Portfolio Holder Report

The portfolio holder will make a decision on this item after seven days have elapsed (including the date of publication).

<table>
<thead>
<tr>
<th>Report of:</th>
<th>Portfolio Holder</th>
<th>Date of publication</th>
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<tbody>
<tr>
<td>Michael Ryan</td>
<td>Cllr Roger Berry</td>
<td>15 January 2015</td>
</tr>
<tr>
<td>Corporate Director of People and Places</td>
<td>Neighbourhood Services Portfolio Holder</td>
<td></td>
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Fleetwood and Cleveleys Beach Management Recovery Works

1. Purpose of report

1.1 To seek retrospective agreement for Wyre Council to enter into a contract with a competitively selected contractor for the re-establishment of beaches and beach management groynes damaged during the Winter storms of 2013/14 along the Cleveleys and Fleetwood frontage and approval for the externally funded scheme to be added to the 2014/15 Capital Budget.

1.2 To agree to submit an application to the Environment Agency under the Recovery programme for the works.

2. Outcomes

2.1 Progress and approval of externally funded Recovery works including movement of displaced beach material from Fleetwood back to Cleveleys and re-establishment of the timber groyne field as detailed in the report.

3. Recommendations

3.1 That the contract between Wyre Council and the competitively selected contractor for the Fleetwood and Cleveleys Beach Management Recovery Works is noted and approved commencing 26 August 2014.

3.2 That the externally funded scheme be added to the Council’s 2014/15 Capital Budget.

3.3 That the intention to submit an application to the Environment Agency under the Recovery programme for the works is noted and approved.
4. Background

4.1 During the winter storms commencing on the 5th December 2013 and ongoing through January 2014 the beaches and the timber groyne structures that retain them suffered significant damage. The government announced additional funding to assist coastal authorities in recovering from the storms. The requirement was that the coastal defences would provide pre storm standards of protection to be in place before winter 2014/15.

4.2 The works have been very successful and were substantially completed on 24 November 2014 within budget.

5. Key issues and proposals

5.1 Approval was given by the Environment Agency to undertake the works to a value of £300,000 in July 2014, with funding subject to completion of a Project Appraisal Report (PAR).

5.2 Further to an appropriate and due procurement process using the CHEST, William Pye Ltd demonstrated the greatest value for money bid for both replacement of the timber groynes and moving the beach material from Fleetwood back to Cleveleys.

5.3 The groyne works comprise replacement of timber groyne boards to 27 groyne structures replacing a total length of 6,350m of timber boards and 58 supporting piles.

5.4 The Council entered into a contract with William Pye Ltd on 21 August 2014. The final sum for the groyne works is anticipated to be £147,280.

5.5 The beach works involved the transportation to Cleveleys by road of shingle and sand beach material from Fleetwood, where it had moved by natural processes and was causing problems to navigation. The timber groynes were substantially completed by this time to retain the beach material.

5.6 The Council entered into a contract with William Pye Ltd on 24 September 2014 for the sum of £115,000 for the beach works.

6. Delegated functions

6.1 The matters referred to in this report are considered under the following executive function delegated to the Neighbourhood Services Portfolio Holder (as set out in Part 3 of the council’s constitution): To consider any matter relating to the Council’s responsibilities for coast protection or the provision and maintenance of sea defences.
Financial and legal implications

Finance

Authorisation for expenditure of £300,000 grant approval award from the Environment Agency (EA), acting on behalf of the Department for Environment, Food and Rural Affairs (DEFRA) has been received and fully covers the works undertaken. Payment of the approved sum is dependent on approval of the PAR which is expected shortly.

The externally funded scheme will be included in the 2014/15 Capital Budget.

Legal

The required contract formalities were applied.

Other risks/implications: checklist

If there are significant implications arising from this report on any issues marked with a ✓ below, the report author will have consulted with the appropriate specialist officers on those implications and addressed them in the body of the report. There are no significant implications arising directly from this report, for those issues marked with a x.

