



Essex County Council

## Essex Flood Partnership Board

<b>10:00</b>	<b>Thursday, 05 April 2018</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:** [Lisa.siggins@essex.gov.uk](mailto:Lisa.siggins@essex.gov.uk)

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<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 25th January 2018.	<b>5 - 10</b>
<b>3</b>	<b>Reorganisation - Environment and Waste</b> To receive a verbal introduction from Mark Ash, Director of Waste and Environment and John Meehan Head of Sustainability and Resilience.	
<b>4</b>	<b>2017-18 Essex Capital Flood Programme update</b> To receive a report ( <b>EFPB/05/18</b> ) and verbal update from Dave Chapman, Delivery & Enforcement Manager, on the progress of schemes in the Capital Programme 2018/19.	<b>11 - 15</b>
<b>5</b>	<b>Essex Community Flood Improvement Fund and Property Level Resilience grant update</b> To receive a report ( <b>EFPB/06/18</b> ) and a verbal update from Oladipo Lafinhan, Flood Partnerships Funding Co-ordinator, regarding flood grants.	<b>16 - 18</b>

Presentations from PLP partners and guest speakers  
Aquobex, Cambridge Housing Society and Anglian Water.

- 6 End of year Finance Reporting**  
To receive PowerPoint presentations from key partners regarding end of year spend on flood and water management in Essex.
- 7 Development and Flood Risk Update**  
To receive a verbal update from Tim Simpson, Development and Flood Risk Manager, regarding the Essex Development and Flood Risk (SuDS consultee) Service.
- 8 European Project City and a Sponge**  
To receive a PowerPoint presentation from Lee Sencier Project Design Engineer.
- 9 Any Other Business**
- 10 Date of Next Meeting**  
To note that the next meeting will be Thursday 5th July 2018 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)

To consider whether the press and public should be excluded from the meeting during consideration of an agenda item on the grounds that it involves the likely disclosure of exempt information as specified in Part I of Schedule 12A of the Local Government Act 1972 or it being confidential for the purposes of Section 100A(2) of that Act.

In each case, Members are asked to decide whether, in all the circumstances, the public interest in maintaining the exemption (and discussing the matter in private) outweighs the public interest in disclosing the information.

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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 – Peta Denham has replaced Graham Verrier as an Environment Agency representative.
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
Jon Wilson	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
Dave Bill	Essex County Fire and Rescue Service
Cllr Alan Ball	Basildon Borough Council
Cllr Wendy Schmitt	Braintree District Council
Cllr Tony Sleep	Brentwood Borough Council
Cllr Ray Howard	Castle Point Borough Council/ECC
Cllr Neil Gulliver	Chelmsford City Council
Cllr Mark Cory	Colchester Borough Council
Cllr Will Breare-Hall	Epping Forest District Council
Cllr Danny Purton	Harlow District Council
Cllr Andrew St Joseph	Maldon District Council
Cllr Dave Sperring	Rochford District Council
Cllr Mick Skeels	Tendring District Council
Cllr Martin Terry	Southend on Sea Borough Council
Cllr Gary Collins	Thurrock Council
Cllr Vic Ranger	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 Thursday, 25 January 2018 at 10.00 am**

### **Present:**

#### **Members of the Board:**

Cllr Simon Walsh (Chairman)	Essex County Council
Cllr Will Breare-Hall	Epping Forest District Council
Kathryn Dedman	Essex County Council
Cllr Frank Ferguson (substitute for Cllr Allan Ball)	Basildon Borough Council
Cllr Ray Howard	Castle Point Borough Council
Rachel Keen	Environment Agency
John Meehan	Essex County Council
Cllr Andrew St Joseph	Maldon District Council
Graham Verrier	Environment Agency

### **Other persons present**

Milaila Bentz	Southend Borough Council
Trudie Bragg	Castle Point Borough Council
Lee Crabb	Braintree District Council
Qasim Durrani	Epping Forest District Council
James Ennos	Tendring District Council
Shirley Hall	Braintree District Council
Paul Hayden	RFCC
Oladipo Lafinhan	Essex County Council
David Prudence	Essex Highways
Lee Sencier	Essex County Council
Lisa Siggins	Essex County Council - Democratic Services
Tim Simpson	Essex County Council
Rob Wise	National Farmers Union

