
Report to: Climate, Energy and Environment Committee

Date: 11 July 2023

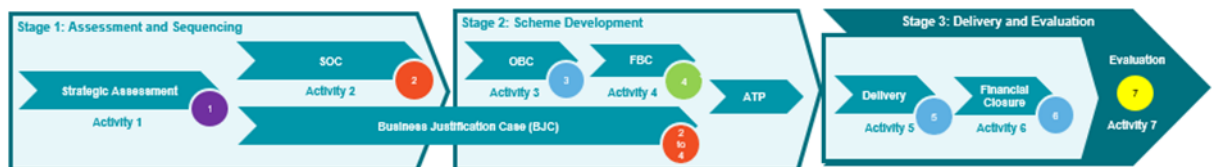
Subject: Project Approvals

Director: Liz Hunter, Director of Policing, Environment & Place

Author: Craig Taylor, Head of Portfolio Management and Appraisal

1 Purpose of this report

- 1.1 To report on proposals for the progression of, and funding for projects under Investment Priority 4 – Tackling the Climate Emergency and Environmental Sustainability Investment within the West Yorkshire Investment Strategy (WYIS), that have been considered at stages 1, 2 and 3 of the Combined Authority’s assurance process.



- 1.2 The Climate, Energy and Environment Committee has delegated decision making authority approved by the Combined Authority on 23 June 2022. Where the Climate, Energy and Environment Committee is asked to make an approval decision this will be highlighted in the summary table and made clear in the recommendations.
- 1.3 The recommendations can be found in Section 12 of this report.

2 Report

- 2.1 This report presents proposals for the progression of schemes through the Combined Authority’s assurance process in line with the Combined Authority’s Assurance Framework. Further details on the schemes summarised below can be found as part of this report.

3 Investment Priority 4 (IP4) - Tackling the Climate Emergency and Environmental Sustainability

- 3.1 The West Yorkshire Investment Strategy (WYIS) sets out the Investment Priorities for the period 1 April 2021 to 31 March 2024 across six areas. In each, a number of priority project / programme areas have been identified that are the focus for intervention.
- 3.2 West Yorkshire declared a climate emergency in 2019 and has a target to be net zero carbon by 2038. Investment Priority 4 will deliver a range of programmes under Wave 1 of the Climate and Environment Plan, which will contribute to the achievement of the net zero carbon target, with the following programmes:
- Better Homes Hub
 - Better neighbourhoods
 - Business sustainability
 - Flooding and drainage
 - Green skills and training
 - Solar panels and battery storage.

Background to the Climate and Environment Plan (CEP) Wave 1

- 3.3 The Climate and Environment Plan includes partnerships and programmes that help enable carbon reduction in future years. The plan focuses on enabling actions that maximise emissions reduction, improve nature, and prepare for a changing climate in line with the 2038 target and will be delivered in waves.
- 3.4 Approvals are being sought through this report for the funding for the Capital Flood Risk Management Programme which is being delivered as part of the CEP – Wave 1 portfolio. This has been prioritised with other programmes at various stages of development, which will reduce West Yorkshire's carbon footprint, support climate resilience and contribute towards a transition to net-zero and climate emergencies.
- 3.5 The CEP Wave 1 portfolio gained decision point 1 (strategic assessment) approval from the Combined Authority on 22 July 2022.
- 3.6 The Capital Flood Risk Management Programme gained decision point 1 (strategic assessment) approval on 2 February 2023. Future approvals of Capital Flood Risk Management Programme were delegated to the Climate, Energy and Environment Committee.
- 3.7 Approval is being sought through this report for the Capital Flood Risk Management Programme, which is funded through the Single Investment Fund (SIF).

Programme / scheme	Approval sought	Total programme / scheme value
Capital Flood Risk Management Programme	£2,255,561	£168,000,000