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<td>health and safety</td>
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List of background papers:

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<th>name of document</th>
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<th>where available for inspection</th>
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<tr>
<td>Project appraisal report</td>
<td></td>
<td></td>
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<tr>
<td>Fleetwood and Cleveleys Beach Management</td>
<td>10 December 2014</td>
<td>below</td>
</tr>
<tr>
<td>Recovery Works</td>
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List of appendices

None

arm/ph/ne/cr/15/0001cg2
Project appraisal report

Authority scheme reference
URN1424/Recovery/8272

National project number

Authority applying for a grant
Wyre Council

Scheme name
Fleetwood and Cleveleys Beach Management Recovery Works

Damage to Groyne Field and Beach Draw Down on Western Frontage Cleveleys to Fleetwood

10 December 2014

Version
Final V3

Project appraisal report for
Approval
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<th>Date issued</th>
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<td>Draft</td>
<td>Carl Green</td>
<td>02 Oct 2014</td>
<td></td>
</tr>
<tr>
<td>002</td>
<td>For Issue</td>
<td>Carl Green</td>
<td>10 Dec 2014</td>
<td></td>
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<td>Final 003</td>
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Contents

1 Project Appraisal Report........................................................................................................... 1
  1.1 Introduction and background ................................................................................................. 1
  1.2 History of flooding ............................................................................................................... 1
  1.3 Problem ............................................................................................................................. 1
  1.4 Options considered ............................................................................................................. 2
  1.5 Preferred option ................................................................................................................. 2
  1.6 Recommendation ............................................................................................................... 6
  1.7 Briefing paper ..................................................................................................................... 7
  1.8 Key plans .......................................................................................................................... 8

Appendix A  Project report information sheet ............................................................................. 1

Tables
Table 1.1  Project costs (£ thousands) .......................................................................................... 4
Table 1.2  Defra outcome measures and score .......................................................................... 4
Table 1.3  Risks and mitigation .................................................................................................. 5
### Approval history sheet

1. **Review**
   - **Project title:** Fleetwood and Cleveleys Beach Management Repair Works
   - **Authority project code:** URN1424/Recovery/8272
   - **Date of PAR:** 10 Dec 2014
   - **Lead authority:** Wyre Council
   - **Consultant:**
     - **Job title:** Head of Engineering
     - **Name:** Carl Green
     - **Signature:**
     - **Date:** 10 Dec 2014

   ‘I have reviewed this document and confirm that this project meets our quality assurance requirements, all of the required environmental obligations and Defra investment appraisal conditions. I confirm that all internal approvals, including member approval, have been completed for this project and recommend we apply to the Environment Agency for a capital grant of £300,000.’

   - **Authority Project Executive:** Michael Ryan
   - **PAR reviewer:**
   - **Area Flood Risk Manager:** Andy Brown

2. **Project approval**
   - **Officers in line with the financial scheme of delegation (FSOD):** Specified Officer, Director, Executive Director of Operations, Chief Executive or Executive Director of Finance: Agency Board

   - **Version number:**
   - **Date:**
   - **Capital grant – amount approved by:**
     - **Date:**
   - **For the amount of £**
     - **(if different from above):**
   - **Breakdown of approved costs**

3. **Defra approval**
   - **Date sent to Defra**
     - **(If this does not apply, write ‘does not apply’):**
     - **Version number**
     - **(if different):**
   - **Date approved by Defra**
     - **(If this does not apply, write ‘does not apply’):**
   - **Comments:**
1 Project Appraisal Report

1.1 Introduction and background

Location and background

1.1.1 This Project Appraisal Report (PAR) seeks approval to undertake Flood and Coastal Erosion Risk Management (FCERM) works to repair and return to pre 2013 Christmas storm conditions barrier beaches and beach management systems in Cleveleys and Fleetwood, Lancashire over a length of approximately 6km of frontage.

1.1.2 The PAR presents the business case and proposed implementation plan for the Cleveleys and Fleetwood Urgent Beach Management Repair Scheme (C&FUBMR). The scheme accords with the approved Wyre Urban Core Strategy (WUCS, September 2012) recommendations for strategy Sub-Unit 1,2 and 4 – Cleveleys, Rossall South and Fleetwood North.