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

1. The membership of the Board was unchanged since the last meeting.

2. The following apologies were noted:

Cllr Ball – Basildon District Council– Cllr Ferguson attending as a substitute  
Cllr Purton – Harlow District Council  
Cllr Skeels – Tendring DC  
Cllr Sperring – Rochford District Council  
Dave Bill – Essex Fire and Rescue Services  
Jonathan Glerum – Anglian Water  
Graeme Kasselmann – Thames Water  
Peter Massie - ECC

3. There were no declarations of interest

## **2 Minutes**

The minutes of the meeting held on 5th October 2017 were agreed as a correct record and signed by the Chairman.

With regards to minute 6 (Highways Surface Water Alleviation Schemes), Councillor Howard asked for a progress update regarding Ouida Road in Canvey Island. David Prudence of Essex Highways advised that the Canvey Island Surface Water Alleviation Schemes (SWAS) are currently progressing through the design stage prior to delivery on the ground. The design team contacted him recently with the view that the SWAS schemes are inextricably linked with Anglian Water infrastructure issues in the same locations. He had arranged for a teleconference that afternoon between Jonathan Glerum from Anglian Water and Geoff Wood from the Jacobs design team to discuss how to work in partnership on these schemes. He advised that he will be de-briefed by Geoff Wood next week at which time he will provide Cllr Howard with an update on the situation.

## **3 CFIF Experience From A District/Borough Perspective**

The Board received a PowerPoint presentation from:

- Dean James and Patrick Bailly, Harlow District Council and
- James Ennos, Tendring District Council

The presentations gave pictorial examples of the schemes that were completed by the two District Councils as a result of the funding received from the Community Flood Improvement Fund (CFIF).

The Board were advised that all the schemes were very successful and

would not have been possible without the CFIF funding.

On behalf of the Board, the Chairman thanked the officers for their presentations. He encouraged other district councils to get in contact with the Flood team if they had similar schemes with which they needed similar assistance.

#### 4 **Capital Programme update**

The Board received report **EFPB/1/18** and verbal update from Dave Chapman, Delivery & Enforcement Manager, on the progress of schemes in the Capital Programme and the Outline Business Case for 2018/19.

Members were reminded of the three elements of the capital flood programme:

- Property Level Protection (PLP)
- Community Flood Improvement Fund (CFIF)
- Capital funded Flood Alleviation Schemes (FAS)

Dave Chapman gave the Board details of forecast external funding of £1.6m as set out in report **EFPB/1/18**. He advised that approximately 450 properties are set to benefit from reduced surface water flood risk as a result of the programme, which is greater than the original target of 377.

The Board were shown pictorial examples of completed schemes.

Graham Verrier from the Environment Agency (EA) advised that there would be further flexibility in the grant applications processes to the EA. The level of approval at which the Area Flood Risk Manager could approve funding applications has been increased for grant applications less than £100k to grant applications less than £500k and they will be working with the Flood team in this regard.

Dave Chapman advised that ECC were currently in the process of bidding for additional 'natural flood management' scheme delivery funding from the EA.

Councillor Howard gave his thanks to all those involved in the schemes delivered in Castle Point and John Meehan spoke of the benefits of the works, which are examples of multi benefit green infrastructure.

The Board **NOTED** the report and the update.

#### 5 **Essex Property Level Resilience update**

The Board received report **EFPB/2/18** and a verbal update from Oladipo Lafinhan, Flood Partnerships Funding Co-ordinator, regarding an update on Property Level Resilience (PLR).

The Board were advised that there is currently no ECC funding allocated for the continuation of the PLR scheme in 2018/19 and beyond. However, external funding has been secured from the E A and further funding is being sought.

Furthermore, an agreement has been made with Thurrock Council to deliver a number of PLR installations to its residents. The costs of the PLR installations would be recovered for Thurrock through a combination of Environment Agency and Anglian Water funding.

Members were informed of the progress made in the delivery of the 2017/18 phase of the project and that approval is being sought to tender for the selection of a preferred consultant to manage and deliver the 2018/19 phase of the PLR project.

