



Essex County Council

## Essex Flood Partnership Board

<b>10:00</b>	<b>Thursday, 30 January 2020</b>	<b>Committee Room 1, County Hall, Chelmsford, CM1 1QH</b>
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**For information about the meeting please ask for:**

Lisa Siggins, Democratic Services Officer

**Telephone:** 033301 34575

**Email:** democratic.services@essex.gov.uk

		<b>Pages</b>
<b>1</b>	<b>Membership, Apologies, Substitutions and Declarations of Interest</b>	<b>4 - 4</b>
<b>2</b>	<b>Minutes</b> To approve as a correct record the Minutes of the meeting held on 3rd July 2019.	<b>5 - 9</b>
<b>3</b>	<b>Property Flood Resilience Delivery</b> To receive a presentation from Angela Warlow, Operations Manager for Lakeside Flood Solutions who deliver Property Flood Resilience on behalf of Essex County Council and Partners on the delivery of Property Flood Resilience.	
<b>4</b>	<b>Green Essex Strategy Update</b> To receive a report ( <b>EFPB/01/20</b> ) and presentation from Jayne Rogers, Environment Officer and John Meehan, Head of Sustainability and Resilience, on the progress with the Green Infrastructure Strategy and Delivery and organisation of the Essex Forest Initiative.	<b>10 - 30</b>
<b>5</b>	<b>Essex Capital Flood Programme 2019-20 update</b> To receive a report ( <b>EFPB/02/20</b> ) from Dave Chapman, Project Delivery Manager, on the progress of schemes in the Capital Programme.	<b>31 - 33</b>

- 6      Asset Management Period 7 (AMP7) Funding Update - Anglian Water Update**  
To receive a presentation from Jonathan Glerum, Regional Flood Risk Manager for the Environment Agency, on OFWAT's decision about funding for Asset Management Period 7 and how this affects flood funding in the region.
- 7      Thurrock Tidal Breach**  
To receive a presentation from Navtej Tung, Principal Transport Planner for Thurrock Council, on a recent breach of the sea wall within Thurrock Council's administrative area and the impact that this has had on the Council.
- 8      Any Other Business**
- 9      Date of next meeting**  
To note that the next meeting will be held on Thursday 30th April 2020 at 10.00am County Hall, Chelmsford.

### **Exempt Items**

(During consideration of these items the meeting is not likely to be open to the press and public)

The following items of business have not been published on the grounds that they involve the likely disclosure of exempt information falling within Part I of Schedule 12A of the Local Government Act 1972. Members are asked to consider whether or not the press and public should be excluded during the consideration of these items. If so it will be necessary for the meeting to pass a formal resolution:

**That the press and public are excluded from the meeting during the consideration of the remaining items of business on the grounds that they involve the likely disclosure of exempt information falling within Schedule 12A to the Local Government Act 1972, the specific paragraph(s) of Schedule 12A engaged being set out in the report or appendix relating to that item of business.**

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## Agenda item 1

**Committee:** Essex Flood Partnership Board

**Enquiries to:** Lisa Siggins, Democratic Services Officer

### Membership, Apologies, Substitutions and Declarations of Interest

#### Recommendations:

To note

1. Membership as shown below
2. Apologies and substitutions
3. Declarations of interest to be made by Members in accordance with the Members' Code of Conduct

Membership	
Cllr Simon Walsh	Essex County Council
John Meehan	Essex County Council
Lucy Shepherd	Essex County Council
Peter Massie	Essex County Council
Peta Denham	Environment Agency
Rachel Keen	Environment Agency
Graeme Kasselmann	Thames Water
Jonathan Glerum	Anglian Water
Moira Bruin	Essex County Fire and Rescue Service
Cllr Jack Ferguson	Basildon Borough Council
Cllr Wendy Schmitt	Braintree District Council
tbc	Brentwood Borough Council
Cllr Simon Hart	Castle Point Borough Council
Cllr Rose Moore	Chelmsford City Council
Cllr Lee Scordis	Colchester Borough Council
Cllr Nigel Avey	Epping Forest District Council
Cllr Danny Purton	Harlow District Council
Cllr Sue White	Maldon District Council
Cllr Arthur Williams	Rochford District Council
Cllr Nick Turner	Tendring District Council
Cllr Gary Collins	Thurrock Council
Cllr Martin Terry	Southend on Sea Borough Council
tbc	Uttlesford District Council

