

AGENDA ITEM NO 5

REPORT NO 119/21

ANGUS COUNCIL

COMMUNITIES COMMITTEE – 20 APRIL 2021

FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009 - UPDATE

REPORT BY DIRECTOR OF INFRASTRUCTURE

ABSTRACT

This report provides an update on the requirements of the Flood Risk Management (Scotland) Act 2009, including consultation on the potential actions in the Cycle 2 2022-28 Flood Risk Management Plans for the Tay Estuary and Montrose Basin area and the Tay area.

1. RECOMMENDATION

It is recommended that the Committee:

- (i) note the work undertaken to date in partnership with SEPA to allow the publication of draft Flood Risk Management Strategies information for joint public consultation in 2021;
- (ii) note the cyber-attack on SEPA has impacted on the joint public consultation including dates for publication;
- (iii) agree to the publication of potential actions for the Local Flood Risk Management Plan for the Tay Estuary and Montrose Basin Local Plan District and the Tay Local Plan District as detailed in this report, for consultation by the end of July 2021;
- (iv) agree the authorisation of the required steps under Strategic Environmental Assessment for the Tay Estuary and Montrose Basin Local Flood Risk Management Plan up to the point of its adoption by the Council to ensure compliance with the requirements of the Environmental Assessment (Scotland) Act 2005;
- (v) note a further report on the final Flood Risk Management Strategies and Plans will be brought to committee after the joint public consultation with SEPA; and
- (vi) note that the final actions in the Local Flood Risk Management Plan will require to be considered for funding through the Council's financial budgeting processes for 2022/23 and future years.

2. ALIGNMENT TO THE ANGUS COMMUNITY PLAN/COUNCIL PLAN

This report contributes to the following local outcomes contained within the Council Plan 2019-2024 and Community Plan 2017-2030:

- an inclusive and sustainable economy;
- a reduced carbon footprint;
- safe, secure, vibrant and sustainable communities; and
- enhanced, protected and enjoyed natural and built environment

3. BACKGROUND

- 3.1 The Flood Risk Management (Scotland) Act 2009 (the "Act") places duties on the council as a responsible authority for the Tay local plan district, and lead authority and responsible authority for the Tay Estuary and Montrose Basin local plan district (reference Report Nos. 463/14 and 17/16).

- 3.2 This report refers to the development of the Flood Risk Management Strategies and Plans for the second flood risk management plan cycle from 2022-28.

4. CURRENT POSITION

4.1 FLOOD RISK MANAGEMENT STRATEGIES

The Scottish Environmental Protection Agency (SEPA) has undertaken flood mapping and assessment on a national scale, which identified Potentially Vulnerable Areas (PVAs). This was completed, publicly consulted on and concluded on 31 July 2018.

SEPA has identified flooding hot spots in each PVA, called Objective Target Areas (OTA). This has fed into SEPA's work of setting objectives and identifying actions (broad measures) to manage flood risk.

SEPA proposes to undertake the consultation on the Flood Risk Management Strategies by having a two-stage consultation. The consultation, published in December 2020, contains background details of OTAs only, and the second stage of consultation, which was due by the end of June 2021 will provide details of the objectives and actions. The risk that this consultation will not be published and completed by the end of June 2021 due to the cyber-attack has led to this date being extended to 21 July 2021, as detailed in section 4.4 below.

- 4.2 Under the Act, SEPA are required to consult publicly on the draft Flood Risk Management Strategies. A phased consultation over the period December 2020 to June 2021 (now July 2021 – see section 4.4) was planned for the characterisation, objective and measures stages.
- 4.3 Angus Council is Lead Local Authority for the Tay Estuary and Montrose Basin LPD, working in partnership with the other Responsible Authorities: Angus Council; Perth and Kinross Council, Fife Council; Aberdeenshire Council; Dundee City Council; as well as Scottish Water; SEPA; Cairngorms National Park Authority and Forestry Commission Scotland. Angus Council is also part of the partnership for the Tay LPD, for which Perth and Kinross Council is the Lead Local Authority.
- 4.4 Under the Act, the lead authority responsible for each Local Flood Risk Management Plan is required to consult publicly on the draft Plans. Section 35(1) of the Act has been subject to a Ministerial Direction in November 2020 to extend the deadline by which lead local authorities must publish a draft of the supplementary part of a local flood risk management plan to 31 March 2021. This extension is granted in support of a joint public consultation on the Strategies and Plans. However, as a result of the cyber-attack on SEPA (see section 4.5 below) and the increased COVID-19 lockdown, which have impacted on the draft Plans under preparation for this March 2021 date, a new Ministerial Direction to extend the date to 31 July 2021 was received on 24 March 2021.
- 4.5 On Christmas Eve 2020, SEPA confirmed that it was responding to a significant cyber-attack affecting its contact centre, internal systems, processes and communications. This has necessitated a slowdown in SEPA's work processes in relation to the Flood Risk Management Strategies and Local Flood Risk Management Plans 2022-28.
- 4.5 The draft Strategies will identify and describe the actions required to manage flood risk. The draft Plans will identify timings, funding and responsibilities for the actions to be implemented over the second six-year flood risk management cycle from June 2022.
- 4.7 The format and layout of the online consultation material has not yet been decided by SEPA. The purpose of this report is to inform members of the data that will be consulted on to enable development of the Flood Risk Management Strategies for publication by SEPA and Local Flood Risk Management Plans published by Angus Council, and to authorise the next steps of development of the Local Flood Risk Management Plans.