Paul Hayden RFCC Anglian Eastern Chairman encouraged ECC to seek additional funding from the RFCC and from the EA.

The Board were informed of a visit to Canvey Island by Sir James Bevan. Graham Verrier gave the Board details of the visit, which included a visit to Castle Point Borough Council officers. The visit was in response to a request made by Sir James. Mr Verrier explained that Sir James witnessed a PLR project being installed and met with a local resident, hearing about her flood experience. This enabled him to understand how the scheme worked in practice. Mr Verrier thanked all those involved with the visit.

The Board **NOTED** the report and the update.

## **6 Essex Community Flood Improvement Fund update**

The Board received report **EFPB/3/18** and verbal update from Oladipo Lafinhan, Flood Partnerships Funding Co-ordinator, regarding an update on Community Flood Improvement Fund (CFIF).

The report gave details of the 13 applications received thus far in the 2018/19 phase, with the potential to reduce flood risk to 87 residential properties. Pictorial examples were included in the report and shown to the Board during the update.

The Board were informed of the observations made during the implementation of the 17/18 phase of this grant and of proposed changes which would further encourage increased take up and efficient delivery and implementation of future phases of the CFIF grant.

The observation included the issues experienced by parish councils and in order to assist in this issue, some District Councils have provided expertise



in connection with the CFIF application process. It is hoped that this could be replicated County-wide.

The Board **NOTED** the report and the update

**7 Local Flood Risk Management Strategy- A New Approach**

The Board received a PowerPoint presentation from Kat Dedman, Local Flood Authority Manager, on the review and communication of ECC Local Flood Risk Management Strategy.

The Board were reminded that a presentation was given at the October meeting by Better Agency who are working on behalf of ECC in this review. Members were given an overview of the objectives with the emphasis on engagement with the public and with developers in the County.

Members were informed that the Formal strategy document is being re-written and that website updates being planned for completion to coincide with Strategy.

A discussion followed regarding various ways to increase public awareness.

At the end of the item the Chairman advised that Kat Dedman will shortly be leaving ECC to take up a post at the Environment Agency. On behalf of the Board the Chairman offered his thanks to Kat for all her hard work and wished her well for the future.

**8 Essex Surface Water Management Plan Update**

The Board received report **EFPB/4/18** and PowerPoint presentation from Lee Sencier Watercourse Regulation Engineer.

The Board were advised that ECC has recently undertaken a review of the numbers of properties at risk of pluvial flooding across the county. The review has been carried out to capture the most up to date standards, modelling methods and data availability. Full details of the review were set out in the above mentioned report.

Some key changes in the way national flood mapping data is produced and the method/ criteria used to identify properties at risk of pluvial flooding has led to some significant changes in the flood risk area rankings to be reported in the Local Flood Risk Management Strategy.

The report highlighted observations made during the review of properties at risk of pluvial flooding across Essex, along with the Surface Water Management Plan hydraulic modelling update. It also included details of changes to the numbers of properties identified as being at risk of surface water flooding across Essex and reclassification of flood risk areas for inclusion in the Local Flood Risk Management Strategy. This will be the subject of approval via the ECC governance process.

The Board were also asked to note the update to the existing SWMP hydraulic modelling, revised CDA boundaries and revised properties at risk counts are to be adopted as a technical addendum to the existing Surface Water Management Plans for Essex which will be subject to approval via the ECC governance process.

Councillor Howard raised an issue regarding the River Roach in his District. John Meehan explained the difficulties due to the geographic setting and that consequently solutions are limited.

The Board **NOTED** the report and the update.

**9 Any Other Business**

Councillor St Joseph requested an update regarding Minute 7 of the meeting of 5<sup>th</sup> October, concerning the scheme in Heybridge. Dave Chapman provided an update but advised that despite all efforts being made, unfortunately this scheme was not financially viable and that other alternative routes would need to be used.

**10 Date of Next Meeting**

The Board noted that the next meeting would be held on Thursday 5th April 2018 at 10.00am County Hall Chelmsford.

The meeting closed at noon.