# **Minutes of the meeting of the Essex Flood Partnership Board (Private Meeting), held in Committee Room 1 County Hall, Chelmsford, CM1 1QH on Wednesday, 03 July 2019**

## **Present:**

## **Members of the Board:**

Cllr Simon Walsh (Chairman)	Essex County Council
Peta Denham	Environment Agency
Jonathan Glerum	Anglian Water
John Meehan	Essex County Council
Cllr Rose Moore	Chelmsford City Council
Cllr Sue White	Maldon District Council

## **Other persons present (having signed the attendance book)**

Trevor Baker	Epping Forest District Council
Trudie Bragg	Castle Point Borough Council
David Chapman	Essex County Council
Jake Fell	Environment Agency
Neil Hoskins	Southend Borough Council
Stephanie Kober	Basildon Borough Council
James Mason	Environment Agency
Charlotte Palmer	Essex County Council
Matthew Phipps	Southend Borough Council
Cllr Mark Platt	Essex County Council
David Prudence	Essex Highways
Tim Simpson	Essex County Council
Lisa Siggins	Essex County Council – Democratic Services
Navtes Tung	Thurrock Council
Rob Wise	NFU

- 1 Membership, Apologies, Substitutions and Declarations of Interest**  
 Membership, Apologies, Substitutions and Declarations of Interest  
 The report of the Membership, Apologies, Substitutions and Declarations was received, and It was noted that

1. Cllr Simon Hart is the new Castle Point representative

Cllr Rose Moore is new Chelmsford City Council representative  
Cllr Jack Ferguson is the new Basildon Borough Council representative

The Chairman welcomed the new Board members and offered his thanks for the contribution made by the previous members

2. The following apologies were noted:

Councillor Wendy Schmitt – Braintree District Council  
Graeme Kasselmann -Thames Water  
Moira Bruin– Essex County Fire and Rescue Service  
Councillor Arthur Williams – Rochford District Council  
Councillor Nigel Avey – EFDC  
Councillor Jack Ferguson – Basildon Borough Council  
Rachel Keen EA- Jake Fell attending as a substitute  
Councillor Simon Hart- Castle Point Borough Council  
Paul Hayden – RFCC  
Lucy Shepherd – Essex County Council

3. There were no declarations of interest.

## **2 Minutes**

The minutes of the meeting held on 3rd April were agreed as a correct record and signed by the Chairman.

## **3 National Flood and Coastal Erosion Risk Management Strategy for England**

The Board received a presentation from Peta Denham, Flood and Coastal Risk Manager for the Environment Agency on the National Flood and Coastal Erosion Risk Management Strategy Consultation for England.

The presentation included:

- The evidence and opportunity, and what the strategy will offer
- How the draft strategy has been developed
- What the consultation is about
- How to respond to the consultation
- How and when the final strategy will be produced

Ms Denham advised that the consultation run for 8 weeks from 9<sup>th</sup> May to 4<sup>th</sup> July. She stressed the importance of being flood resilient and confirmed that it was hoped that a new Strategy would be published in 2020 but stressed that this was dependant on political factors.

The Board proceeded to discuss the strategy with Members stressing that it was important to be clear on the definition of “resilience”.

The Chairman thanked Ms Denham for her presentation.

The Board **NOTED** Report (**EFPB/08/19**) by Lucy Shepherd, Lead Local Flood Authority Manager which provided an overview of the Essex County Council response to the consultation for information. The consultation closed 04 July 2019.

#### **4 Essex Property Level Resilience update**

The Board received a report (**EFPB/09/19**) and presentation from Charlotte Palmer, Flood Investigation Engineer and Jake Fell, Herts and North London PSO Team for the Environment Agency, on the progress Property Level Resilience delivery in Essex and Stansted Mountfitchet.

The presentation from Miss Palmer focussed on the Customer journey for Essex County Council applicants and included:

- Details of the application process
- an independent survey
- recommended options and quote provided
- customer selection of their preferred option noting that they will have to contribute if the option they select is over the £5,000 grant limit (for Essex and AW customers).
- guidance for after care and opportunity to provide feedback

Mr Fell's presentation concerned Stansted Mountfitchet Property Flood Resilience Scheme and included:

- a map of the relevant area
- the rivers and the areas at risk of flooding
- options concerned
- details of the funding provided by RFCC to provided assistance to 51 properties
- engagement events in the area
- estimated completion March 2020

#### **5 Essex Capital Flood Programme 2019-20 update**

The Board received a report (**EFPB/10/19**) from Dave Chapman, Project Delivery Manager, on the progress of schemes in the Capital Programme

The Board were reminded that the Capital Flood Programme has a £19 million ECC budget broken down over 5 years. 2019/20 capital programme has an ambitious budget of £3.7 million for projects with a view to obtain £2.1 million in external funding. In order to deliver schemes on the Flood

Programme, a number of consultants and in-house expertise is being used to design and build individual projects.