1.1.3 The WUCS also contains the Fylde Peninsula Beach Management Plan (BMP). This BMP is contained within all three Strategies on the Fylde Peninsula, (Blackpool, Fylde and Wyre). This is to give a joined up holistic approach to beach management between the Ribble and Wyre Estuaries. The proposals within this PAR are aligned with the BMP.

1.1.4 The appraisal has been carried out in accordance with current Environment Agency (EA) Flood and Coastal Erosion Risk Management Appraisal Guidance (FCERM-AG) and associated Environment Agency policies and procedures. This is a Recovery Project supported by the approved Wyre Urban Core Strategy (WUCS).

1.1.5 The highest impact flooding is from tidal sources, with over 28,500 properties lying within the flood plain, Flood Zone 3. Flood risk management for the tidal risk is undertaken by Wyre’s Engineering Service Unit.

1.1.6 The area benefiting from tidal defences within the scheme frontage include the towns of Fleetwood, Thornton, Cleveleys and Poulton. They are all low lying and susceptible to flooding from the sea. The majority of the land would, without defences, have a 1 in 2 to 1 in 3 (40%) chance of flooding in any year and so relies heavily on the coastal and estuary defences to prevent inundation. A key element of the coastal defence assets are the barrier beaches which are retained by timber groyne fields.

1.1.7 During the Christmas storms of 2013 many of the timber groynes were damaged. In addition material was lost from the majority of the beaches with a significant amount of material being moved northwards to the estuary.

1.1.8 The key aim of the project is to repair the timber groyne field and restore the barrier beaches to pre 2013 Christmas storm conditions.

1.2 History of flooding

1.2.1 Flooding has occurred on the Wyre coast throughout history. The first recorded event was the destruction of Singleton Thorpe in 1555.

1.2.2 The most recent major flood events occurred in 1927, which resulted in the deaths of six people, and 1977 when over 1,800 properties were subjected to inundation by the sea. The Winter event of 2013 was of similar conditions to those found in 1977.

1.3 Problem

1.3.1 The major source of flooding is through tidal inundation following a breach of the sea defences. The sea defences comprise both the concrete sea aprons and sea wall and the barrier beach and groyne beach retention system.

1.3.2 Lowering of the barrier beaches significantly increases the risk of failure of the defences. The main failure mechanisms are through scouring of the apron and collapse of the defence or through excessive overtopping and wave forces causing structural failure of the concrete defences. The retention of the barrier beaches is critical to the prevention of both mechanisms.

1.3.3 Following the 2013 Christmas storms the western frontage suffered significant beach loss which has subsequently not returned. In addition damage has occurred to significant parts of the timber groyne field including collapse of piled sections.
1.3.4 Wyre Council currently manages the coastal defences along the frontage through routine monitoring, general and reactive maintenance, emergency works and closing the promenade and beach access, when required to maintain public safety. Maintenance costs are currently funded by Wyre Council to ensure that any necessary works are carried out and the overall integrity of the sea defences is maintained.

1.3.5 Following the 1977 floods extensive capital investment saw the enhancement of the defences along the frontage with the addition of a raised rear seawall. Since this time flooding due to overtopping has largely been restricted to acceptable levels, capable of being retained within road kerb heights. Overtopping events vary in severity but occur on average 6 times per annum. Lowering of the beaches results in exposure of the lower aprons of unknown condition, exposure of vertical piled faces and increased water levels at the defences resulting in greater wave heights and energy. The combination of increased wave energy and reduced stability is of particular concern.

1.3.6 Monitoring of the beaches has been undertaken since 1991. Since 2005 the coastal frontage has been monitored as part of the Cell 11 Regional Monitoring Strategy (CERMS), coordinated by Sefton Council. As part of this regional monitoring regime the Council undertakes surveys at 26 defined locations on a six monthly basis, sediment samples are also gathered at the same time. In addition inspections are undertaken for safety issues on a weekly basis and structural condition inspections are conducted six monthly and pre and post storm events by an in-house maintenance team, surveyors and engineering staff.

1.3.7 Beach management operations have to date been limited to the repair and installation of timber groyne systems. It is these groyne systems that the council wish to return to pre storm conditions.