Context to Flood Risk Management and the West Yorkshire Programme

- 3.8 In West Yorkshire approximately 39,000 residential properties and 13,000 commercial properties fall within a flood zone and as a result of climate change flooding is likely to become a more frequent occurrence.
- 3.9 The 2015 Boxing Day Floods affected approximately 6,000 premises with an economic cost to the Leeds City Region of over half a billion pounds, £100 million of which was direct damage to key infrastructure such as bridges, roads, and Yorkshire Water assets. In February 2020 the heavy rainfall accompanying Storm Ciara led to a number of floods throughout West Yorkshire affecting homes, businesses, schools, and other vital infrastructure. The heavy rainfall caused flooding to properties from a combination of sources, including surface water and river water.
- 3.10 There is now a consistent pattern of wet winter periods, with saturated land and consistently high river levels making our communities increasingly vulnerable to a higher number of intense storms. Many communities, particularly in small towns, are struggling to recover, and businesses are unable to plan for sustainable growth. These ongoing flood incidents have reinforced the need to secure capital investment to allow communities to be more resilient to flooding and avoid both the human suffering and economic cost that comes with these events.
- 3.11 The Combined Authority has a positive track record in supporting delivery of flood schemes in the region – with just under £20,000,000 of Growth Deal 3 funding and European funding having been used to support flood risk management interventions in recent years.
- 3.12 The proposed programme has been developed following extensive partnerships working and engagement. This includes collaborative working with the Environment Agency (EA), partner councils, the Combined Authority Committee and this Committee. The Climate, Energy and Environment Committee (19 July 2022 and 21 March 2023) have previously been invited to consider the scope and priorities for the programme and endorse the emerging flood programme prior to it entering the Combined Authority's Assurance Process.
- 3.13 The proposed schemes have been selected on the basis of a broad criteria looking their potential to support business areas, deliver flood innovation, and align with, and leverage national funding pots. The Combined Authority's programme has been designed to complement work going on across the wider flood partnership and to reduce the impact of flood events in our region.

Scheme summaries

<p>Capital Flood Risk Management Programme West Yorkshire</p>	<p><u>Scheme description</u></p> <p>Across West Yorkshire approximately 39,000 residential properties and 13,000 commercial properties are within a flood zone and, as a result of climate change, flooding is likely to become a more frequent occurrence.</p> <p>The Capital Flood Risk Management Programme will deliver new flood resilience schemes alongside the refurbishment and improvement of existing measures to increase protection for homes and business throughout the region.</p> <p>This programme aligns with the Combined Authority's Investment Priority 3 – Creating Great Places and Accelerated Infrastructure and Investment Priority 4</p> <p>The scheme is to be supported through the Combined Authority's Single Investment Fund, IP3 gainshare allocation.</p> <p><u>Impact</u></p> <p>The programme has the potential to lead to a reduction in the social and economic cost of flooding, such as the avoidance of repair costs to residential and commercial assets, reducing the flood recovery costs associated with infrastructure, improved business confidence to remain and/or invest in areas of flood risk, resulting and improved mental health and wellbeing for those living and working within the affected area.</p> <p>All businesses and homes within the flood benefit areas for the proposed schemes will receive enhanced flood protection. This will be the best deliverable Standard of Protection (SoP) based on economic viability and environmental impact, which will take account of future climate change. The resultant level of protection will be based on HMT Green Book principles and the EA Partnership Funding policy.</p> <p><u>Decision sought</u></p> <p>Approval to proceed through decision point 2 (strategic outline case) and work commences on the individual business cases.</p> <p>Total value of the scheme - £168,000,000</p> <p>Total value of Combined Authority funding - £10,000,000</p> <p>Funding recommendation sought - £2,255,561</p> <p>A decision by the Climate, Energy and Environment Committee using the delegated authority from the Combined Authority is sought as part of this report</p>
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Other decisions relevant to the Climate, Energy and Environment Committee

3.14 Since the Climate, Energy and Environment Committee meeting on 21 March 2023, the following decision points and change requests have been assessed in line with the Combined Authority’s assurance process and approved through the agreed delegations to:

Combined Authority’s Chief Executive

Social Housing Decarbonisation Fund (SHDF) Wave 2 West Yorkshire	Approval of outline business case and for work to commence on delivery Funding approved - £14,705,089 Total indicative value of the scheme - £31,500,212 Total indicative value of Combined Authority funding - £14,705,089
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3.15 Under the delegation £14,705,089 was approved. The decisions were made by the Chief Executive following a recommendation from the Combined Authority’s Programme Appraisal Team.

4 Information

4.1 The Combined Authority’s assurance framework requires that formal approval is given to the following elements of a scheme as part of its development:

- The progression of a scheme through a decision point to the next activity.
- Indicative or full approval to the total value of the scheme funding requested.
- The Combined Authority’s entry into a funding agreement with the scheme’s promoter.
- The assurance pathway and approval route for future decision points.
- The scheme’s approval tolerances.

