

Appendix 2: Flood Review Work Programme Update

Flood Review Recommendation	Summary of Progress (October 2018)	Status
Economic Impacts of Flooding		
<p>1. The Combined Authority, in partnership with the Environment Agency (EA), local authorities, local resilience forums and other partners, map and undertake a full assessment of the resilience of the critical infrastructure to cope with major future flood events within whole river catchment areas, further developing the approach taken by the National Flood Resilience Review.</p>	<ul style="list-style-type: none"> • A critical infrastructure database is available as required to all partners via Resilience Direct (subject to security protection around this information) (see Recommendation 2) 	In Progress
<p>2. Develop a City Region Flood Resilience Delivery and Investment Plan drawing together all funding sources to enhance and / or bring forward flood mitigation projects over the next five years and beyond to protect communities and support economic growth and development. This will include setting out the approach to addressing the long-term infrastructure resilience needs across Leeds City Region, including the contribution of green infrastructure.</p>	<ul style="list-style-type: none"> • Local Resilience Forums (LRFs) have worked collaboratively to review the critical infrastructure list for West and North Yorkshire, and identified appropriate mitigation measures for some (but not all) of these. • This work is ongoing between the Combined Authority and the LRF's Management Group (next meeting 5 December) 	In Progress
<p>3. Carry out further work to quantify the indirect economic impacts of flooding in the City Region to better understand infrastructure resilience needs.</p>	<ul style="list-style-type: none"> • Initial work has been undertaken to identify the key contacts/organisations that can support this work. • The Combined Authority's Research and Intelligence Team is investigating opportunities to collaborate with the academic sector to take this recommendation forward. A discussion paper to consider options to deliver this recommendation will be considered by the Senior Flood Officers Group in late 2018. This paper will consider potential options, which organisations may be able to contribute and potential cost implications (e.g. if primary research is required). 	In Progress

Emergency Response and Recovery		
4. Undertake a review, led by the West Yorkshire and North Yorkshire Resilience Forums, of the emergency command structures to identify any potential improvements and ensure they are fit for purpose.	<ul style="list-style-type: none"> • The West Yorkshire and North Yorkshire Local Resilience Forums have been engaged to ensure they are able to lead on this and whether they may need funding/support to meet this recommendation. • Further detailed discussions are scheduled between the Combined Authority and the West Yorkshire LRF's Management Group (next meeting 5 December). 	In Progress
5. Undertake a review, by all 10 City Region local authorities, of their approaches to recovery, including the appropriate time period to move from the response to the recovery phase and prepare / update Single Integrated Recovery Plans referring to the Calderdale Integrated Recovery Plan as an example of good practice.	<ul style="list-style-type: none"> • The West Yorkshire and North Yorkshire Local Resilience Forums have been engaged to ensure they are able to lead on this and whether they may need funding/support to meet this recommendation. • Further detailed discussions are scheduled between the Combined Authority and the West Yorkshire LRF's Management Group (next meeting 5 December) 	In Progress
6. Support people and businesses in high flood risk areas to prepare their own 'Personal Emergency Plans' and provide suitable materials, flood boxes and support for future flood events.	<ul style="list-style-type: none"> • The West Yorkshire and North Yorkshire Local Resilience Forums have been engaged to ensure they are able to lead on this and whether they may need funding/support to meet this recommendation. • Initial work has been carried out in this area. LRFs now investigating any potential need to refresh work. There is also a recognition that further work is required on support for LRFs in engaging with businesses (next meeting 5 December). 	In Progress
7. Increase the number of trained flood wardens across the City Region in preparation for future flood events.	<ul style="list-style-type: none"> • Measures have been successfully put in place to increase the number of flood wardens. There are now 117 wardens across the City Region with an ongoing campaign to recruit more. • This recommendation is now considered closed as it now part of 'business as usual' for partner organisations. 	Complete

<p>8. Explore the benefits and practicalities of establishing a single public emergency contact telephone number for the City Region.</p>	<ul style="list-style-type: none"> • The EA's Flood Line Service provides a one stop phone number which anyone can sign up for. Customers are alerted by phone, email or text when flooding is expected including risk of flooding from rivers, the sea and groundwater. 	<p>Complete</p>
<p>9. Build stronger relationships between local resilience forums and local authorities with local media to raise awareness of real time issues and access to emergency help, and embed best practice from social media into emergency plans.</p>	<ul style="list-style-type: none"> • Initial work has been carried out in 2016-17 with key links made between LRFs, council partners and local/regional media. • This may now need to be refreshed or provision made to ensure its kept up to date (e.g. where key staff move on). • LRFs now investigating any potential need to refresh work (next meeting 5 December) 	<p>In Progress</p>
<p>10. Identify best practice and explore the benefits of adopting a consistent definition of critical infrastructure to be protected in the event of floods for the West Yorkshire and North Yorkshire Resilience Forums; for example, hospitals, schools, vulnerable residents, communications infrastructure.</p>	<ul style="list-style-type: none"> • See Recommendation 1. 	<p>In Progress</p>