Mr Chapman highlighted the main issues from the report which included:

- funding challenges with external funding being obtained from a wide range of stakeholders including the Environment Agency, Anglian Water and District Councils
- confirmation of the receipt of £2.1m from the Environment Agency to support the £1.6m contribution from ECC thereby resulting in generating 65% of the annual capital budget from external funding.
- The total number of properties benefitting from reduced surface water flood risk as a result of the schemes on the 2019/20 capital programme is 337.

John Meehan advised the Board that he was more optimistic that capital funding may be available from ECC for 2020/21

The Board **NOTED** the report

#### **6 Coggeshall and Chelmsford Schemes - Environment Agency update**

The Board received a presentation from James Mason, Essex PSO Team Leader for the Environment Agency, on the progress of the Coggeshall Feering and Kelvedon Flood Alleviation Scheme

The presentation included:

- background
- how the Scheme has developed
- options considered
- Blackwater Aggregates initial offering
- dam location
- balance of scope
- the site and planning applications
- restoration objectives
- 4 phases- each 5 years
- summary and next steps

#### **7 Any Other Business**

Tim Simpson advised the Board that Lucy Shepherd would be on maternity leave from the end of September and that he would be covering her role.

#### **8 Date of Next Meeting**

The Board noted that the next meeting would be held on Wednesday 23rd October 2019, at 10.00am County Hall Chelmsford. This meeting might be replaced by a site visit and confirmation will be provided nearer to the date.



The meeting closed at 11.35am

**Chairman**

<b>Report title: Green Essex Strategy Update</b>	
<b>Report to: Essex Flood Partnership Board</b>	
<b>Report author: Ian Doyle, Acting Director of Environment &amp; Climate Action</b>	
<b>Date: 30 January 2020</b>	<b>For: Discussion</b>
<b>Enquiries to:</b> Jayne Rogers, Environment Officer, <a href="mailto:jayne.rogers@essex.gov.uk">jayne.rogers@essex.gov.uk</a> , 03330136729, John Meehan, Head of Sustainability & Resilience, <a href="mailto:john.meehan@essex.gov.uk">john.meehan@essex.gov.uk</a> , 07827 976397	
<b>County Divisions affected: 'All Essex'</b>	

## 1. Introduction

- 1.1 To provide an update on the progress of the development of a Green Essex Strategy and introduce the active projects that are aligned to Place and Public Health Business plan, such as the Essex Forest Initiative.

## 2. Action required

- 2.1 For information and support in working in partnership to implement the Green Essex Strategy.

## 3. Background

- 3.1 The Green Essex Strategy was originally presented to the Essex Flood Partnership Board in January 2019.
- 3.2 In 2017, Councillor John Spence at Political Leadership Team (PLT) raised the importance of developing quality green spaces across Essex to accompany planned growth in the county over the next twenty years. In the absence of a Green Infrastructure (GI) Strategy, PLT agreed for the development of a Strategy for Essex.
- 3.3 The strategy was mentioned by the Leader of the Council, Councillor David Finch in the executive statement at Full Council on 8 October 2019, as part of our current action towards tackling climate change. The Council has not declared a climate emergency – but a Climate Action Plan, recognising action is more important than words. Climate Change is the biggest single issue facing not just Essex, but the entire world. More needs to be done to make a difference and by working with staff, partners, businesses, residents and communities, the council will lead on reducing emissions, energy usage and waste across Essex, including protecting and enhancing our GI.

#### **4. Green Essex Strategy**

- 4.1 The purpose of the strategy is to understand the values our current green infrastructure provides and its potential to provide in the future in terms of environmental, social and economic benefits. The aim is to guide and shape planning and other services through setting principles that can inform plans and strategies to enhance, protect and create an integrated network of high-quality GI in Essex. These will enable a coherent approach and partner collaboration and maximise funding opportunities in the delivery of multi-functional natural assets.
- 4.2 The strategy is accompanied by an action plan which sets out priority actions which is also the basis of the Place & Public Health Business actions over the next 15 years.