4.2 This report provides information required to enable the Combined Authority to approve each of the above elements.

Projects in Stage 1: Assessment and Sequencing

Project Title	Capital Flood Risk Management Programme
Stage	1 (assessment and sequencing)
Decision Point	2 (strategic outline case)

Is this a key decision?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is the decision eligible for call-in by Scrutiny?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the report contain confidential or exempt information or appendices?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If relevant, state paragraph number of Schedule 12A, Local Government Act 1972, Part 1:		
Are there implications for equality and diversity?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Background

- 4.3 This scheme will be funded from the Combined Authority's Single Investment Fund (SIF), IP3 gainshare allocation.
- 4.4 The Capital Flood Risk Management Programme consists of 23 identified schemes that aim to enhance flood protection and climate resilience for homes and businesses across parts of all districts within West Yorkshire. The programme will deliver new flood protection as well as the refurbishment and improvement of existing flood protection in addition to new natural flood management measures.
- 4.5 The objectives are the programme are to:
- Improve flood protection to properties including 2,560 homes and 2,271 businesses in West Yorkshire through delivery of 23 schemes with construction commencing between 2024 and 2029.
 - To contribute towards the Combined Authority's net zero carbon economy ambition by 2038 and climate resilience through the implementation of flood risk management schemes.
 - To ensure that the flood risk management schemes are designed and delivered in an efficient manner, maximising the use of available resources.
 - To collaborate with key stakeholders to ensure that the flood risk management schemes meet the needs of local residents and businesses.
- 4.6 To achieve these objectives the Capital Flood Risk Management Programme has developed a pipeline of schemes that have been split into three phases

based on the anticipated delivery timeframe. The programme team routinely review all schemes within the pipeline to ensure that all projects undertaken will deliver the maximum protection and benefits as the climate continues to change. The total scheme costs are £168,000,000.

- 4.7 To fund the full programme, the Combined Authority's contribution would be £73,000,000. However, at this time, the decision has been taken to progress an initial package of short term deliverable and developed schemes to provide enhanced protection to vulnerable communities now. This will be initiated alongside engagement with partners to accelerate delivery of the remainder of the programme.
- 4.8 Phase 1 and 2a have a total delivery cost of £50,686,450 with the Combined Authority contributing £10,000,000, which was approved in principle by the Combined Authority at its meeting on 2 February 2023. This is being utilised to leverage funding from other funding sources and enable delivery of an initial package of 8 schemes (as listed below across phases 1 and 2a). The delivery of these initial 8 schemes will be used to stimulate investment interest in the remainder of the programme.
- 4.9 The schemes identified for initial Combined Authority funding in phases 1 and 2a are:

Phase 1

- **Sheepscar Beck Refurbishment (Leeds)** - This scheme is expected to provide protection to an estimated 54 residential properties and 135 businesses. Construction will begin in 2023 and will be managed by Leeds City Council. The objective of this project is to reduce flood risk to properties in the Sheepscar Beck area. The preferred option is to refurbish and improve the channel bed and walls to reduce the risk of future blockage within the heavily engineered and culverted channel. The total scheme cost is £760,000, and the Combined Authority's contribution is £350,000.
- **Stubbing Holme Road Flood Alleviation Scheme (Calderdale)** - This scheme will provide protection to an estimated 33 residential properties and 3 businesses. Construction will start in December 2023 and will be managed by the Environment Agency. The scheme will increase the standard of protection to residential properties by strengthening and raising the existing riverside wall. Total scheme cost £7,275,500, and the Combined Authority's contribution is £500,000.
- **Brighouse Flood Alleviation Scheme Phase 1 (Calderdale)** - This scheme will provide protection to an estimated 39 residential properties and 519 businesses. Construction will begin in February 2024 and will be managed by the Environment Agency. The objective of this scheme is to reduce flood risk to properties in the town of Brighouse from all sources of flood risk. The total scheme cost is £25,000,000 and the Combined Authority's contribution is £4,499,000.
- **Albert Street Flood Alleviation Scheme (Kirklees)** - This scheme will provide protection to an estimated 28 businesses. Construction will begin in February 2024 and will be managed by Kirklees Council. The objective

of this project is to reduce flood risk to properties in the Albert Street area of Huddersfield. The total scheme cost is £250,000 which will be fully funded by the Combined Authority.