4.8 The potential actions identified in the Plans will be led by the appropriate responsible authority and will not necessarily impose a resource burden on the Council. The right-hand columns of the table in **Appendix 1** identify what potential actions can be undertaken to address the objectives for the OTAs. National actions are also set for application across council areas are presented in **Appendix 2**.

4.9 The OTA and local authority-wide actions are summarised as follows:

Action	OTA
Flood Protection Scheme/Works	Arbroath; Carnoustie and Barry; Monifieth; Montrose and Ferryden
Flood Study	Arbroath; Forfar; Kirriemuir
Surface Water Management Plan/Study	Arbroath; Brechin; Carnoustie and Barry; Forfar; Monifieth; Montrose and Ferryden
Adaptation Plan	Arbroath; Brechin; Carnoustie and Barry; Forfar; Kirriemuir; Monifieth; Montrose and Ferryden
Shoreline Management Plan	Arbroath; Carnoustie and Barry; Monifieth; Montrose and Ferryden
Maintain Flood Warning	Arbroath
Community Engagement	Arbroath; Brechin; Carnoustie and Barry; Forfar; Kirriemuir; Monifieth; Montrose and Ferryden
Flood Defence Maintenance	Arbroath; Brechin; Carnoustie and Barry; Kirriemuir; Monifieth; Montrose and Ferryden
Natural Flood Management Study	Brechin; Monifieth
Inspection and Maintenance	Angus-wide
Self Help	Angus-wide
Emergency Plan	Angus-wide
Land Use Planning	Angus-wide
Flood Forecasting	Angus-wide
Awareness Raising	Angus-wide

4.10 These actions have been reviewed by the Flood Risk Management Member Officer Working Group on 25 February 2021. The Member Officer Working Group is made up of officers and the following elected members: Provost Proctor, Cllr Fotheringham, Cllr McLaren and Cllr Duff.

4.11 These actions will not necessarily impose a resource burden on the Council and will be subject to future funding allocations and further detailed technical feasibility to ensure viability. The responses to the consultation will allow for the further development of the objectives and actions.

4.12 As part of the consultation process, a questionnaire will be available, providing the public with the opportunity to respond on a variety of matters such as accuracy of the historic flooding information or views on proposed actions to alleviate flooding. SEPA will coordinate responses and feed back to the Local Authorities those responses relating to the production of the Local Flood Risk Management Plans.

4.13 On completion of the consultation, all representations will be considered, and any modifications required to the draft Strategies and draft Plans made. The actions will then be appraised in more detail for costs and benefits resulting in a list of measures that may individually or in combination with others, achieve the objectives for the PVA or Local Plan District. Members are invited to note that the detailed appraisal of the actions will take place in 2021, and a report to this Committee will follow. This list will then form the priorities of the FLOOD RISK MANAGEMENT Strategies, which will be finalised and approved by Scottish Ministers by 22 December 2021, and Plans which will be published by 22 June 2022, as required by statute. It is unclear whether these dates will be modified due to the impact of the SEPA cyber-attack on

the consultation and development of the Strategies and Plans. Further details are being sought from Scottish Government.

- 4.14 Updates will be provided to this committee on the development of Local Flood Risk Management Plans, including the consultation exercise (post July 2021) and publication of Flood Risk Management Strategies (December 2021); with Committee Approval of Local Flood Risk Management Plans in advance of June 2022 publication deadline.
- 4.15 In consideration of the requirements for Strategic Environmental Assessment of the Local Flood Risk Management Plans as detailed in section 7 of this report, it is proposed that the Plans are subject to a screening exercise and consultation with the Scottish Government's "SEA Gateway" (SEPA, NatureScot and Historic Environment Scotland).

5. FINANCIAL IMPLICATIONS

- 5.1 Consultative drafts of the Local Flood Risk Management Plans will not include specific financial commitments by the Council, with the exception of the Arbroath (Brothock Water) Flood Protection Scheme (reference Report No. 181/20), as identified in the council's Financial Plan.
- 5.2 Any significant Flood Risk Management schemes or works would be subject to securing grant funding from Scottish Government with a current intervention rate of 80% grant, noting that grant funding will be allocated on a prioritisation basis. Any such schemes would be reported to future meetings of the Communities committee, including the financial implications.
- 5.3 Other actions are largely dependent on the allowance in the local government settlement for flood risk management.