#### **5. Update and Next Steps**

- 5.1 The strategy went out to public consultation in May 2019 for a period of 9 weeks.
- 5.2 The strategy is in final draft.
- 5.3 Begin the governance process, seek support and sign-off by the Executive Director and Portfolio Holder, Councillor Simon Walsh and put on the Forward Plan in order to present to Cabinet for 17 March 2020.
- 5.4 Once the strategy has been adopted the action plan, which sets out a programme of actions for implementation of the Green Essex Strategy will be further developed and formalised to achieve GI objectives.
- 5.5 Establish a Green Essex Network with partners and stakeholders (building upon the current online Knowledge Hub partnership), that will oversee the operations and delivery of the strategy and partner GI actions.
- 5.6 Through this network we will aim to establish a Green Essex charitable foundation to raise funds that support the delivery of GI across Essex.
- 5.7 Start to implement projects from phase one of the Green Essex Strategy Action Plan prioritised for years one and two of the strategy, which include the following:
- Greening town centres – air pollution amelioration
  - Green Essex Network
  - The ECC Roof Garden project – Greening County Hall
- 5.8 Continue creating green spaces which also function as Natural Flood Management and SuDs schemes Develop the Coast Path - “Path to Prosperity”
- 5.9 The Essex Forest Project – planting of 375,000 trees 2019-2025.

## **6. List of Appendices**

- 6.1 Power Point presentation on the update of the Green Essex Strategy.

# Green Essex Strategy Update



John Meehan, Head of Sustainability & Resilience  
Jayne Rogers, Environment Officer

Page 13 of 33

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# Overview

- Green Essex Strategy Progress
- Consultation feedback
- Next Steps
- Imminent and Active Projects

*“Tackling climate change is not just the role of one person, or one administration, or one country. We are all responsible custodians for our world. But by working with staff, partners, businesses, residents and communities, we will lead on reducing emissions, energy usage and waste across Essex, while increasing the amount of green infrastructure we have.”*

Councillor David Finch, Leader of the Council - Full Council 8th October –  
Leader’s Executive Statement

# Green Essex Strategy Progress

- The strategy is in final draft
- Currently with Places Services to be formatted professionally
- Feedback from Uttlesford District Council to be confirmed
- Building With Nature Accreditation





# Vision

The old Vision was:

*'We will protect and grow a high quality connected green infrastructure network which extends from our city and town centres to the countryside and coast which is designed for people and wildlife whilst being self-sustaining.'*

**The new vision is:**

*'We will protect, develop and enhance a high quality connected green infrastructure network that extends from our city and town centres, and urban areas to the countryside and coast and which is self-sustaining and is designed for people and wildlife.'*



# Objectives

## The old Objectives



## The new Objectives



# Strengthening the Strategy

GI Planning Policy Matrix Assessment and workshop - <https://mainstreaminggreeninfrastructure.com/project-page.php?green-infrastructure-planning-policy-assessment-tool>

Section	Key Summary Chapter Action
Evidence	The evidence gathered in the development of this strategy can provide us with confidence that green infrastructure is already an important component of the character and success of the County. Ensuring that this continues - we will build upon the current evidence base and undertake a gap analysis for any deficits in the data (i.e. accessible and non-accessible green spaces) and green infrastructure provision.
Delivery	<ul style="list-style-type: none"> <li>We will conserve and enhance a multi-functional green infrastructure network, by maximising opportunities for the protection, enhancement, creation and connection of our green infrastructure network to maximise the collective social, economic and environmental benefits working in partnership with stakeholders (private, public and third sectors and community groups).</li> </ul>
Planning	<ul style="list-style-type: none"> <li>We expect green infrastructure to be planned at the earliest opportunity and address the multiple benefits (listed in the Green Essex Strategy).</li> <li>We would expect all development to set out the green infrastructure “checklist” showing how each element will be substantially addressed and should follow the key green infrastructure planning principles listed under 8.1.</li> <li>Restoration and mitigation plans for mineral and waste sites should ensure that opportunities to create and link biodiversity and habitats are fully explored to create mitigation and environmental net gains.</li> </ul> <p>Checklist topics include: Multiple green infrastructure functions and benefits, biodiversity, active travel and mobility, carbon sequestration, landscape, habitat connectivity, air quality, water environment, inclusivity, management and maintenance etc</p>
Highways & other routes	<ul style="list-style-type: none"> <li>Sustain and improve existing Greenways and Highways green infrastructure network working in collaboration with partners, whilst engaging and involving Parish Councils and communities.</li> <li>New development will use appropriate green infrastructure design and its multi-functions that will enhance the quality ,ease of accessibility, inclusivity and connectivity to green spaces, local amenities and across the development</li> </ul>
Coast	<ul style="list-style-type: none"> <li>Opportunities for multifunctional green infrastructure should be maximised by developments located within the developed areas of the coast and coastal projects, such as the Coast Path in Essex. These developments should include the restoration, enhancement, connection and protection of the watercourses and coastal areas providing environmental, economic and social benefits. This should be delivered using adaptive design and in accordance with the guidance and actions set out in the Shoreline Management Plans, RAMS, Local Plans and South East Inshore Marine Plan.</li> </ul>