**Chairman**

<b>Report to:</b> Essex Flood Partnership Board	<b>Report Number:</b> EFPB/05/18 <b>AGENDA ITEM 4</b>
<b>Date of report:</b> 22/03/2018	<b>County Divisions affected by the decision:</b> All
<b>Title of report:</b> 2017/18 Essex Capital Flood Programme update	
<b>Report by:</b> David Chapman Project Delivery Manager	
<b>Head of Service:</b> John Meehan Head of Sustainability and Resilience	
<b>Enquiries to:</b> John Meehan Head of Sustainability and Resilience 07827 976397	

## 1. Purpose of report

1.1. To update the Flood Board on the 2017/18 Capital Flood Programme

## 2. Background

2.1 The Capital Flood Programme has a £19 million ECC budget broken down over 5 years. It has an ambitious programme in 2017/18 of £4.4 million for grants and projects. In order to deliver schemes on the Flood Programme, we are using a number of consultants and in house expertise to design and build individual projects.

2.2 The Capital Flood Programme is broken down into 3 elements

- 1) Property Level Protection (PLP) is a scheme that offers previously flooded properties an opportunity to apply for individual protection. The applications are then vetted and prioritised. The latest PLP information and the 2017/18 PLP programme will be covered by Oladipo Lafinhan in item 5.

- 2) The latest Community Flood Improvement Fund (CFIF) information will be covered by Oladipo Lafinhan in item 5.
- 3) Capital funded Flood Alleviation Schemes (FAS) forms the bulk of our programme; this area 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 for capital schemes**

3.1 Over the past couple of years, as a result of partnership working with a wide range of stakeholders such as the Environment Agency, Anglian Water and District Councils, the Flood and Water Management team has been able to attract external contributions and income to support a number of functions. These include

- Feasibility and assessment studies
- Delivery of capital flood alleviation schemes
- Delivery of the Property Level Protection project

The Flood Team has generated a total of £1.63m worth of external funding as a result of the work we have carried out on this year's capital programme. The funding allocation is as follows:

HAR2 Kingsmoor £173k

ROC1 Rayleigh West £305k

CAS3 East Thundersley £97k

HAR6 Brays Grove £386k

COL2B The Hythe £114k

Thorpe-le-Soken £35k

Ashdon £35k

Anglian Water £49.5k

Feasibility studies £215k

Property Level Protection £199k

Canvey Island CCTV studies £28k

The amount of income generated by the capital programme is 35% of our annual budget, which is above the 25% target that was set at the start of the year.

This is in addition to

- £125,771 contributions secured in 2014/15
- £225,227 contributions secured in 2015/16 and
- £436,490 contributions and income secured in 2016/17

### **3.2 Planning Applications**

All 4 planning applications for this year's priority schemes were successfully submitted and approved.

In order to speed up delivery of the capital programme, this year the flood team has delivered a number of schemes using permitted development rights available to us as a Lead Local Flood Authority. Using permitted development rights has proven to be very successful and will be used in future years of the programme.

### **3.3 Delivery programme**

- ROC1 Rayleigh West – Both phases are now complete and in operation. Compliments have been received from Sweyne Park School and RDC regarding the completed works.

- CAS3 West Wood – The scheme is now complete and in operation. Our partners, CPBC have given the finished scheme their approval.
- COL2B The Hythe – Work started on site in February and is due for completion in the first week of April.
- HAR2 Kingsmoor – Bund construction started in February and is progressing on schedule. Works are programmed for completion by the end of March.
- HAR10 Nettleswell – Work started on site in February and is programmed for completion by the end of March.
- HAR6 Brays Grove phase 1 – Work started on site in March and is due for completion by mid-April.
- HAR6 Brays Grove phase 2 – Due to complications in obtaining planning approval, the process took 16 weeks instead of the normal 8. This has meant that delivery of this phase will not start until April and is forecast for completion in June.
- ROC7 Ashingdon – Additional ecology issues have been identified on this scheme and delivery has been postponed until mid-2018.

3.4 The total number of properties benefitting from reduced surface water flood risk as a result of all completed schemes on the 2017/18 capital programme is 405; this exceeds the target of 377 that was set at the start of this financial year.