6. RISK IMPLICATIONS

- 6.1 Implementation of the Plans ensures that Angus Council has set out a strategic, plan-led approach to managing flood risk and will consider the impacts of climate change. All actions progressed will take cognisance of the impacts of climate change in accordance with contemporary published guidance.
- 6.2 If Committee does not approve the content of the draft Local Flood Risk Management Plans or decides to recommend modifications of the draft Plans, these will not be completed before the deadline for joint SEPA consultation of July 2021 and Angus Council will have to undertake a separate consultation.

7. STRATEGIC ENVIRONMENTAL ASSESSMENT (SEA)

- 7.1 The Environmental Assessment (Scotland) Act 2005 (the '2005 Act') applies SEA to the proposed Local Flood Risk Management Plans. The process requires consideration of whether the public plans, programmes, and strategies (PPS) is likely to have no or minimal environmental effect (called "pre-screening") or is unlikely to have significant environmental effect (called "screening"). The latter requires prior consultation with the Scottish Government's "SEA Gateway" (SEPA, NatureScot and Historic Environment Scotland).
- 7.2 The draft Flood Risk Management Strategies by SEPA have been subject to a screening direction by the SEA Gateway. A Scoping Report has been consulted upon and an Environmental Report to consider the environmental effects of the Strategies forms part of the consultation exercise detailed in this report.
- 7.3 Any additional environmental effects from the Local Flood Risk Management Plans over and above those considered by the SEA of the Strategies are likely to be minimal. However, to evidence this, authorisation is sought to carry out all the required steps under SEA for the Local Flood Risk Management Plans up to the point of its adoption by the Council to ensure compliance with the requirements of the 2005 Act.

8. EQUALITY IMPACT ASSESSMENT

- 8.1 An Equality Impact Assessment has been completed for this report – see **Appendix 3**.
- 8.2 The Assessment concludes that there are either no impact or neutral impact on protected characteristic groups for the proposals contained in this report.

NOTE: The background papers, as defined by Section 50D of the Local Government (Scotland) Act 1973 (other than any containing confidential or exempt information) which were relied on to any material extent in preparing the above report are:

- Report No. 181/20 - Arbroath (Brothock Water) Flood Protection Scheme Update – Special Arrangements Committee, 23 June 2020
- Report No. 17/16 - Flood Risk Management (Scotland) Act 2009 – Update, Communities Committee, 19 January 2016
- Report No. 463/14 - Flood Risk Management (Scotland) Act 2009 - Communities Committee, 18 November 2014

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List of Appendices:

Appendix 1 – Angus Council Actions for Cycle 2 LOCAL FLOOD RISK MANAGEMENT PLAN 2022-28 by OTA

Appendix 2 - Angus Council Actions for Cycle 2 LOCAL FLOOD RISK MANAGEMENT P 2022-28 Angus-wide

Appendix 3 – Equality Impact Assessment

Appendix 1 – Angus Council Actions for Cycle 2 LOCALFLOOD RISK MANAGEMENT PLAN 2022-28

Flood Risk Management Strategy Information					Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Ranking	Local Authority Priority Ranking	Lead Responsible Authority	Local Detail	Years
Arbroath	£1,354,264	1 of 7	4 of 7	Angus Council	Flood Protection Scheme/Works The construction of the Arbroath (Brothock Water) Flood Protection Scheme has commenced and is due to complete in 2023. As built drawings will be made available to SEPA, for consideration in the Scottish Flood Defence Asset Database, flood map updates and flood warning scheme updates.	2020-23
Arbroath	£1,354,264	1 of 7	4 of 7	Angus Council	Flood Study A flood study has been recommended for this area to further investigate coastal flooding issues in Arbroath. The study should include flood modelling and scoping of flood risk management options. Flood study should consider all relevant sources of flooding and assess the potential for natural flood management measures. The study should consider current and future flood risk and the potential impacts of climate change and inform the development of an Adaptation Plan.	2022-28

Arbroath	£1,354,264	1 of 7	4 of 7	Joint Action Angus Council and Scottish Water	Surface Water Management Plan/Study Angus Council will continue to develop and where funding allows implement the Angus wide surface water management plan, which includes Arbroath as a priority area. The Integrated Catchment Study led by Scottish Water will continue as planned to address complex surface water and sewer flood risk and interaction with small/culverted watercourses	2022–2028
Arbroath	£1,354,264	1 of 7	4 of 7	Angus Council	Adaptation Plan An Adaptation Master Plan will be developed to cover the Angus Council area. As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long-term flood risk management approach will be developed. Existing strategic initiatives such as the active travel plan in Arbroath will provide opportunities for adaptive actions to be implemented.	2022–2028
Arbroath	£1,354,264	1 of 7	4 of 7	Angus Council	Shoreline Management Plan A Shoreline Management plan covers this area. This should be reviewed as part of the Adaptation Plan taking into account best available knowledge on Climate Change predictions.	2022-28