Section	Key Summary Chapter Action
Delivery Flooding	<ul style="list-style-type: none"> <li>• All development proposal should incorporate SuDS and natural flood management techniques. This should demonstrate multifunctional green infrastructure solutions to flood management. Development should include biodiversity and open space provision, which will enhance biodiversity, natural capital and provide aesthetic and amenity value; and safe public access. These designs should draw on national and local best practice guidance and must comply with requirements set out in the Essex SuDS Guide and national policy.</li> </ul>
Energy	<ul style="list-style-type: none"> <li>• Promote green infrastructure:               <ul style="list-style-type: none"> <li>○ As a mitigation tool for Energy (i.e. energy production, reduce emissions and renewable infrastructure).</li> <li>○ To make urban areas liveable against the effects of climate change, through for example, insulating buildings, shading against UV rays and mitigating against the Heat Island effect.</li> </ul> </li> <li>• Policies and plans should maximise green infrastructure through making connections between energy and at least three or more of the following sectors: heritage assets; recreation and access; biodiversity and social exclusion, to ensure multi- purpose and functional use.</li> </ul>
Health & Wellbeing	<ul style="list-style-type: none"> <li>• Promote community-led activity to enable inclusive use of green infrastructure, that will provide health and wellbeing benefits.</li> </ul>
Education	<ul style="list-style-type: none"> <li>• Developments to enhance school grounds for environmental education and biodiversity or open links to green spaces to provide access for existing schools.</li> <li>• Promote environmental education for encouraging hands-on-stewardship or restoration of green infrastructure, as well as provide opportunities for programmes such as Forest Schools and further education courses.</li> </ul>
Agriculture	<ul style="list-style-type: none"> <li>• Rural communities and associated stakeholders should be supported to create and enhance green infrastructure as a tool to address identified health and wellbeing needs.</li> </ul>
Implementation & Monitoring	<ul style="list-style-type: none"> <li>• Green infrastructure needs continued investment and managing to ensure that the benefits from green infrastructure is maximised. This will be achieved through the creation of a Green Essex Fund and exploring other funding opportunities mentioned in this strategy. Contributions towards local green infrastructure projects will be sought where green infrastructure is provided as part of a development, applicants should also detail how it will be maintained in the long term.</li> <li>• We will form better partnership working across Greater Essex to deliver a green infrastructure network</li> </ul>