## **4. Recommendation**

4.1 For Essex Flood Board Members to note the 2017/18 capital programme was the biggest in terms of budget and target for properties protected and these have been over achieved. In the 3 years the programme has been running we have been on an upwards trend and we hope to retain this level of service for future years.



<b>Report to:</b> Essex Flood Partnership Board	<b>Report Number</b> <b>AGENDA ITEM 5 (EFPB/06/18)</b>
<b>Date of report:</b> 05/04/2018	<b>County Divisions affected by the decision:</b> All
<b>Title of report:</b> Essex Community Flood Improvement Fund and Property Level Resilience grant update	
<b>Report by:</b> Dipo Lafinhan Commercial & Project Development Officer	
<b>Head of Service:</b> Tom Day, Head of Commercial Development	
<b>Enquiries to:</b> Dipo Lafinhan, Commercial & Project Development Officer - 03330 139512	

## 1. Background

- 1.1 In 2017/18 Essex County Council set aside £400,000 of its Capital Flood Prevention Programme to provide a Community Flood Improvement Fund grants to other flood risk management authorities, charities, community groups, farmers and or landowners committed to delivering projects resulting in the reduction of flood risk to Essex residents.
- 1.2 In 2017/18 Essex County Council set aside £600,000 for the delivery of 100 PLR installations to flooded residents of the County in 2017/18. This is a £5,000 per property grant available for the installation of Property Level Resilience measures available to Essex residents who have been internally flooded in the past.

## 2. Purpose of report

- 2.1 To highlight the progress made during the implementation of the 17/18 phase of the CFIF and PLR grant schemes and to outline the progress in the procurement process for the delivery of the 2018/19 phase of the PLP grant.

## 3. Project Progress

- 3.1 During the 2017/18 CFIF phase, 8 flood risk management scheme have been completed while an additional 2 have started and are expected to be complete within a few weeks. These schemes will contribute towards the protection of 122 residential properties from the risk of flooding at a cost of £454,500. These schemes have been delivered by various applicants including District and Parish Councils, Community Organizations, Developers, a



Private Water company, a Housing Society and a Bowling Club (please see Appendix 1 for more details)

- 3.2 During the delivery of the 2017/18 phase of the PLR grant scheme, a total of 114 pre-installation surveys were conducted, 123 product surveys completed and 111 installations have been completed. The number of installations has surpassed the initial milestone of 100 installations. A total of 42 new PLR applications have been received in 2017/18, this is in addition to 8 properties from Thurrock. Total expenditure on the project is estimated at £677,000 while this is above the initial grant budget, this overspend has been offset by additional funding received from grants received in the 2017/18 phase which total £199,000.
- 3.3 Procurement for the 2018/19 phase of the PLR grant has gone out to tender. The terms of the project have been set for the completion of a minimum of 40 PLR installations at a cost of £268,000. This is the total project cost that has been agreed with Anglian Water for the delivery of PLR installations to DG5 properties. It is however expected that total number of PLP installations in 2018/19 will exceed the minimum of 40 specified in the tender. The delivery of the additional PLR applications received would be funded through EA grants already received and future applications to be made in 2018/19.

#### **4 Issues**

- 4.1 Partnership working with Anglian Water has contributed to the extension of the PLR grant into 2018/19. At least 40 flooded Essex residents who reported their flooding to Anglian Water will be getting PLR installations in 2018/19, those who reported theirs to Thames Water cannot, at the moment, be afforded such opportunity. A major factor for this has been the inability in getting Thames Water to agree to a Data Sharing Agreement. Therefore highlighting this concern to the RFCC level and taking collective action along with other LLFAs might result in a change of approach from Thames Water.

#### **5. Looking Forward**

- 5.1 Encourage our partners and other stakeholders in Essex to endeavor to continue to make more CFIF applications in order to provide relief to Essex residents affected by very frequent local flooding.
- 5.2 It is anticipated that the 2018/19 phase of the PLP scheme would begin in June 2018 with the scope to extend the contract for further grant phases in 2019/20 and 2020/21

## Appendix 1

### CFIF Schemes started/completed