Phase 2a

- **Wyke Beck Improvement Phase 2 (Leeds)** - This scheme will provide protection to an estimated 146 residential properties and 10 businesses. Construction will begin in May 2024 and will be managed by Leeds City Council. This scheme addresses the residual flood risk that will remain following completion of the first phase of the work along Wyke Beck. The preferred option for this scheme is in development but natural flood management (NFM) is being considered alongside upstream storage and walls / conveyance improvements pending model improvements. The total scheme cost is £580,000 and the Combined Authority's contribution is £150,000.
- **Wortley Beck Improvements (Leeds)**- This scheme will provide protection to an estimated 72 residential properties and 20 businesses. Construction will begin in June 2024 and will be managed by Leeds City Council. The objective of this scheme is to reduce flood risk to properties in the Wortley Beck area of Leeds. The preferred option is a combination of upstream storage with natural flood management elements, changes to the outfall structure of Farnley Balancing Lake (pending negotiations with the owner Yorkshire Water) and downstream channel conveyance improvements. The total scheme cost is £9,500,619 and the Combined Authority's contribution is £155,619.
- **Meanwood Beck (Leeds)** - This scheme will provide protection to an estimated 63 residential properties and 63 businesses. Construction will begin in October 2024 and will be managed by Leeds City Council. The objective of this project is to reduce flood risk to properties in the Meanwood Beck area of Leeds. Options are currently being explored but are likely to be a combination of containment, storage and natural flood management measures. The total scheme cost is £3,970,000 and the Combined Authority's contribution is £60,000.
- **Callis Bridge scheme - Replacement of Wall (Calderdale)** - This scheme will provide protection to an estimated 32 residential properties and 10 businesses. Construction will begin in March 2025 and will be managed by the Environment Agency. The project will review and replace an existing flood risk management scheme as it comes to the end of its design life. The total scheme cost is £1,094,770 and the Combined Authority's contribution is £867,061.

4.10 The remaining schemes identified for delivery in phases 2b and 3 have a total delivery cost of £60,152,075. Funding is still being sought to deliver these projects by engaging with potential investment partners and government departments/agencies:

Phase 2b

- **Walsden Flood Alleviation Scheme (Calderdale)** – This project is being developed with Network Rail who are working in partnership to

reduce flood risk to the railway line and also the properties and businesses in the area. It is currently estimated that the scheme would increase protection to 147 existing homes and 40 businesses.

Phase 3

- **Reservoir Storage (Calderdale)** – This scheme will provide protection to an estimated 180 businesses and will be delivered in partnership with Yorkshire Water. This project will increase storage capacity for future flooding events and has potential to provide additional benefits to areas downstream such as Mytholmroyd.
- **Haworth (Bradford)** – This scheme will provide protection to an estimated 7 homes and 12 businesses, in addition to key tourist attractions that are an essential part of the local economy. This project will achieve this through natural flood management and other flood risk management enhancements.
- **Park Road, Elland (Calderdale)**– This scheme provide protection to an estimated 12 homes, 26 businesses, and better protect the A6025. This project will address multiple sources of flooding and will be delivered in partnership with Calderdale Council and Yorkshire Water.
- **Brighouse Flood Alleviation System, phase 3 (surface water) (Calderdale)** – This scheme will provide protection to Brighouse Town Centre, including an estimated 57 homes and 258 businesses. This project will be delivered in partnership with the Environment Agency and Calderdale Council.
- **Sowerby Bridge Flood Alleviation Scheme (Calderdale)** – This scheme will increase protection to an estimated 46 homes and 40 businesses. The project will likely combine containment, reservoir management and natural flood management measures and will be delivered in partnership with the Environment Agency.
- **South Elmsall Flood Alleviation Scheme (Wakefield)** – This scheme will provide protection to an estimated 242 homes and 20 businesses and will be delivered in partnership with the Environment Agency and Wakefield Council.
- **Bradford Beck Flood Alleviation Study** - This scheme will provide protection to an estimated 77 homes and 158 businesses. This project will reduce surface water runoff and will be delivered in partnership with Bradford Council and the Environment Agency.
- **Mirfield and Ravensthorpe Improvements (Kirklees)** – This scheme will provide protection to an estimated 53 homes and 63 businesses and will add resilience to the Mirfield Railway Station Park and Ride. This project will be delivered in partnership with the Environment Agency.
- **Batley Beck Scheme Replacement (Kirklees)** – This scheme will provide protection to an estimated 460 homes and 290 businesses. This project will include natural flood management alongside localised interventions including such as retrofitted SuDS and wetlands. This project will be delivered in partnership with the Environment Agency.