Arbroath	£1,354,264	1 of 7	4 of 7	SEPA	Angus Council	Maintain Flood Warning The Floodline flood warning service is to be kept operational through maintenance to the existing system and updates being undertaken as required. Co-ordination of Brothock FPS into the flood warning system will be managed by SEPA.	2022-28
Arbroath	£1,354,264	1 of 7	4 of 7	Angus Council		Community Engagement The Community will have opportunities to get involved with the development of the Adaptation Plan and any flood related projects and initiatives being developed for Arbroath.	2022-28
Arbroath	£1,354,264	1 of 7	4 of 7	Angus Council		Maintain Flood Defences Angus Council will develop a formal maintenance programme for the flood protection scheme following construction. This will take the form of planned and reactive maintenance. As built drawings will be made available to SEPA for consideration in the Scottish Flood Defence Asset Database, flood maps and flood warning.	2022-28

Flood Risk Management Strategy Information					Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Ranking	Local Authority Priority Ranking	Lead Responsible Authority	Local Detail	Years
Brechin	£293,128	5 of 7	4 of 7	Angus Council	<p>Natural Flood Management Study An NFM study will be undertaken in Cycle 2 to identify opportunities for natural flood management/alleviation in the South Esk Catchment.</p>	2022-28
Brechin	£293,128	5 of 7	4 of 7	Angus Council	<p>Surface Water Management Plan/Study Surface Water Management Plan/Study Angus Council will continue to develop and where funding allows implement the Angus wide surface water management plan, which includes Brechin as a priority area.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Brechin and identifies options that could alleviate this risk.</p> <p>The S16 study undertaken by Scottish Water will be reviewed for opportunities to address complex surface water and sewer flood risk and interaction with small/culverted watercourses.</p>	2022-28

					As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed.	
Brechin	£293,128	5 of 7	4 of 7	Angus Council	<p>Adaptation Plan</p> <p>An Adaptation Master Plan will be developed to cover the Angus Council area. As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed. Any existing strategic initiatives will provide opportunities for adaptive actions to be implemented.</p>	2022-28
Brechin	£293,128	5 of 7	4 of 7	Angus Council	<p>Community Engagement</p> <p>The community will have opportunities to get involved with the development of the Adaptation Plan and any flood related projects and initiatives being developed for Brechin.</p>	2022-28
Brechin	£293,128	5 of 7	4 of 7	Angus Council	<p>Maintain Flood Defences</p> <p>Angus Council will develop a formal maintenance programme for the scheme. As built drawings will be made available to SEPA for consideration in the Scottish Flood Defence Asset database, flood maps and flood warning scheme updates.</p>	2022-28

Flood Risk Management Strategy Information					Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Ranking	Local Authority Priority Ranking	Lead Responsible Authority	Local Detail	Years
Carnoustie and Barry	£397,912	7 of 7	2 of 7	Angus Council	Flood Protection Scheme/Works A flood protection scheme has been recommended for this area following the recent flood study. The scheme includes a combination of works and natural flood management actions. Development of the scheme will continue to outline design. Current and long term flood risk will be considered, and design will incorporate adaptation actions identified in the Adaptation Plan for Carnoustie and surface water management actions.	2022-28
Carnoustie and Barry	£397,912	7 of 7	2 of 7	Joint Action Angus Council And Scottish Water	Surface Water Management Plan/Study Angus Council will continue to develop and where funding allows implement the Angus wide surface water management plan, which includes Carnoustie and Barry as a priority area. The surface water management plan identifies areas most at risk from surface water flooding in Carnoustie and Barry and identifies options that could alleviate this risk. The Integrated Catchment study undertaken by Scottish Water will be reviewed for opportunities to address complex surface water	2022-28

					and sewer flood risk and interaction with small/culverted watercourses. As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed.	
Carnoustie and Barry	£397,912	7 of 7	2 of 7	Angus Council	Adaptation Plan An Adaptation Master Plan will be developed to cover the Angus Council area. As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed. Any existing strategic initiatives will provide opportunities for adaptive actions to be implemented.	2022-28
Carnoustie and Barry	£397,912	7 of 7	2 of 7	Angus Council	Shoreline Management Plan A Shoreline Management plan covers this area. This should be reviewed as part of the Adaptation Plan taking into account best available knowledge on Climate Change predictions.	2022-28

