **Reasons for the decision/recommendation**

21. To recognise ongoing work

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**Committee Name: Climate environment emergency executive panel**

**Committee Date: 22/03/2022**

**Report Title: Update on Funding Bids**

**Portfolio:** Councillor Hampton, Cabinet member for climate change and digital inclusion

**Report from:** Head of Strategy, Engagement and Culture

**Wards:** All Wards

**OPEN PUBLIC ITEM**

### **Purpose**

To update members on various funding bids – Sustainable Warmth Competition, Social Housing Decarbonisation Fund, Heat Networks, EV Charging

### **Recommendation:**

It is recommended that the committee notes the progress being made in these areas

### **Policy Framework**

The Council has three corporate priorities, which are:

- People living well
- Great neighbourhoods, housing and environment
- Inclusive economy

This report meets the Great neighbourhoods, housing and environment corporate priority

This report addresses 'Improve the quality and safety of private sector housing' and 'Maintain a clean and sustainable city with a good local environment that people value' strategic actions in the Corporate Plan

## **Report Details**

### **Sustainable Warmth Competition**

1. We have been successful in the Sustainable Warmth Competition awarded by central government - £3.1 million to retrofit 200 private sector homes in Norwich with a variety of insulation measures (loft and cavity wall, underfloor and solid/external wall insulation) and renewable heating systems. This will deliver until March 2023.
2. We expect the scheme to save 200,000 kg of CO<sub>2</sub> per year and £250,000 in bill savings per year.
3. This scheme is focused primarily on low-income housing, defined as income under £30,000 or via the use of proxy measures such as receipt of benefits, and/or households identified to be in fuel poverty, which takes into account energy efficiency ratings and broader categories of vulnerability.
4. Areas of the city likely to be eligible have already been identified using data tools which show areas of low income and inefficient housing. Work will likely begin in wards with the highest level of fuel poverty (Nelson, Wensum and Sewell).
5. A suitable contractor has been identified for this work (Eon Energy via the Fusion21 Energy Efficiency Framework). This has now been accepted into the capital programme (approved by Council on February 22<sup>nd</sup>), and Cabinet approved award of the contract on February 23<sup>rd</sup>.
6. Therefore, we are now in a position to complete contract work and will begin to contact residents in Spring 2022.

### **Social Housing Decarbonisation Fund**

7. We have also been successful in the Social Housing Decarbonisation Fund (SHDF), also awarded by central government, subject to internal approval processes. This is an overall pot of £1.25m, with £900,000 coming from the SHDF and £350,000 from our own resources.
8. This £350,000 had already been committed in the HRA capital programme, with the additional funding allowing us to increase the number of homes which can benefit from the works. This work will deliver until April 2023.
9. 45 council owned homes will benefit from solid wall insulation. These are 'Wimpey no-fines' homes, which are homes constructed primarily from concrete with no fine aggregates.
10. We had identified these as some of our worst performing homes which would benefit strongly from insulation work. This work will deliver bill savings on £8,000 a year (across all homes) and save over 3,000 kWh in energy.
11. The homes which will be benefiting from the retrofitting investment are in two main ward areas of the city – Wensum and Catton Grove.

12. We intend to accept this into the capital programme at Cabinet on March 9<sup>th</sup>. Following this we can then formally award the contract.

### **HNZ Pilot Programme**

13. A Heat Network (or district heating) supplies heat from a central source to consumers, via a network of underground pipes carrying hot water. Around 2% of UK heat currently comes from Heat Networks, with the Government's Clean Growth Strategy, which sets out their proposals for decarbonizing the UK economy through the 2020's, modelling the need for 17 – 24%
14. A Heat Network Zone (HNZ) is an area designated by local government within which heat networks are the lowest cost, low carbon solution for decarbonising heating.
15. Within this zone powers may be granted to local authorities which increase the likelihood of both residents and suppliers connecting to the heat network, such as connection mandates for new homes.
16. Any powers granted through legislation are likely to be implemented by central government legislation in 2023/2024.
17. BEIS is currently working on a model for identifying HNZ and would like to test the interface between the model and local knowledge.
18. Norwich has been identified as one of the pilot cities for this work. BEIS will develop the model, collect local data from us and then input this into the model.
19. It is important to note that this is trial and testing identification of zones and modelling, not installations of networks in the city.
20. BEIS has now completed procurement for model developers and consultation with us will now begin.

### **EV Charging Pilot**

21. The Charge Collective pilot programme is a partnership between Norwich City Council, Norfolk County Council and UK Power Networks aimed at increasing the number of electric vehicle charging points in the city. This will install a number of rapid chargers across the city in order to support residents transitioning to electric vehicles.
22. Suitable locations in the city have been identified using a number of criteria – namely areas where average income and car usage is high but offstreet parking is low, meaning there is likely to be a demand for charging points.
23. The aim of this programme is to encourage residents who already own cars to switch to electric vehicles rather than encourage new car ownerships.
24. Norfolk County Council are currently undertaking a procurement process to identify a delivery partner to install the charging points (this will be funded by

UKPN, backed by Ofgem, and therefore will require no investment from Norwich City Council).

25. The next meeting of the group is the 15<sup>th</sup> February and we expect an update on procurement in this. Procurement continues to progress at Norfolk County Council.

### **Consultation**

26. This report covers a number of different areas and relevant consultations have been carried, or are planned, as needed

### **Implications**

### **Financial and Resources**

27. Any decision to reduce or increase resources or alternatively increase income must be made within the context of the council's stated priorities, as set out in its Corporate Plan 2019-22 and Budget.
28. Funding for the Sustainable Warmth Grant has been included in the capital programme for 2022/23 (approved Council, 22 February 2022).
29. The contribution needed for the Social Housing Decarbonisation Fund is already programmed into the HRA. Other costs will be covered by the grant and due process will be followed to take these into council budgets as necessary.
30. For both the Sustainable Warmth Grant and Social Housing Decarbonisation Fund management fees for the council are included.
31. Neither the HNZ or EV Charging Pilot will reduce or increase resources

### **Legal**

32. The legal impacts of the funding bids have been considered separately to this report



## Statutory Considerations

Consideration	Details of any implications and proposed measures to address:
Equality and Diversity	N/A
Health, Social and Economic Impact	<p>Cold homes can exacerbate underlying health conditions such as respiratory and cardiovascular problems. Children living in cold homes are significantly more likely to suffer from chest problems, asthma and bronchitis. Cold homes can slow down recovery following discharge from hospital, when people are already at risk, and can lead to repeat admissions due to unsuitable housing.</p> <p>Therefore, these proposals, by increasing energy efficiency of fuel poor homes, will have a positive impact on health.</p>
Crime and Disorder	N/A
Children and Adults Safeguarding	N/A
Environmental Impact	<p>These proposals will have a positive impact on the environment:</p> <ul style="list-style-type: none"><li>• Reducing emissions from housing due to improved energy efficiency</li><li>• Increasing the availability of EV charging in order to encourage residents to switch to electric vehicles</li></ul>

### Reasons for the decision/recommendation

33. To note the work being done in these areas.

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