1.3.8 Wyre Council has Flood and Coastal Erosion Risk Management (FCERM) responsibilities within the appraisal area. This includes powers under the Coast Protection Act 1949 to undertake coastal protection works and under the Land Drainage Act 1991 to undertake flood risk management works. The main benefits relating to the proposed scheme relate to alleviation of flood risk and so in accordance with current EA guidance the scheme is promoted under the Land Drainage Act and the FCERM works will be undertaken by Wyre Council using their permissive powers under the Section 14 of the Land Drainage Act (1991).

1.3.9 Planning Consent is not required for the proposed scheme as it is like for like replacement.

1.3.10 The project will include works below mean high water spring tides. Confirmation has been provided by the Marine Management Organisation (MMO) that the works proposed are exempt and therefore do not require a Marine Licence.

1.3.11 The excavation of material moved during the storms into the estuary are located within the Morecambe Bay European Marine Site (EMS) and Wyre Estuary SSSI. Natural England are satisfied that the proposals pose no significant effect and can be undertaken under existing maintenance works permissions.

1.4 Options considered

1.4.1 The options considered were limited by the funding criteria, to replace like for like damage occuring to the defences following the winter storms. The extent of repair was also restricted to the beach management system that was damaged during the event.

1.5 Preferred option

Description

1.5.1 The preferred option is to replace the damaged timber groynes between Cleveleys and Fleetwood, with the exception of the length of groyne field between Rossall Hospital and Rossall Golf Course (Rossall North) which forms part of the Rossall Coast Defence Improvement scheme, which is currently on site. Approximately 5.4km of timber groyne boards will be replaced and 46 supporting posts will be driven to replace the damaged sections.

1.5.2 On completion of the repairs to the timber groyne field the lost beach material, 10,000m³ (which has moved towards the mouth of the River Wyre at Fleetwood) will be excavated and returned to the head of the system at Cleveleys. This work will be undertaken in accordance with previous licences and agreements with the MMO and Natural England.
1.5.3 Healthy barrier beaches are required on the west coast both to sustain the standard of coastal protection and for recreation and leisure activities. Without the beach retention structures and replenishment of lost beach material many of the beaches will be limited in their effectiveness as part of the flood defence system and much of the underlying clay material will become exposed. This has both the consequence of unuseable beach frontages and the potential permanent loss of the clay strata.

1.5.4 The Fylde, Blackpool and Wyre strategies undertook a joint Beach Management Plan as part of the StARs. The proposals for the restoration of the beach management systems are in accordance with and utilise the findings of this document.

1.5.5 The proposed works are maintenance and confirmation that the works are exempt from MMO licencing has been obtained.

Benefits

1.5.6 The retention of a healthy beach is a key factor in the standard of protection offered by the coastal defences along the coastline from Cleveleys to Fleetwood. These defences protect 28,500 properties from flooding. Within the strategy 9,100 properties are allocated to the frontages where the works are proposed.

1.5.7 The benefits taken by reinstatement of the groyne fields and beaches to pre storm conditions only seek to address the increase in overtopping and not any increase in breach probability (which will be addressed by future Capital Improvement schemes.). Only the frontage properties not previously allocated to schemes are therefore taken as shown on diagrams 1.8A and 1.8B.

1.5.8 No benefits have been taken for loss of amenity or visitors to the coast due to loss of beaches although this is an important and relevant factor.

1.5.9 Properties at immediate increased risk have therefore been calculated using the coastal frontage properties within the defined flood risk mapping areas: A total of 300 properties are defined at risk of flooding at less than a 1 in 20 year event if works are not undertaken to raise the standard of protection provided to pre event levels.

Costs

1.5.10 The costs of the works is anticipated to be £300,000, additional maintenance monies will supplement this provision where groyne fields prior to the storms were in poor condition.