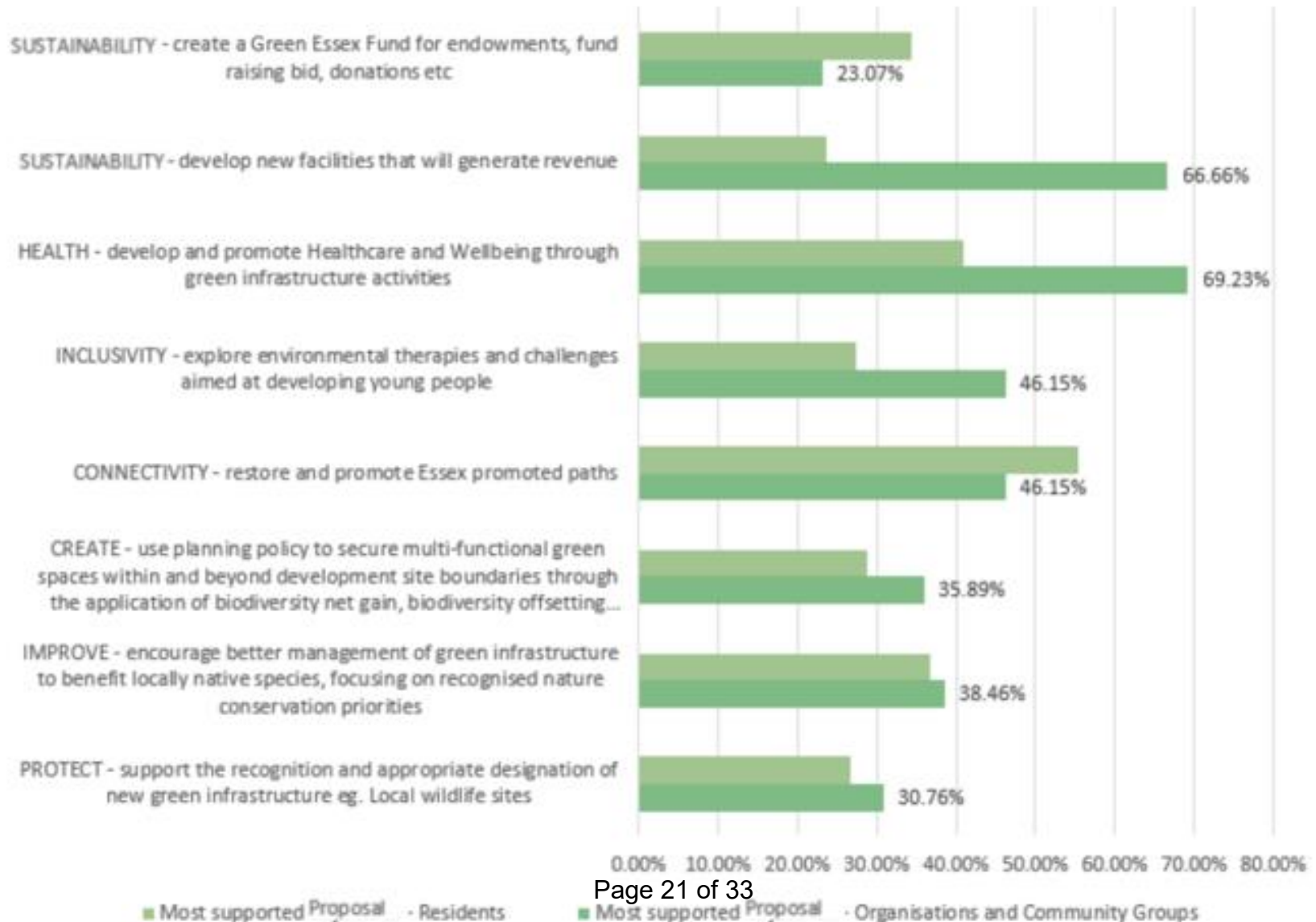
# Consultation Feedback

- Public Consultation May 2019
  - 931 people & 39 organisations and community groups responded to the online questionnaire
  - Further 9 organisational detailed written responses
- Key headline conclusions from the online questionnaire:
  - Most popular use is for leisure time
  - Areas of concern - Fragmentation & development growth

Of the respondents	People	Organisation & Community Groups
Agreed with both vision and objectives	53%	90%
Easier access would increase use of green space	58%	72%
Feeling safe is an important factor in using green space more	49%	51%
Agreed that objectives and proposals were deliverable	41%	72%



# Consultation Feedback



# Next Steps

- Governance

Sign off by Executive Director (sponsor)	Jan20
Sign Off by Portfolio Holder	Jan-20
PLT	TBC
Equality Impact Assessment	04-Feb-20
Submit report to S151 & Monitoring Officer	04-Feb-20
Report on forward Plan & Cabinet Decision Tracker	04-Feb-20
Approved report submit to cabinet member	11-Feb-20
Cabinet member submit to Leader & CE	18-Feb-20
Final report to S151 & MO	03-Mar-20
Cabinet Meeting	17-Mar-20
3 Day Call- in	20-Mar-20
If no call- in after 5pm on 3 day publish	23-Mar-20

- Partnership Engagement
- Green Essex Network
- Green Essex Foundation
- Green Essex Action Plan



# Imminent Projects

- Green Infrastructure Garden Communities and Development consultation service
- Create town or village circular routes especially in areas of green infrastructure deficiency.
- Restore and Promote Essex promoted paths.