Carnoustie and Barry	£397,912	7 of 7	2 of 7	Angus Council	<p>Community Engagement</p> <p>The community will have opportunities to get involved with the development of the Adaptation Plan and any flood related projects and initiatives being developed for Carnoustie and Barry. This will include the flood protection scheme and the adaptation plan.</p>	2022-28
Carnoustie and Barry	£397,912	7 of 7	2 of 7	Angus Council	<p>Maintain Flood Defences</p> <p>Angus Council will continue to maintain the flood defences on the Barry Burn and the coastal revetment until the new flood protection scheme is operational.</p>	2022-28

Flood Risk Management Strategy Information					Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Ranking	Local Authority Priority Ranking	Lead Responsible Authority	Local Detail	Years
Forfar	£613,120	2 of 7	4 of 7	Angus Council	<p>Flood Study Angus Council will review the 2019 flood study outcomes and consider whether an additional detailed study of Forfar Loch and Dean Water interaction will provide further opportunities for actions to reduce flood risk in the Forfar area.</p> <p>The additional detailed study will focus on the interaction of surface water flooding locations which discharge to Forfar Loch and the Forfar Loch to Dean Water interaction. Partnership working with Scottish Water will develop actions for known locations.</p>	2022-28
Forfar	£613,120	2 of 7	4 of 7	Angus Council	<p>Adaptation Plan An Adaptation Master Plan will be developed to cover the Angus Council area. As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed. Any existing strategic initiatives will provide opportunities for adaptive</p>	2022-28

					actions to be implemented.	
Forfar	£613,120	2 of 7	4 of 7	Angus Council	<p>Community Engagement</p> <p>The community will have opportunities to get involved with the development of the Adaptation Plan and any flood related projects and initiatives being developed for Forfar. This will include the flood study and the adaptation plan.</p>	2022-28

Flood Risk Management Strategy Information					Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Ranking	Local Authority Priority Ranking	Lead Responsible Authority	Local Detail	Years
Kirriemuir	£86,599	5 of 7	4 of 7	Angus Council	Flood Study Angus Council will review the Kirriemuir flood study of 2019 and prepare a contract for installation of flow monitoring on the Gairie Burn to reduce the uncertainty around flow estimation identified in the 2019 study. This will improve confidence levels in the flood study findings and allow the impact of climate change to be assessed for Kirriemuir.	2022-28
Kirriemuir	£86,599	5 of 7	4 of 7	Angus Council	The recommendations of the study relating to the installation of a gauge on the Gairie Burn should be subject to further consideration and planning.	2022 - 28
Kirriemuir	£86,599	5 of 7	4 of 7	Angus Council	Adaptation Plan An Adaptation Master Plan will be developed to cover the Angus Council area. As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed. Any existing strategic initiatives	2022-28

					will provide opportunities for adaptive actions to be implemented.	
Kirriemuir	£86,599	5 of 7	4 of 7	Angus Council	<p>Community Engagement Community Engagement The community will have opportunities to get involved with the development of the Adaptation Plan and any flood related projects and initiatives being developed for Kirriemuir. Angus Council will consider whether there is potential for provision of a community flood warning system (such as RiverTrack) as part of a wider flood resilience approach for Kirriemuir and will discuss this with partners.</p>	2022-28
Kirriemuir	£86,599	5 of 7	4 of 7	Angus Council	<p>Maintain Flood Defences Angus Council will continue to maintain the flood defences on the Gairie Burn and seek opportunities to work with partners to reduce flood risk to existing commercial property impacted by the burn.</p>	2022-28

Flood Risk Management Strategy Information					Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Ranking	Local Authority Priority Ranking	Lead Responsible Authority	Local Detail	Years
Monifieth	£374,001	5 of 7	2 of 7	Angus Council	<p>Flood Protection Scheme</p> <p>A flood protection scheme has been recommended in this area following the recent flood study. The scheme includes a combination of works and natural flood management actions. Angus Council and Dundee Council will work together to develop the scheme to outline design stage in Cycle 2 - 3. Current and long term flood risk will be considered and the design will incorporate adaptation actions identified in the Adaptation Plan h and surface water management plan for Monifieth.</p>	2022-28
Monifieth	£374,001	5 of 7	2 of 7	Joint Action Angus Council/ Dundee City Council	<p>A flood protection study was carried out in this location that recommended a flood scheme. The scheme would provide a 200 year (0.5% AEP) standard of protection and would include flood storage, flood walls and embankments and flood resilience measures. It is recommended that Angus and Dundee City Council jointly progress the preferred option to outline design, detailed design and</p>	2022-28