1.5.11 All costs except for external consultant and works costs will be borne by the council.
Table 1.1  Project costs (£ thousands)

<table>
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<tr>
<th>Costs up to PAR (outline design)</th>
<th>Economic appraisal</th>
<th>Whole-life cash cost</th>
<th>Approval</th>
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<td>Costs after PAR</td>
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<tr>
<td>Existing staff costs</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Construction</td>
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<td>285</td>
<td>285</td>
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<tr>
<td>Risk contingency</td>
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<tr>
<td>95%ile (represents 10% of project FSF approval)</td>
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<tr>
<td>50%ile</td>
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<td>15</td>
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<td>Inflation</td>
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<tr>
<td>Future costs (construction + maintenance)</td>
<td>(PV)</td>
<td>(Cash)</td>
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<tr>
<td>Contributions</td>
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<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>352</td>
<td>475</td>
<td>300</td>
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</table>

1.5.12 Wyre Council have agreed to underwrite all supervision, survey and investigation costs as part of their ongoing maintenance programme. All future costs are contained within current Wyre Council maintenance programmes.

1.5.13 Tender costs to date for timber groyne works £147,291 (including VO for £13,183) and beach works £115,000, a risk allowance of £14,909 (equivalent to 5.2%) has been applied.

Economic summary, outcome measures and priority

1.5.14 The repair works are of high importance to be in place before the Christmas period. Until the works are complete the Council will be closing storm gates and operating emergency response on lower threshold events.

Table 1.2  Defra outcome measures and score

<table>
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<tr>
<th>Contributions to outcome measures</th>
<th>Outcome 1 – Ratio of whole-life benefits to costs</th>
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<tr>
<td>Present value benefits (£ thousands)</td>
<td>13,500</td>
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<td>Present value costs (£ thousands)</td>
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<td>Benefit:cost ratio</td>
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<table>
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<tr>
<th>Outcome 2 – Households at reduced risk (number – nr)</th>
<th>2b – Households moved from very significant or significant risk to moderate or low risk (nr)</th>
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<td>Partnership raw funding score (%)</td>
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<tr>
<td>Non-Flood Defence Grant in Aid (FDGiA) contributions towards the scheme’s whole-life costs</td>
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<tr>
<td>Partnership-funding adjusted score (%)</td>
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Funding and contributions

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<th>Approved estimates (£)</th>
<th>Total final spending (£)</th>
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<td>(b) Construction work (fill in as appropriate)</td>
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<td></td>
<td>• Authority's own or hired manual labour</td>
<td>5,000</td>
<td>4,000</td>
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<td></td>
<td>• Authority's own or hired plant</td>
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<td></td>
<td>• Materials</td>
<td>4,000</td>
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</tr>
<tr>
<td></td>
<td>• Work carried out by contract (list contractors)</td>
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<tr>
<td></td>
<td>1 William Pye Limited</td>
<td>£262,291</td>
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<tr>
<td></td>
<td>2 Balfour Beatty</td>
<td>£9,800</td>
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<tr>
<td>(c) Land-purchase payments (including fees) (please specify in part D)</td>
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<td>(d) Compensation payments (including fees) (please specify in part D)</td>
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<tr>
<td>(e) Existing staff costs totally associated with the project</td>
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<td>(f) Further staff costs totally associated with the project</td>
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<tr>
<td>(g) Professionals’ and consultants’ fees</td>
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<tr>
<td>(h) Contingencies</td>
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<tr>
<td>(i) Other costs (please specify)</td>
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<td></td>
</tr>
<tr>
<td>(j) Total</td>
<td>300,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(k) Less deductible contributions received or receivable (please specify)</td>
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<tr>
<td>(l) Less cost increases not approved and project items approved but not eligible for a grant</td>
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<td>(m) Net spending (eligible for a grant) (j) − (k) − (l)</td>
<td>300,000</td>
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Key delivery risks

Table 1.3 Risks and mitigation

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<th>Key delivery risk</th>
<th>Mitigation</th>
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<tbody>
<tr>
<td>Inclement Weather £7.2k</td>
<td>Met Office &amp; EA warnings. Phasing of work.</td>
</tr>
<tr>
<td>Poor Ground £3.2k</td>
<td>Approved routes across beach.</td>
</tr>
<tr>
<td>Obstructions to piling £2.5k</td>
<td>Test area prior to piling.</td>
</tr>
<tr>
<td>Environmental damage £1.1k</td>
<td>Close supervision of works within SAC areas.</td>
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</table>
1.6 Recommendation

1.6.1 The Fleetwood and Cleveleys Beach Management Repair Works contract seeks to return the beaches along the west coast between Fleetwood and Cleveleys to post Winter 2013/14 storm conditions in order to prevent flooding to over 300 properties which currently have a very significant risk of flooding >5%.