- **Spennings Flood Alleviation Scheme (Kirkstall)** – This scheme will provide protection to an estimated 59 homes and 34 businesses, including businesses in the Spennings Valley Industrial Estate. This project will be delivered in partnership with the Environment Agency.
 - **Horbury Flood Alleviation Scheme (Wakefield)** – This scheme will provide protection to an estimated 95 homes and 46 businesses. This project will include natural flood management and will be delivered in partnership with Wakefield Council and the Environment Agency.
 - **Todmorden Phase 1 Scheme Replacement (Calderdale)** – This scheme will provide protection to an estimated 661 homes and 133 businesses and will be delivered in partnership with the Environment Agency.
 - **Mytholmroyd Flood Alleviation Scheme Phase 2 (Calderdale)** – This scheme will provide protection to an estimated 184 homes and 120 businesses by increasing the standard of protection of the Mytholmroyd Flood Alleviation Scheme Phase 1. This project will be delivered in partnership with the Environment Agency.
- 4.11 This programme contributes to the delivery of the West Yorkshire Investment Strategy (WYIS) Investment Priority 3 – Creating Great Places and Accelerated Infrastructure, which identifies increasing flood resilience as a desired outcome and accelerating the delivery of the Capital Flood Risk Management schemes, as part of a wider approach to climate change mitigation, resilience and carbon sequestration, the capturing, removal and storage of carbon dioxide from the atmosphere, as a priority area for investment.
- 4.12 The scheme also contributes to the Mayoral Pledge of tackling the climate emergency through managing flood risk and resilience. This programme complements the Natural Flood Management Programme that is being funded as part of Investment Priority 4. Together these programmes deliver a comprehensive catchment level approach to flood risk management.
- 4.13 A summary of the scheme’s business case and location map is included in **Appendix 1**.

Tackling the Climate Emergency Implications

- 4.14 The Combined Authority is working towards the challenging ambition of being a net zero carbon economy by 2038, and to have made significant progress by 2030. Climate change and the increased frequency and intensity of weather patterns are making the risks associated with flooding more acute. This programme contributes to this ambition and to tackling the implications of the climate emergency by delivering enhanced flood protection and climate resilience to communities, homes, and businesses across West Yorkshire.
- 4.15 The programme may experience a short/medium term increase in carbon impact via construction materials. However, this will be mitigated as much as possible during the construction phase and will be balanced against the longer-term positive carbon impact via the reduced frequency and severity of flooding e.g., by the carbon impact of rebuilding/restoring flood damage.

- 4.16 A Stage 1 Carbon Impact Assessment has been completed. The subsequent project business cases will be required to complete a Stage 2 Carbon Impact Assessment.

Outputs and Benefits

- 4.17 The programme has the potential to lead to a reduction in the social and economic cost of flooding, such as the avoidance of repair costs to residential and commercial assets, reducing the flood recovery costs associated with infrastructure, improved business confidence to remain and/or invest in areas of flood risk, resulting and improved mental health and wellbeing for those living and working within the affected area.
- 4.18 All businesses and homes within the flood benefit areas for the proposed schemes will receive enhanced flood protection. This will be the best deliverable Standard of Protection (SoP) based on economic viability and environmental impact, which will take account of future climate change. The resultant level of protection will be based on HMT Green Book principles and the EA Partnership Funding policy.
- 4.19 The programme outputs and benefits are:
- Improved climate resilience and flood defences.
 - Creation of new flood alleviation schemes.
 - Refurbishing existing flood alleviation schemes.
 - Enhanced flood protection to approximately 2,560 homes and 2,271 businesses employment approximately 28,952 FTE jobs.
 - The provision of flood protection to vulnerable and deprived areas.
 - The delivery of innovative schemes incorporating new methods that will be transferable to other areas.
 - Reduced impact upon transport and utilities infrastructure, such as roads closed due to flooding.
 - Improved mental health outcomes by reducing frequency and scale of flooding in communities and its negative impacts to residents.
- 4.20 No value for money assessment has been undertaken at this stage. A value for money assessment will be completed as part of project development for each of the individual business cases before they are brought forward for approval.