					<p>construction. Additional consideration should be given to natural flood management measures. The impact of climate change should also be further considered which should form the basis for development of an Adaptation Plan.</p> <p>There may be opportunities to combine procurement of this with the flood protection scheme for Carnoustie.</p>	
Monifieth	£374,001	5 of 7	2 of 7	<p>Joint Action</p> <p>Angus Council and Scottish Water</p>	<p>Natural Flood Management Study</p> <p>Angus Council and Dundee City Council will work in partnership to have a study of natural flood management opportunities undertaken which will identify any actions that could reduce flood risk in Monifieth.</p>	2022-28
Monifieth	£374,001	5 of 7	2 of 7	<p>Joint Action</p> <p>Angus Council and Scottish Water</p>	<p>Surface Water Management Plan/Study</p> <p>Angus Council will continue to develop and where funding allows implement the Angus wide surface water management plan, which includes Monifieth.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Monifieth and identifies options that could alleviate this risk.</p> <p>The Integrated Catchment Study undertaken by Scottish Water will continue as planned to address complex surface water and sewer flood risk and interaction with small/culverted watercourses.</p>	2022-28

					As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed.	
Monifieth	£374,001	5 of 7	2 of 7	Angus Council	Adaptation Plan An Adaptation Plan will be developed to cover the Angus Council area in Cycle 2. Following this in Cycle 3, Angus Council will use best available knowledge on Climate Change predictions to assess to assess the effect of surface water flooding in Monifieth. This will allow a long term flood risk management approach to be developed. Any existing strategic initiatives will provide opportunities for adaptive actions to be implemented.	2022-28
Monifieth	£374,001	5 of 7	2 of 7	Angus Council	Shoreline Management Plan A Shoreline Management plan covers this area. This should be reviewed as part of the Adaptation Plan taking into account best available knowledge on Climate Change predictions.	2022-28
Monifieth	£374,001	5 of 7	2 of 7	Angus Council	Community Engagement The community will have opportunities to get involved with the development of the Adaptation Plan and any flood related projects and initiatives being developed in Monifieth. Opportunities for a Flood Resilience Group will be sought for the	2022-28

					community.	
Monifieth	£374,001	5 of 7	2 of 7	Angus Council	<p>Maintain Flood Defences Angus Council will continue to maintain the existing coastal flood defences and seek opportunities to work with partners to reduce flood risk from this source.</p>	2022 - 28

Flood Risk Management Strategy Information					Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Ranking	Local Authority Priority Ranking	Lead Responsible Authority	Local Detail	Years
Montrose and Ferryden	£385,933	2 of 7	1 of 7	Angus Council	<p>Coastal Flood Protection Scheme</p> <p>Subject to Scottish Government funding and the outcome of national prioritisation of flood protection schemes, Angus Council may progress with promotion of a formal Coastal Flood Protection Scheme at Montrose Bay. There may be availability of Scottish Government funding for coastal erosion management.</p> <p>Two studies have been undertaken recently for Montrose. A general study of flood risk was completed in 2019 which provided recommendations for the coastal management of flood risk. The pan government study by Dynamic Coast identified the criticality of the dunes at Montrose Beach in providing flood protection at the location. Angus Council will continue to develop sustainable coastal management actions to reduce flood risk at the location caused by the tidal impact on the eroding natural feature in Cycle 2/3. This will involve a collaborative approach with all partners.</p>	2022-28

Montrose and Ferryden	£385,933	2 of 7	1 of 7	Angus Council	<p>Coastal Flood Protection Works</p> <p>The Montrose Coastal Flood Study also outlined short-term option of dune propagation could be used to maintain the integrity of the dunes for approximately 10 years. The short term option is currently under detailed design and aims to provide protection against erosion and flooding to the Montrose golf course. These works should be considered as part of Adaptation Planning.</p>	2021-23
Montrose and Ferryden	£385,933	2 of 7	1 of 7	<p>Joint Action</p> <p>Angus Council and Scottish Water</p>	<p>Surface Water Management Plan/Study</p> <p>Angus Council will continue to develop and where funding allows implement the Angus wide surface water management plan, which includes Montrose and Ferryden.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Montrose and Ferryden and identifies options that could alleviate flood risk.</p> <p>The Section 16 modelling undertaken by Scottish Water will continue as planned to address complex surface water and sewer flood risk and interaction with small/culverted watercourses.</p> <p>As part of this, Angus Council will use best available knowledge on climate change predictions to assess the effect on flood risk infrastructure. From this a long term flood risk management approach will be developed.</p>	2022-28