1.6.2 The preferred option is to reconstruct timber groynes and on completion renourish the western beaches with material deposited during the storms adjacent to the River Wyre navigation channel.

1.6.3 Approval is sought for £300,000 from FDGiA Recovery monies, which includes a contingency allowance of £14,909. The council will provide supervisory services and design at their cost. The council have also undertaken to provide replacement of groynes in poor condition prior to the event and to undertake future maintenance.
## 1.7 Briefing paper

<table>
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<th>Risk management authority</th>
<th>Wyre Council</th>
<th>Project Executive</th>
<th>Michael Ryan</th>
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<td>Code</td>
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<td>Consultant</td>
<td>NA</td>
<td>Contractor</td>
<td>William Pye Ltd</td>
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<tr>
<td>Status</td>
<td>Final</td>
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<tr>
<td>Issue Date</td>
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### The problem
Following the winter storms of 2013/14 significant damage occurred to the beach management timber groyne field and resulting in losses to the barrier beaches along the Wyre coastal frontage.

### Assets at risk from flooding
300 properties immediately adjacent to the sea defences at risk of flooding at less than 1 in 20 due to lowering beach levels and increased overtopping of defences.

### Existing standard of flood protection
<5%

### Proposed standard of flood protection
1.3%

### Description of proposed scheme
To return the beach levels to pre storm levels by repairing storm damaged beach management groynes and subsequently nourishing with 10,000m³ of displaced beach material.

### Costs (PVc)

<table>
<thead>
<tr>
<th>Benefits (PVb)</th>
<th>Average benefit:cost ratio (PVb/PVc)</th>
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<td>£13,500,000</td>
<td>38.6:1</td>
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### NPV

<table>
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<tr>
<th>Incremental benefit:cost ratio</th>
<th>Whole-life cost (cash value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>475,000</td>
</tr>
</tbody>
</table>

### Choice of preferred option
As stated within terms of Recovery grant only works that put back to previous standard of service can be considered.

### Total eligible cost of the capital grant applied for
£300,000 (including £14,909 contingency)

### Delivery programme

<table>
<thead>
<tr>
<th>Planning approval</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Award construction contract</td>
<td>21 August 2014</td>
</tr>
<tr>
<td>Start date of construction</td>
<td>26 August 2014</td>
</tr>
<tr>
<td>End date of construction</td>
<td>19 December 2014</td>
</tr>
<tr>
<td>End of project</td>
<td>31 January 2015</td>
</tr>
</tbody>
</table>

### Are funds available for the delivery of this project?
Yes ☒ No ☐

### External approvals
Harbour Authority, MMO, Natural England

### Outcome measures

<table>
<thead>
<tr>
<th>Outcome measure 1</th>
<th>Outcome measure 2</th>
<th>Outcome measure 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,781</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outcome measure 4</td>
<td>Outcome measure 5</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Overall outcome measures score
13,500

### Contribution to Defra SDA targets
300
1.8 Key plans

1.8.1 The key plans show the two areas of works and properties benefiting from them.

Figure 1.8A Fleetwood area benefiting from works.

Fig 1.8B Cleveleys Area Benefiting from Works.
Please read through this form and the guidance notes that came with it. Please write clearly in the answer spaces.

Please send a signed copy of this form (unless it already forms part of the project appraisal report (PAR)) to the Area Flood and Coastal Risk Manager for approval. Their contact details are on previous letters we have sent you.

- Our general conditions for grants are set out in our grant memorandum. The grant process does not make or form part of the contract between you and us.

Contents
- Part A Scheme details
- Part B Certificate of the authority
- Part C The Data Protection Act 1998
- Part D Declaration
- Part E Contact us

Part A Scheme details
A1 Name and address of your authority
Name: Wyre Council
Address: Wyre Civic Centre, Breck Road, Poulton le Fylde, FY6 7PU

A2 National project number (medium-term plan reference number)
URN1424/Recovery

A3 Name of the scheme and its location
Name: Fleetwood and Cleveleys Beach Management Recovery Works
Location: Coastal Frontage Cleveleys to Fleetwood, Lancashire

A4 Is this a private scheme to be carried out on a main river not maintained by an Internal Drainage Board or local authority?
Yes ☐ No ☑

Coastal Protection scheme undertaken under Coastal Protection Authority and funded through Winter Storms Recovery grant.