Inclusive Growth Implications

- 4.21 The scheme inclusive growth implications are:
- The programme will provide flood protection to vulnerable and deprived areas, including those defined as the top 10-20% most deprived by the Indices of Multiple Deprivation (IMD).
 - Research undertaken by the Joseph Rowntree Foundation (JRF) has found that many socially deprived neighbourhoods are also socially

vulnerable to climate events. Low income households are less able to make their property resilient, and to respond to and recover from the impacts of floods. The ability to relocate is affected by wealth, as is the ability to take out insurance against flood damage. Furthermore, Yorkshire and Humberside is estimated to be the most flood disadvantaged region in England.

- The Programme will also contribute towards improving individual knowledge of flood risk to homes and businesses, improving knowledge of climate change mitigation measures, and improving mental health outcomes by reducing frequency and scale of flooding in communities.

Equality and Diversity Implications

4.22 The scheme equality and diversity implications are:

- Research from Age UK has shown that people with disabilities, older age groups and pregnancy may affect the ability to evacuate quickly from an area at risk of flooding. The Flood Programme has the potential to positively impact protected characteristics through the reduction of flooding risk to properties.

4.23 An Equality Impact Assessment (EqIA) has been undertaken for the scheme and equality and diversity impacts taken account of as part of the development of the scheme and the business case development. Each project within the programme will undertake a Stage 2 Equality Impact Assessment.

Risks

4.24 The key scheme risks and mitigations are:

- Inflationary and cost increases leading to an increased funding gap. This will be mitigated by undertaking robust cost profiling and inclusion of contingency.
- Prolonged periods of adverse weather leading to delays across the programme. This will be mitigated by allowing for seasonal delays within project delivery timeframes.
- Constraints on labour availability leading to delays and a risk of undeliverability. This will be mitigated by robust cost profiling and early engagement with the market.
- The development of the business cases may not progress as anticipated leading to delays in delivery. This will be mitigated by allowing for business case developing in the project delivery timeframes.

Costs

4.25 The total scheme costs are £168,000,000.

4.26 To fund the full programme, the Combined Authority's contribution would be £73,000,000. However, at this time, the decision has been taken to progress an initial package of short term deliverable and developed schemes to provide enhanced protection to vulnerable communities now. This will be initiated

alongside engagement with partners to accelerate delivery of the remainder of the programme.

- 4.27 In February 2023, the Combined Authority approved the principal use of £10,000,000 of SIF.
- 4.28 The remaining funding will be from the following sources: DEFRA Grant-in-Aid (GiA), Local Levy (Local Authorities), indicative allocation from Other Government Department funding, Asset Replacement Allowance and other funding sources including Central Government, Local Authority and private sector contributions.
- 4.29 At decision point 1 (strategic assessment) £113,735 of development costs were approved for Combined Authority resources.
- 4.30 This SOC is requesting £2,255,561 to be approved for resources, communications, inflation, and monitoring and evaluation.
- Inflation: £553,217
 - Pan programme costs: £221,546
 - Staffing: £1,430,798
 - Communications: £25,000
 - Monitoring & Evaluation: £25,000
 - **Total: £2,255,561**
- 4.31 This report is requesting approval to commence delivery of the pipeline, with progression of the Phase 1 and 2a schemes due to their stage of development and proposed delivery timeframes. The schemes initially funded have a total cost of £50,686,450 of which, £10,000,000 will be funded by the Combined Authority.
- 4.32 Phase 1 has a total delivery cost of £33,285,500 and Phase 2a has a total delivery cost of £15,145,389.

Assurance Pathway and Approval Route

Capital Flood Risk Management Programme

Assurance pathway	Approval route	Forecast approval date
1 (strategic assessment)	Recommendation: Strategic Assessment Priority (SAP) Group Decision: Director of strategy, Communications and Policing and Director of Delivery	03/02/2022
2 (strategic outline case)	Recommendation: Combined Authority's Programme Appraisal Team	Q2 2023/24

	Decision: Climate, Energy and Environment Committee	
7 (evaluation)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority Director	Q1 2031/32

Sheepscar Beck Refurbishment

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	Q3 2023/24
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q1 2024/25

Stubbing Holme Road

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	Q3 2023/24
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q1 2025/26

Brighouse Flood Alleviation Scheme Phase 1

Assurance pathway	Approval route	Forecast approval date
4 (full business case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	Q4 2023/24
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q3 2025/26

Albert Street Flood Alleviation Scheme

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	Q4 2023/24
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q1 2025/26

Wyke Beck Improvement Phase 2

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	Q4 2023/24
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q1 2025/26