Montrose and Ferryden	£385,933	2 of 7	1 of 7	Angus Council	Adaptation Plan An Adaptation Plan will be developed to cover the Angus Council area. The plan will aim to monitor the impacts of climate change on flood risk, including the impact on existing coastal flood defences, and aim to develop a long term flood risk management approach. Existing initiatives and flood studies (including surface water management plans and other initiatives such as the active travel plan) will be considered within the Adaptation Plan.	2022-28
Montrose and Ferryden	£385,933	2 of 7	1 of 7	Angus Council	Community Engagement The community will have opportunities to get involved with the development of the Adaptation Plan and any flood related projects and initiatives being developed in Montrose. Opportunities for a Flood Resilience Group will be sought for the community.	2022-28
Montrose and Ferryden	£385,933	2 of 7	1 of 7	Angus Council	Shoreline Management Plan A Shoreline Management plan covers this area. This should be reviewed as part of the Adaptation Plan taking into account best available knowledge on Climate Change predictions.	2022-28
Montrose and Ferryden	£385,933	2 of 7	1 of 7	Angus Council	Maintain Flood Defences Angus Council will continue to maintain the existing coastal flood defences and seek opportunities to work with partners to reduce flood risk from this source.	2022-28

Appendix 2 - Angus Council Actions for Cycle 2 LOCALFLOOD RISK MANAGEMENTP 2022-28 Angus-wide

National action	Generic description (FLOOD RISK MANAGEMENT Strategy)	Local description (LOCAL FLOOD RISK MANAGEMENT Plan)
Inspection and maintenance	Local authorities are to continue to inspect, clear and maintain watercourses in line with their legal obligations.	Angus Council carry out watercourse inspections within their area, as well as undertaking clearance and repair work. Local actions such as gully cleaning and trash screen cleaning will be undertaken on a routine and reactive basis.
Self help	Everyone is responsible for protecting themselves and their property from flooding. Self-help measures are to continue to be promoted by the responsible authorities, including purchase of property flood resilience measures, signing up for Floodline, the Flood Re insurance scheme and preparing a flood kit.	Angus Council will continue to promote property flood resilience measures and the Flood Reinsurance scheme to Angus Council residents and businesses. Angus Council will continue to seek opportunities with adjacent landowners wherever possible to reduce flood risk to existing infrastructure and/or property.
Emergency plan	The plan to coordinate responses to emergency incidents between organisations, including local authorities, the emergency services and SEPA, is to be maintained and executed as required.	Angus Council will continue to lead and contribute to the response to any emergency incidents within the Angus area and will work with all other organisations providing a response.
Land use planning	Planning authority should ensure that their development plan and planning decision-making supports delivery of sustainable flood management.	
Flood forecasting	The Scottish Flood Forecasting Service is to be kept operational by SEPA and the Met Office to provide flood alerts nationally.	
Awareness raising	SEPA, local authorities and others to help communities understand their flood risk and the actions they can take to reduce their risk of flooding.	Angus Council will work with residents and businesses to make them aware of flood risk in their localities and the actions that the Council are committed to through the Local Flood Risk Management Plan.



Equality Impact/Fairer Scotland Duty Assessment Form

Step 1

Name of Proposal (includes e. g. budget savings, committee reports, strategies, policies, procedures, service reviews, functions): Flood Risk Management (Scotland) Act 2009 - Committee Report

Step 2

Is this only a **screening** Equality Impact Assessment Yes/No

(A) If Yes, please choose from the following options **all** reasons why a full EIA/FSD is not required:

(i) It does not impact on people Yes/No

(ii) It is a percentage increase in fees which has no differential impact on protected characteristics Yes/No

(iii) It is for information only Yes/No

(iv) It is reflective e.g. of budget spend over a financial year Yes/No

(v) It is technical Yes/No

If you have answered yes to any of points above, please go to **Step 16**, and sign off the Assessment.

(B) If you have answered No to the above, please indicate the following:

Is this a full Equality Impact Assessment Yes/No

Is this a Fairer Scotland Duty Assessment Yes/No

If you have answered Yes to either or both of the above, continue with Step 3.

If your proposal is a **strategy** please ensure you complete Step 13 which is the Fairer Scotland Duty Assessment.

Step 3

(i) Lead Directorate/Service:

Infrastructure/Road & Transportation

(ii) Are there any **relevant** statutory requirements affecting this proposal? If so, please describe.

Duties under Flood Risk Management (Scotland) Act 2009 and Environmental Assessment (Scotland) Act 2005.

(iii) What is the aim of the proposal? Please give full details.

To develop Local Flood Risk Management Plans and associated Strategic Environmental Assessment.

(iv) Is it a new proposal? ~~Yes~~/No Please indicate OR

Is it a review of e.g. an existing budget saving, report, strategy, policy, service review, procedure or function? Yes/~~No~~ Please indicate

This is the second Local Flood Risk Management Plans for Angus from 2022-28.

Step 4: Which people does your proposal involve or have consequences for?