A5 If you’ve answered no in question A4, how is the project being funded?

<table>
<thead>
<tr>
<th>Type</th>
<th>Amount (£ thousands)</th>
<th>Percentage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood Defence Grant in Aid (FCERM GiA)</td>
<td>300</td>
<td>100</td>
</tr>
<tr>
<td>Local levy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Own revenue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>External contribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total contribution</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Part A Scheme details, continued
If external contribution, please give details.

Internal Drainage Boards only
If funded by a loan:
Over what period do you need the loan?

Have you enclosed a formal application for a loan approval from Defra?
Yes ☐ No ☐

A6 Estimated project costs (taken from your PAR) and grant applied for (not including maintenance)

<table>
<thead>
<tr>
<th></th>
<th>Project costs (£ thousands)</th>
<th>Grant applied for (include local levy) (£ thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Preliminary investigations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(b) Instrumentation and machinery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(c) Construction work</td>
<td>285</td>
<td>285</td>
</tr>
<tr>
<td>(d) Land purchase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(e) Compensation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(f) Staff salaries and costs</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>(g) Professionals’ and consultants’ fees</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>(h) Other costs</td>
<td>(please specify)</td>
<td>(please specify)</td>
</tr>
<tr>
<td>(i) Contingencies</td>
<td>(please specify)</td>
<td>15</td>
</tr>
<tr>
<td>(j) Total estimated costs</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>(k) Total grant applied for</td>
<td></td>
<td>300</td>
</tr>
</tbody>
</table>

Note: the total grant applied for (box k) should be equal to the amount of the FCERM GiA plus the local levy contribution in table A5.

(Contingency funds are noted for management purposes – see section 12 of the grant memorandum.)

A7 Other information, such as the latest partnership funding score percentage (this is often more than 100%)

The partnership funding score is 698%

A8 Who will the work be done by?
Direct labour ☐
Contract ☐
Both ☒

Please give details of who is doing the work.

The majority of the work is being undertaken by William Pye Ltd who has competitively tendered for the timber groyne board and beach recycling works.

There is an allowance for minimal in-house assistance and works by the Council’s partnering contractor Balfour Beatty.
Part C The Data Protection Act 1998
We, the Environment Agency, will process the information you provide so that we can deal with your application, make sure you keep to the conditions of the licence, permit or registration, and process renewals.
We may also process or release the information to:

- offer you documents or services relating to environmental matters;
- consult the public, public organisations and other organisations (for example, the Health and Safety Executive, local authorities, the emergency services, the Department for Environment, Food and Rural Affairs) on environmental issues;
- carry out research and development work on environmental issues;
- provide information from the public register to anyone who asks;
- prevent anyone from breaking environmental law, investigate cases where environmental law may have been broken, and take any action that is needed;
- assess whether customers are satisfied with our service, and to improve our service; and
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows).

We may pass the information on to our agents or representatives to do these things for us.

Part D Declaration

D1 I have met the responsibilities set out in the following regulations.
SI 1999 number 1783 Land Drainage Environmental Impact Assessment (Land Drainage Improvement Works) Regulations 1999, as amended to date.

D2 I confirm the following:
This application is for the scheme set out in the project appraisal report (PAR) dated (DD/MM/YYYY)
10 December 2014
This application is made to the Environment Agency for grant funding under the Flood Management Act 2010.
I accept the conditions set out in the grant memorandum.
I also accept that the Environment Agency do not accept legal liability or agree to take on any of the risk management authority’s obligations.
I have attached all necessary supporting documents to this form and we meet the conditions of the grant memorandum.
Our board or cabinet have agreed the work will start on date (DD/MM/YYYY)
26 August 2014
As far as I know, the details that I have given on this form are true and complete.

