

**Proposed Decision to be taken by the  
Portfolio Holder for Finance and Property  
on or after 19 August 2016**

**Addition of Grendon and Bulkington Flood Risk  
Management Schemes to the 2016/17 Capital Programme**

**Recommendation**

That approval is granted by the Cabinet Portfolio Holder for Finance and Property to add the following two projects from Warwickshire County Council's (WCC) Flood Risk Management Team's 2016/17 investment plan to WCC's capital programme:

- Bulkington PLP Project. Estimated cost of £22,000 of which £12,000 will come from external grants and £10,000 from Warwickshire County Council's Flood Risk Management revenue budget (additional funding 2014-18 for flood risk management schemes).
- Grendon – Penmire Close Project. Estimated cost of £36,000 of which £20,000 will come from external grants and £16,000 from Warwickshire County Council's Flood Risk Management revenue budget (additional funding 2014-18 for flood risk management schemes).

**1.0 Key Issues**

- 1.1 Warwickshire County Council have undertaken options appraisal, including hydrological and hydraulic modelling and benefit-cost analysis for each of the schemes included in this paper. Scheme specific details are included below.

Bulkington PLP Project

- 1.2 The village of Bulkington lies some 4 km east of Bedworth. A small number of properties suffer flooding arising from hydraulic overloading of a highway culvert under the A4109 Coventry Road carrying the Wem Brook.
- 1.3 The outcome of the work of the WCC Flood Risk Management team has been a successful business case for external funding from the Environment Agency's (EA) six year programme. A letter confirming approval of our application dated 16<sup>th</sup> March 2016 can be found in supporting paper 1.

The total cost of the project, including contingency for risk, is estimated to be £22,000. This is to be funded through a £12,000 contribution from the EA's six year programme, an £10,000 contribution from (45% of the scheme cost) from

Warwickshire County Council's Flood Risk Management budget (additional funding 2014-18 from the County Council for flood risk management schemes).

#### Grendon – Penmire Close

- 1.4 The village of Grendon is on the A5 Watling Street 3km northwest of Atherstone. It also suffers flooding from hydraulically overloaded highway and surface water systems.
- 1.5 There are three main areas of flood risk within the village and this project will address the flooding hotspot at Penmire Close.
- 1.6 The outcome of the work of the WCC Flood risk Management team has again been a successful business case for external funding from the Environment Agency's (EA) six year programme. A letter confirming approval of our application dated 16th March 2016 can be found in supporting paper 2.
- 1.7 The total cost of the project, including contingency for risk, is estimated to be £36,000. This is to be funded through a £20,000 contribution from the EA's six year programme, a £16,000 contribution (44% of the scheme cost) from Warwickshire County Council's Flood Risk Management budget (additional funding 2014-18 from the County Council for flood risk management schemes).

## **2.0 Options and Proposal**

### Bulkington and Grendon

- 2.1 A number of options have been considered with Property Level Protection (PLP) being identified as the preferred and the most economically viable option to reduce internal property flooding within these two villages.
- 2.2 The specific proposal is for Property Level Protection to 9 properties. These were identified after a flood risk mapping exercise and community engagement with residents who expressed an interest in participating in the scheme. Individual property owners will be responsible for ongoing maintenance. Property owners will enter into an agreement prior to installation.
- 2.3 The protection provided to each property will be tailored to the specific needs of each property being defended. Typical protection would include installation of anti-flood air brick and vent covers, flood doors, demountable flood barriers, sump pumps beneath floor level and waterproofing to external walls and other porous surfaces.
- 2.4 Procurement will be batched into one contract to maximise procurement efficiency and secured via competitive tendering.

### 3.0 Timescales associated with the decision and next steps

#### Bulkington and Grendon

3.1 Subject to approval the installation of PLP could commence in October this year.

### Supporting Papers

Appendix 1: Letter from the Environment Agency confirming approval of a property level protection scheme in Bulkington.

Appendix 2: Letter from the Environment Agency confirming approval of a property level protection scheme in Grendon – Penmire Close.