Please indicate all which apply:

Employees Yes/~~No~~

Job Applicants ~~Yes~~/No

Service users Yes/~~No~~

Members of the public Yes/~~No~~

Step 5: List the evidence/data/research that has been used in this assessment (links to data sources, information etc which you may find useful are in the Guidance). This could include:

Internal data (e.g. customer satisfaction surveys; equality monitoring data; customer complaints).
N/A.

Internal consultation (e.g. with staff, trade unions and any other services affected).

N/A.

External data (e.g. Census, equality reports, equality evidence finder, performance reports, research, available statistics)

Flood mapping and assessment on a national scale and Flood Risk Management Strategy developed by SEPA.

External consultation (e.g. partner organisations, national organisations, community groups, other councils).

Local Plan Partnerships for Tay Estuary and Montrose Basin area and Tay area.

Other (general information as appropriate).

The Flood Risk Management Member Officer Working Group has reviewed the proposals.

Step 6: Evidence Gaps.

Are there any gaps in the equality information you currently hold? ~~Yes~~/No

If yes, please state what they are, and what measures you will take to obtain the evidence you need.

Step 7: Are there potential differential impacts on protected characteristic groups?

Please complete for each group, including details of the potential impact on those affected. Please remember to take into account any particular impact resulting from **Covid-19**.

Please state if there is a potentially positive, negative, neutral or unknown impact for each group. Please state the reason(s) why.

Age

Impact: Neutral impact.

Disability

Impact: Neutral impact.

Gender reassignment

Impact: No impact

Marriage and Civil Partnership

Impact: No impact

Pregnancy/Maternity

Impact: Neutral impact.

Race - (includes Gypsy Travellers)

Impact: No impact

Religion or Belief

Impact: No impact

Sex

Impact: No impact

Sexual orientation

Impact: No impact

Step 8: Consultation with any of the groups potentially affected

If you have consulted with any group potentially affected, please give details of how this was done and what the results were.

No specific protected characteristic groups were consulted.

If you have not consulted with any group potentially affected, how have you ensured that you can make an informed decision about mitigating action of any negative impact (Step 9)?

There are Local Plan Partnerships for Tay Estuary and Montrose Basin area and Tay area, and there is a Flood Risk Management Member Officer Working Group where issues could be raised.

Step 9: What mitigating steps will be taken to remove or reduce potentially negative impacts?

No or neutral impacts.

Step 10: If a potentially negative impact has been identified, please state below the justification.

N/A.

Step 11: In what way does this proposal contribute to any or all of the public sector equality duty to: eliminate unlawful discrimination; advance equality of opportunity; and foster good relations between people of different protected characteristics?

Neutral or no contribution.

Step 12: Is there any action which could be taken to advance equalities in relation to this proposal?

N/A.

Step 13: FAIRER SCOTLAND DUTY

This step is only applicable to **strategies** which are key, high level decisions. If your proposal is **not** a strategy, please leave this Step blank, and go to Step 14.

Links to data sources, information etc which you may find useful are in the Guidance.

Step 13(A) What evidence do you have about any socio-economic disadvantage/inequalities of outcome in relation to this strategic issue?

Step 13(B) Please state if there are any gaps in socio-economic evidence for this strategy and how you will take measures to gather the evidence you need.

Step 13(C) Are there any potential impacts this strategy may have specifically on the undernoted groupings? Please remember to take into account any particular impact resulting from Covid-19.

Please state if there is a potentially positive, negative, neutral or unknown impact for each grouping.

Low and/or No Wealth (e.g. those with enough money to meet basic living costs and pay bills but have no savings to deal with any unexpected spends and no provision for the future).

Impact

Material Deprivation (i.e. those unable to access basic goods and services e.g. repair/replace broken electrical goods, warm home, leisure and hobbies).

Impact

Area Deprivation (i.e. where people live (e.g. rural areas), or where they work (e.g. accessibility of transport)).

Impact

Socio-economic Background i.e. social class including parents' education, people's employment and income.

Impact

Other – please indicate

Step 13(D) Please state below if there are measures which could be taken to reduce socio-economic disadvantage/inequalities of outcome.

Step 14: What arrangements will be put in place to monitor and review the Equality Impact/Fairer Scotland Duty Assessment?

There are Local Plan Partnerships for Tay Estuary and Montrose Basin area and Tay area, and there is a Flood Risk Management Member Officer Working Group where any issues can be monitored and reviewed.

Step 15: Where will this Equality Impact/Fairer Scotland Duty Assessment be published?

As an appendix to the committee report, which will be published at angus.gov.uk.

Step 16: Sign off and Authorisation. Please state name, post, and date for each:

Prepared by: Walter Scott, Service Leader – Roads & Transportation, 23.03.2021

Reviewed by: Doreen Phillips, Senior Practitioner (Equalities), 25 March 2021

Approved by: Ian Cochrane Director of Infrastructure 25 March 2021
