

REPORT TO: Cabinet

MEETING DATE: 10 May 2016

BY: Depute Chief Executive (Partnership and Services for Communities)

SUBJECT: Local Flood Risk Management Plan

1 PURPOSE

- 1.1 To update Cabinet on the Flood Risk Management process and seek approval of the Local Flood Risk Management Plan (LFRMP) for the Forth Estuary Local Plan District (FELPD) which includes proposed Flood Protection Schemes (FPS) for Musselburgh and Haddington and further Flood Studies in various locations in East Lothian.

2 RECOMMENDATIONS

- 2.1 That Cabinet approve the Local Flood Risk Management Plan.

3 BACKGROUND

- 3.1 A report to the May 2014 Cabinet meeting outlined the requirements of the Flood Risk Management (Scotland) Act 2009 and recommended approval of the Coastal Characterisation Report as part of the ongoing Flood Risk Management Strategy (FRMS) process.
- 3.2 A report to the October 2014 Cabinet meeting recommended approval of the Objectives and Short List of Actions as part of the ongoing FRMS process.
- 3.3 A report submitted to the Member's Library Service in February 2015 informed Members of the Public Consultation and provided details of SEPA's Short List of Potential Actions and the Delivery Plan for those Actions.
- 3.4 A report to the September 2015 Cabinet meeting recommended approval of the inclusion of proposed FPS for Musselburgh and Haddington and further Flood Studies, in SEPA's List of Prioritised Actions in their FRMS.

- 3.5 The publication of Local Flood Risk Management Plans is a requirement of the Flood Risk Management (Scotland) Act 2009. The LFRMP for the Forth Estuary Local Plan District is being published in June 2016 by City of Edinburgh Council, as FELPD Lead Local Authority, on behalf of a partnership of the Local Authorities in the FELPD, and other Responsible Authorities. The full LFRMP is available to view using the following link: www.edinburgh.gov.uk/flooding
- 3.6 The Objectives and Actions for the East Lothian Potentially Vulnerable Areas (PVAs) are detailed in Appendices 1 and 2 which have been published in the Members' Library Service reference: 47/16, April 2016 bulletin.

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The main actions are summarised in the following paragraphs:

PVA10/21 & PVA 10/22 Musselburgh Coastal and River Esk

- 3.7 A Flood Protection Scheme (FPS) is proposed for Musselburgh to reduce flood risk from the River Esk and tidal surges. The scheme would consist of flood defences of walls and earth embankments and would provide protection from a 1 in 200 year flood event.
- 3.8 The scheme is under development with the Options Appraisal Report received at this stage. The next stage is Outline Design and Approvals followed by Detailed Design. Construction is estimated to start in 2019 but this programme is dependent on confirmation of funding contribution from the Scottish Government.
- 3.9 Consultation and Engagement Exercises with the public and local groups will be undertaken during scheme development.
- 3.10 A Natural Flood Management (NFM) study to assess whether wave attenuation could help reduce flood risk is proposed for the coastal area of Musselburgh.
- 3.11 A Surface Water Management Plan (SWMP) that sets objectives for the management of surface water flood risk and identifies the most sustainable actions to achieve the objectives will be produced. The SWMP will incorporate Scottish Water outputs from their ongoing Integrated Catchment Study (ICS) for this area.

PVA10/23 East Lothian Coastal from Prestonpans to Longniddry & Tranent

- 3.12 A Flood Protection Study is proposed for this area to reduce flood risk from watercourse and coastal flooding. The study will take a catchment approach and consider the interaction between upstream and

downstream actions and potential effects on coastal processes along the shoreline.

- 3.13 Scottish Water's Integrated Catchment Study (ICS) also covers a large part of this area. If any issues are identified in the ICS, these will be included in the SWMP.

PVA10/24 Haddington & R Tyne

- 3.14 A Flood Protection Scheme (FPS) is proposed for Haddington to reduce flood risk from the River Tyne. An Option Appraisal Study is currently being undertaken – investigating flood defences in combination with upstream storage.

PVA10/24 East Lothian Coastal – Dunbar & West Barns

- 3.15 A Flood Protection Study is proposed for this area to reduce flood risk from watercourse and coastal flooding. The study will take a catchment approach and consider the interaction between upstream and downstream actions and potential effects on coastal processes along the shoreline.
- 3.16 The study will also assess the risk and mitigation of wave overtopping at North Berwick.

4 POLICY IMPLICATIONS

- 4.1 The Flood Risk Management (Scotland) Act 2009 places a statutory responsibility on the Local Authority to exercise their flood risk related functions with a view to reducing overall flood risk and complying with the EC Floods Directive. A key responsibility is the preparation of a Local Flood Risk Management Plan in accordance with the Directive.

5 INTEGRATED IMPACT ASSESSMENT

- 5.1 The Local Flood Risk Management Plan for the Forth Estuary Local Plan District is being published in June 2016 by City of Edinburgh Council, as FELPD Lead Local Authority, on behalf of a partnership of the Local Authorities in the FELPD and other Responsible Authorities. The Flood Protection Schemes and Studies in the Plan will undergo individual Integrated Impact Assessments during their development.
- 5.2 A Strategic Environmental Assessment (SEA) and Habitats Regulations Appraisal (HRA) have been undertaken for the Flood Risk Management Strategy document that has informed this Plan. As the Plan is based on the Flood Risk Management Strategy, no further SEA assessment has been undertaken. In order to confirm this was appropriate the City of Edinburgh Council submitted an SEA screening report via SEA Gateway. Screening responses received via SEA Gateway confirmed that the Plan is consistent with the Flood Risk Management Strategy and therefore no

further assessment is required at this time. Project level impact assessments will be undertaken where required by planning and environmental regulations.

- 5.3 The City of Edinburgh Council as lead local authority and competent authority, also undertook a Habitats Regulations Appraisal to ensure that the Plan will not adversely affect the integrity of Special Areas of Conservation and Special Protection Areas. Scottish Natural Heritage was consulted on the appraisal and their views have been taken into account. Mitigation has been applied where required to ensure that the Plan will not adversely affect the integrity of Special Areas of Conservation and Special Protection Areas. For further detail see Annex 9 of the Local Flood Risk Management Plan.

6 RESOURCE IMPLICATIONS

- 6.1 Financial - The financial provision for the preparation of the Flood Risk Management Plan (to be published in June 2016) and implementation of Flood Protection Schemes and Studies will be allocated from the 2015/16 and future year Flooding and Coastal Protection budgets.

The Scottish Government will contribute 80% of the cost of Flood Protection Schemes and will allocate 20% of the annual flood budget to enable Councils to undertake Studies.

Provision for the Council's contribution towards the Musselburgh FPS (current estimate £1.77m) has been identified in the re-profiled capital budget for Coastal Protection / Flooding.

Provision for the Haddington FPS and other Flood Protection Studies identified in the Flood Risk Management Plan, will be required in future years and will be subject to confirmation of contributions from the Scottish Government.

- 6.2 Personnel - None

- 6.3 Other - None

7 BACKGROUND PAPERS

- 7.1 Appendix 1 – Local Flood Risk Management Plan (without Annexes)
- 7.2 Appendix 2 – Local Flood Risk Management Plan Annex 1 for East Lothian Potentially Vulnerable Areas (PVA)

7.3 Appendix 3 – Local Flood Risk Management Plan Annex 2 – 10

Appendices 1, 2 and 3 are published in Members' Library Services, Reference: 47/16, April 2016 bulletin.

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