# Active Projects

- Greening town centres – air pollution amelioration
- Green Essex Network
- The ECC Roof Garden project
- Canvey Make Rainwater Happy – Flood prevention
- Develop the Coast Path - “Path to Prosperity”
- The Essex Forest Project – 375,000 trees 2019-2025



# Green Essex Strategy – 2019-2020

## Milestones

Projects/Action	Milestones
Create a Green Essex Network to develop, improve and promote Green Essex	Create Network group and have first meeting
Greening County Hall: Working with MITIE and explore opportunities of garden roofs on ECC Estate and establish a volunteer Gardening Group	Receive permissions and support of FM and Mitie and carry out Garden design workshop with ECC employees
Continue creating green spaces which also function as Natural Flood Management and SuDs schemes	Complete 2 SuDS on Canvey

# Develop the coast path in Essex

## Milestones for 2019- 20

- Install 7 People counters
- Install 28 maps in Train Stations
- Establish a Hopper Bus Service servicing the Coast Path

## Milestones for 2020-21

- Open first of 9 stretches of 350 miles coast
- 
- Launch the Coastal Hopper Bus
- Install 72 maps at bus stops





# Essex Forest Initiative

- Launched the Essex in Tree Week on the 23<sup>rd</sup> November 2019
- Planted 61 trees
- With local school children, the Leader, local Councillor, Wendy Scmitt and Andy Wright, the Chief Executive of Braintree District Council



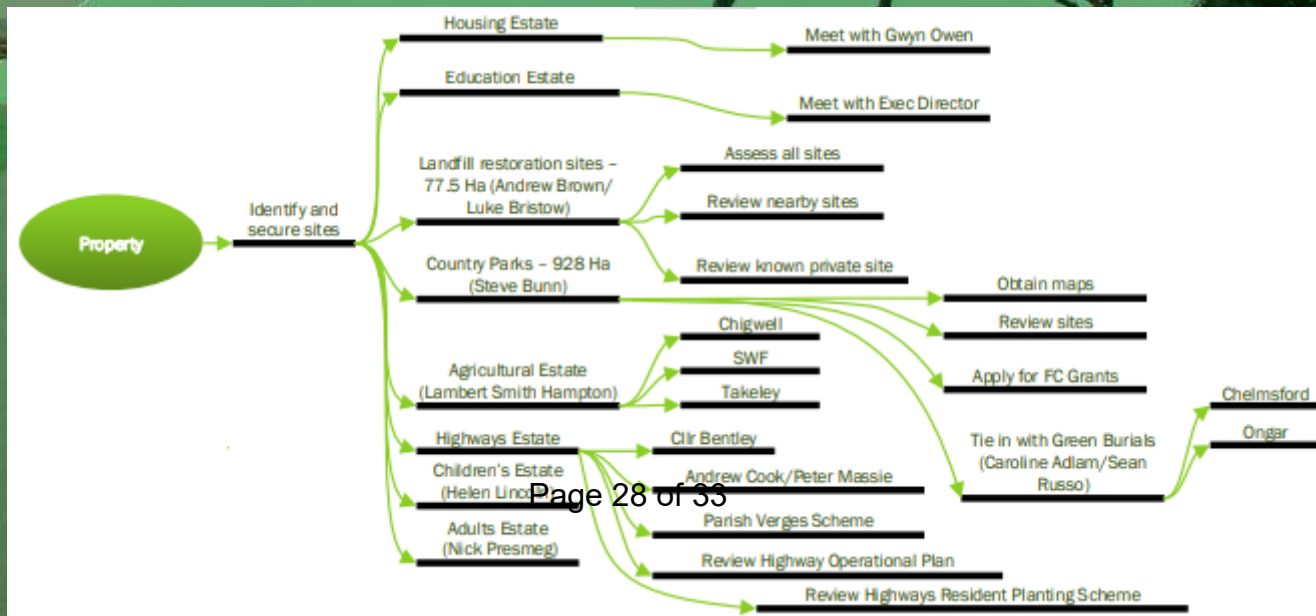
# Plantings

## 2019-20

- Great Notley Country Park,
- Belhus Woods Country Park,
- Lubbins Park Academy School, Canvey Island,
- Park Avenue, Canvey,
- Flood alleviation tree planting schemes at Braintree, Witham, Epping and Maldon.