### Background Papers

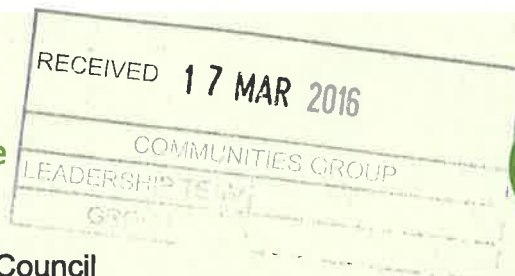
None

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The report was circulated to the following members prior to publication:

Other members: Cllr Matt Western, Cllr Phillip Morris-Jones, Cllr Neil Dirveiks, Cllr Nicola Davies, Cllr Alan Cockburn, Cllr John Horner

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**Environment  
Agency**

Warwickshire County Council  
 Michael Green  
 Flood Risk and Water Management Manager  
 Shire Hall  
 Warwick  
 CV34 4RL

**Our ref:** LDW41782  
**Your ref:**  
**Date:** 16 March 2016

Dear Michael

**The Flood & Water Management Act 2010**

**Approval of Application**

**Warwickshire County Council – Bulkington PLP Project**

I refer to your email Project Appraisal Report as application for grant aid towards the cost of this scheme, which is estimated to be £22k. I hereby confirm approval of the application in the submitted sum of £12k subject to the terms and conditions set out in the Memorandum Relating to Flood Risk Management Grants. Please pay particular attention to the requirement that works awarded grant must be properly maintained and necessary repairs adequately and promptly carried out.

The approved sum is calculated as follows:-

<u>Type of expenditure</u>	<u>Estimated cost £</u>
Preliminary investigations	£2,000
Construction Works	£17,000
Contingencies	£1,000
Other Costs	£2,000
<b>Total</b>	<b>£22,000</b>

Please note that you should send an interim grant claim form FCRM 3 to the Head of FCRM Finance in Exeter, and a copy of form FCRM 8 when the works are complete. Final account form FCRM 5, once audited as required, must be sent to the Head of FCRM Finance within 24 months of works completion date.

Please ensure the scheme number: LDW41782 is quoted on all future correspondence.

Yours sincerely

Mark Bowers  
 Area FCRM Manager (Staffordshire, Warwickshire and West Midlands)  
 Direct dial: 020302 53048  
 Direct e-mail: mark.bowers@environment-agency.gov.uk



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Warwickshire County Council  
 Michael Green  
 Flood Risk and Water Management Manager  
 Shire Hall  
 Warwick  
 CV34 4RL

**Our ref:** LDW41783  
**Your ref:**  
**Date:** 16 March 2016

Dear Michael

**The Flood & Water Management Act 2010**  
**Approval of Application**  
**Warwickshire County Council – Penmire Close**

RECEIVED	17 MAR 2016
COMMUNITIES GROUP	
LEADERSHIP TEAM	
GROUP	

I refer to your email Project Appraisal Report as application for grant aid towards the cost of this scheme, which is estimated to be £36k. I hereby confirm approval of the application in the submitted sum of £20k subject to the terms and conditions set out in the Memorandum Relating to Flood Risk Management Grants. Please pay particular attention to the requirement that works awarded grant must be properly maintained and necessary repairs adequately and promptly carried out.

The approved sum is calculated as follows:-

<u>Type of expenditure</u>	<u>Estimated cost £</u>
Preliminary investigations	£2,000
Construction Works	£28,000
Contingencies	£2,000
Other Costs	£4,000
<b>Total</b>	<b>£36,000</b>

Please note that you should send an interim grant claim form FCRM 3 to the Head of FCRM Finance in Exeter, and a copy of form FCRM 8 when the works are complete. Final account form FCRM 5, once audited as required, must be sent to the Head of FCRM Finance within 24 months of works completion date.

Please ensure the scheme number: LDW41783 is quoted on all future correspondence.

Yours sincerely

Mark Bowers  
 Area FCRM Manager (Staffordshire, Warwickshire and West Midlands)  
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