<p>11. Explore the opportunities for a simpler claiming process for individual residents or businesses after flood events with government and the insurance industry.</p>	<ul style="list-style-type: none"> • The Combined Authority is investigating potential measures that could be put in place locally to support businesses that are struggling to access flood insurance. This will include a review of what is being done locally (i.e. York and Calderdale) and the development of recommendations for the LEP Board to consider followed by a letter from the LEP Board Chair to key contact in central government. • The Combined Authority is engaging with Government via consultations/calls for evidence as they arise to highlight the need for change at the national level e.g. national policy consultations, Combined Authority budget submissions to government and engagement with the National Infrastructure Commission. 	<p>In Progress</p>
<p>Planning, Risk Reduction and Mitigation for Future Events</p>		
<p>12. Consistent planning policies and approaches across the City Region developed by the Combined Authority and local authorities to mitigate flooding and improve resilience, including preparing City Region SuDS planning guidance to provide a stronger steer for the adoption of SuDS.</p>	<ul style="list-style-type: none"> • The SEP confirms the need for planning on a catchment scale and delivery of integrated infrastructure • Combined Authority responds to local authority plan making consultations as they emerge to highlight the strategic context outlined by the SEP. This is now part of their ongoing work programme. • Development of updated City Region Sustainable Drainage System (SuDS) guidance is underway. The development of this work includes input from Yorkshire Water, city region flood managers and the Environment Agency. It is anticipated that the update will be complete by the end of 2018. 	<p>In Progress</p>

<p>13. Adopt a whole catchment approach to flood risk and resilience and ensure that resources are made available to promote and instigate natural flood management (NFM), identifying best practice and building on what is already being done across the City Region. This should include a focus on the identification and development of funding mechanisms to enable more rapid and expansive progress on natural flood and upland management.</p>	<ul style="list-style-type: none"> • Partners are working within 3 Operational Groups (for the Colne, Calder and Aire) to submit NFM programmes for the £1.7m Local Growth Fund 3 allocation (part of the City Region's £20m Flood Alleviation Programme). • This has been completed as part of the work on the City Region Green and Blue Infrastructure Strategy. The emerging Delivery Plan which will drive forward action on identified priorities. • Through the development of the mini-delivery plan for Priority 1A of the Green and Blue Infrastructure Delivery Plan a total of 15 natural flood management projects have been identified. These range from components in large-scale flood alleviation schemes e.g. Aire Natural Flood Management Programme within the Leeds Flood Alleviation Scheme, to smaller discrete projects e.g. Midgelden Brook Community Natural Flood Management. The total CAPEX of the schemes that have been identified is circa £19.2 million. 	<p>In Progress</p>
<p>14. Explore with Ministry for Housing, Communities and Local Government (MHCLG) and the Combined Authority the opportunities for updating building control legislation to help deliver greater resilience and resistance to flooding of new buildings and development.</p>	<ul style="list-style-type: none"> • The Combined Authority is exploring opportunities to highlight the need for revisions to building regulations. • Opportunities will be explored to highlight flood issues, subject to any future consultations and engagement with government e.g. national policy consultations, Combined Authority budget submissions to government and engagement with the National Infrastructure Commission. 	<p>In Progress</p>

<p>15. Consider extending climate change allowance modelling for fluvial flooding beyond existing scenarios to align with the SEP forecasting timescales and support delivery of longer term Strategic Priority Growth Areas.</p>	<ul style="list-style-type: none"> • Since 2015 there is an updated understanding of flood risk in many areas of the City Region due to the most recent Environment Agency modelling of climate change allowances. In those areas where the Agency does not have new modelling available, an analysis of how climate change, and its impact, will be undertaken over 2018/19 as new data becomes available. 	<p>In Progress</p>
<p>16. Convene a strategic working group of local partners reporting to the Combined Authority to share expert advice and good practice, and coordinate actions to deliver these recommendations.</p>	<ul style="list-style-type: none"> • Senior Flood Officers Group established which includes representation from key stakeholders (see paragraph 2.10-11 for further information). 	<p>Complete</p>
<p>17. Identify resource-sharing opportunities between the Combined Authority and local authorities to ensure the necessary flood and drainage expertise is in place to inform the local planning process across the City Region.</p>	<ul style="list-style-type: none"> • Council partner resources have been mapped to support resource sharing as needs arise. • A West Yorkshire Memorandum of Understanding (MoU) has been developed for resource sharing including drainage skills. 	<p>Complete</p>
<p>18. Further collaboration between the Combined Authority and Yorkshire Water to identify where reservoirs may better assist with flood risk management as part of a package of measures, without compromising the supply of water to the City Region. This may include amendments sought by the Combined Authority to legislation and regulations to enable water companies to manage their reservoirs to more effectively contribute to reducing the impacts of flooding.</p>	<ul style="list-style-type: none"> • Discussions held between all parties via the Senior Flood Officers Group and work on the Green and Blue Infrastructure Strategy. • Yorkshire Water are progressing the Hebden Water pilot project in Calderdale. The outcomes of this project will be monitored to inform future work in this area. 	<p>In Progress</p>

<p>19. Exploration between the Combined Authority, the LEP and government through devolution, the potential long-term opportunities to maximise effective, more integrated arrangements for flood risk management and investment in the future.</p>	<ul style="list-style-type: none">• Flooding related powers/funding was included as an 'ask' in the 2015 Leeds City Region devolution submission. This has been superseded by a One Yorkshire devolution agreement submission to Government in March 2018 which proposes scope for exploring responsibility for flood defence capital investment e.g. to support advanced environmental resilience/sustainability measures (e.g. Living with Water) for port cities.	<p>In Progress</p>
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