Wortley Beck Improvements, Leeds

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	Q1 2024/25
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q2 2025/26

Meanwood Beck

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team	Q1 2024/25

	Decision: Climate, Energy and Environment Committee	
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q1 2026/27

Callis Bridge Scheme- Replacement of Wall

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	Q4 2023/24
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	Q4 2025/26

Walsden Flood Alleviation Scheme, Phase 2 & Phase 3 Projects

Assurance pathway	Approval route	Forecast approval date
2-4 (business justification case)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Climate, Energy and Environment Committee	To be confirmed
5 (delivery)	Recommendation: Combined Authority's Programme Appraisal Team Decision: Combined Authority's Chief Operating Officer	To be confirmed

Assurance Tolerances

Assurance tolerances
Cost: Combined Authority costs remain within +10% of those outlined in this report Programme: Delivery (DP5) timescales remain within 6 months of those outlined in this report. Outputs: Remain within -10% of those outlined in this report

Appraisal Summary

- 4.33 The business case states alignment with the West Yorkshire Investment Strategy specifically to Investment Priority 3- Creating Great Places and Accelerated Infrastructure. It is highlighted that West Yorkshire has numerous

residential, commercial, and industrial properties located near various bodies of water which along with the West Yorkshire landscape, make places vulnerable to flooding.

- 4.34 The business case also states socially deprived neighbourhoods are more likely to be impacted from flood events which is backed up by research from the Joseph Rowntree Foundation. A link to the research (from 2011) is included in the business case. The programme will deliver flood alleviation measures across deprived areas in West Yorkshire. A map has been provided in the business case which shows the scheme locations mapped against the areas of deprivation.

Recommendations

- 4.35 The Climate, Energy, and Environment Committee approves that:
- (i) The Capital Flood Risk Management Programme proceeds through decision point 2 and work commences on the individual business cases.
 - (ii) Conditions have been set by Programme Appraisal Team. These are to be discharged within 3 months of this approval.
 - (iii) Indicative approval is given to the Combined Authority's contribution of £10,000,000 for Phases 1 and 2a. Funding is being sought for Phase 2b and 3. The total programme value is £168,000,000.
 - (iv) Development costs of £2,255,561 are approved in order to progress the individual project business case submissions. This takes the total approved to £2,369,296.
 - (v) Future approvals are made in accordance with the assurance pathway, approval route and tolerances outlined in this report.

Projects in Stage 2: Scheme development

- 4.36 There are no schemes to review at this stage.

Projects in Stage 3: Delivery and Evaluation

- 4.37 There are no schemes to review at this stage.

5 Tackling the Climate Emergency implications

- 5.1 The Climate Emergency implications have been considered on all projects included in this report as part of their business case development.

6 Inclusive Growth implications

- 6.1 The inclusive growth implications have been considered on all projects included in this report as part of their business case development.

7 Equality and Diversity implications

- 7.1 Equality Impact Assessments (EqIA) have been undertaken on all projects included in this report as part of their business case development.

8 Financial implications

- 8.1 The report seeks endorsement to expenditure from the available Combined Authority funding as set out in this report.

9 Legal implications

- 9.1 The payment of funding to any recipient will be subject to a funding agreement being in place between the Combined Authority and the organisation in question.

10 Staffing implications

- 10.1 A combination of Combined Authority and local partner council project, programme and portfolio management resources are, or are in the process of, being identified and costed for within the scheme in this report.

11 External consultees

- 11.1 Where applicable scheme promoters have been consulted on the content of this report.

12 Recommendations (Summary)

Scheme name

- 12.1 The Climate, Energy, and Environment Committee approves that:
- (i) The Capital Flood Risk Management Programme proceeds through decision point 2 and work commences on the individual business cases.
 - (ii) Conditions have been set by Programme Appraisal Team. These are to be discharged within 3 months of this approval.
 - (iii) Indicative approval is given to the Combined Authority's contribution of £10,000,000 for Phases 1 and 2a. Funding is being sought for Phase 2b and 3. The total programme value is £168,000,000.
 - (iv) Development costs of £2,255,561 are approved in order to progress the individual project business case submissions. This takes the total approved to £2,369,296.
 - (v) Future approvals are made in accordance with the assurance pathway, approval route and tolerances outlined in this report.

13 Background Documents

- 13.1 None as part of this report.

14 Appendices

Appendix 1 – Capital Flood Risk Management Programme – Business Case Summary