## 2020-21

- Chelmer Valley - 20,000 trees
- Former Landfill, Ongar - 20,000 trees
- Hill Farm Chigwell - 8,000 trees





# Working with our partners

- District , City and Borough authorities
- Charities,
- Parishes,
- Communities
- Land owners
- Individuals



# Thank You



<b>Report title: 2019/20 Essex Capital Flood Programme update</b>	
<b>Report to: Essex Flood Partnership Board</b>	
<b>Report author: David Chapman Project Delivery Manager</b>	
<b>Date: 30 January 2020</b>	<b>For: Discussion</b>
<b>Enquiries to: John Meehan Head of Sustainability and Resilience</b> <a href="mailto:john.meehan@essex.gov.uk">john.meehan@essex.gov.uk</a> , 07827 976397	
<b>County Divisions affected: 'All Essex'</b>	

## 1. Purpose of report

- 1.1. To update the Flood Board on the 2019/20 Capital Flood Programme.

## 2. Background

2.1 The Capital Flood Programme has a £19 million ECC budget broken down over 5 years. The 2019/20 capital programme has an ambitious budget of £3.7 million for projects with a view to obtain £2.1 million in external funding. In order to deliver schemes on the Flood Programme, we are using several consultants and in-house expertise to design and build individual projects.

2.2 The Capital Flood Programme is broken down into two elements:

- 1) Property Flood Resilience (PFR) is a scheme that offers residents of previously flooded properties an opportunity to apply for individual property protection. The applications are then vetted and prioritised.
- 2) Capital funded Flood Alleviation Schemes (FAS) form the bulk of the programme; this focuses on delivering projects on the ground in the areas most at risk of surface water flooding. Below is more specific detail on the Capital Programme FAS.

## 3. External funding update

3.1 Over the completed four years of the programme, we have developed strong working relationships with a wide range of stakeholders such as the Environment Agency, Anglian Water and Borough/District and City Councils. During this process the Flood and Water Management team has been able to attract external contributions and income to support several functions, these include

- Feasibility and assessment studies
- Delivery of capital flood alleviation schemes

- Delivery of the Property Flood Resilience projects

We have a target of generating 25% of our annual budget from external stakeholders such as those mentioned above. The difference in 2019/20 is that we were tasked with increasing external contributions, I'm pleased to report that we have been able to secure £2.1m from our Environment Agency colleagues to support the £1.6m contribution from ECC thereby resulting in generating 65% of our annual capital budget from external funding. The contributions received so far this year are as follows:

- Flood Defense Grant in Aid and Local Levy £542k
- EU grants £85k
- External stakeholder contributions £165k

This is in addition to

- £125,771 generated in 2014/15
- £225,227 generated in 2015/16
- £436,490 generated in 2016/17
- £1.63m generated in 2017/18
- £1.57m contributions secured in 2018/19

### 3.2 Delivery programme

- B3 Braintree – This scheme is complete and fully operational. This project has generated funding from our EA partners.
- W6 Witham – This scheme is complete and fully operational. This project has generated funding from our EA partners.
- West Mersea – The Community Emergency Group has been set up. The planning application has been submitted.
- West Horndon – Delivery is on hold until the legal agreement has been signed. This scheme is likely to continue in to 2020/21.
- BAS17 Pitsea phase 2 – Planning has been approved and work is scheduled to start in February.
- EPP2 Hillyfields – This scheme is complete and fully operational. This project has generated funding from our EA partners.
- River Slade – The site clearance work is complete and construction is scheduled to start in March.
- MAL2 Maldon Central – Work is scheduled to start in late January 2020.

3.3 The total number of properties benefitting from reduced surface water flood risk as a result of the schemes on the 2019/20 capital programme is 337. So far this year 95 properties have benefitted from the completed schemes.

## 4 Flood programme summary

4.1 During the current programme we have demonstrated the success achieved and the benefits delivered to residents of Essex. The current programme has seen



over 75 sites investigated for the potential to deliver capital schemes. The knowledge gained from these projects will help to unlock more funding in the future and reduce the risk of surface water flooding to more residential properties in Essex.

By the end of the current programme it is estimated that over £6.0m pounds worth of external funding will have been realised through the delivery of schemes and reduced surface water flood risk to over 1300 residential properties.

4.2 Unfortunately the Basildon Hospital scheme did not win either of the 2 awards it was nominated for but we will continue to promote our schemes.

## **5 Recommendation**

5.1 For Essex Flood Board Members to note the successes of the capital programme. Including this year's achievements, we have reduced surface water flood risk to over 1000 properties and generated more than £3.9m worth external income, rising to £6m by the end of this financial year. Using the lessons learned, combined with developing stronger partnership working the aim is to continue the upwards trend and we hope to retain this level of service, and where possible improve it for future years.