Part E Contact us
If you need help filling in this form, please contact the person who sent you it or contact us as shown below.

Grant Administration Team
Environment Agency
Manley House
Kestrel Way
Exeter
EX2 7LQ
Telephone: 01392 352300
Email: laidbfinance@environment-agency.gov.uk
Website: www.environment-agency.gov.uk

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.
For Environment Agency use only

Note for AFCRM: Please send this FCERM2, together with the PAR, to the grant administration team for approval, if there is not an FCERM2 already included in the PAR.

This scheme, with a total estimated cost of

£ \hspace{1cm} \text{[Box (j), Section A6]} \hspace{1cm}

is approved on behalf of the Environment Agency for grant funding of

£ \hspace{1cm} \text{[Box (k), Section A6]}

Name of Area Flood and Coastal Risk Manager

Name of chair of Project Approval Board or Large Project Review Group

Job title

Signature

Date (DD/MM/YYYY)

Name of chair of Project Approval Board or Large Project Review Group

Signature

Date (DD/MM/YYYY)
Project appraisal report

Project report information sheet

A.1 General details
Authority project reference number (as in medium-term plan)
URN1424/Recovery/8272

Project name (60 characters maximum)
Fleetwood and Cleveleys Beach Management Recovery Works

Name of authority
Wyre Council

Defra reference (if known)

Name
Title (Mr, Mrs, Miss and so on) Mr
First name Carl
Last name Green

Is the project to carry out emergency work?
Yes ☐ No ☒

Strategy plan reference
Wyre Coastal Defence Strategy 2013

River basin management plan

System asset management plan

Shoreline management plan
Cell 11 Great Ormes Head to Solway Firth

Project type (list below)
Recovery: Sustain standard of service coast protection

Shoreline management study/ preliminary study/ strategy plan/preliminary work to strategy/ project within strategy/stand-alone project/

Strategy implementation/sustain standard of service/coast protection/sea defence/tidal flood defence/non-tidal flood defence/flood warning

Tidal/flood warning – fluvial/special

A.2 Contract details
Estimated start date of work or study (DD/MM/YYYY)
26/08/2014

Estimated time work or study will take to complete (in months)
4

Contract type
NEC Option C

A.3 Costs
Application (£ thousands)
PAR preparation
£ 0
Capital grant for Environment Agency approval
£ 300
Total whole-life costs (cash)
£ 475

For breakdown of costs, see the table in section 5.4

A.4 Contributions
Own resources
£ 0

Windfall contributions
£ 0

Deductible contributions
£ 0

Loans
£ 0

European regional development fund ERDF grant
£ 0

Other items not included
£ 0

A.5 Location (to be completed for all projects)

EA region or area of project site (all projects)
North West

Name of watercourse (fluvial projects only)

District council area of project (all projects)
Wyre Council

Grid reference (all projects)
(Ordnance Survey grid reference of typical midpoint of project in form ST064055)
33419E 44808N to 33147E 44314N
A.6 Description
Specific town or district to benefit from the project
Cleveleys & Fleetwood
Brief description of project, including essential elements of the project or study (240 characters maximum)
Recovery works to re-establish groyne field and beaches along Wyre coast.

A.7 Details
Design standard (chance per year)
75 _________ years
Existing standard of protection (chance per year)
<20 _________ years
Design life of project
25 _________ years
Fluvial design flow (fluvial projects only)
__________ M³/s
Tidal design level (coastal and tidal projects only)
__________ m
Length of river bank or shoreline improved
__________ m
Number of groynes (coastal projects only)
27
Total length of groynes (coastal projects only)
6350 _________ m

Note: this should be the total length of all groynes added together (ignore any river training groynes)

Is it a beach-management project?
Yes ☑
No ☐
Is it a water-level management project?
Yes ☐
No ☑
Defence type (for example, embankment, walls, storage)

A.8 Further agreements
Maintenance agreements
Does not apply ☐
Received ☑
Awaited ☐

A.8 Further agreements, continued
EA region permission
Does not apply ☐
Received ☑
Awaited ☐
Non-statutory objectors
Yes ☐
No ☑ (For coastal schemes, fill in form CPA1 and CPA2.)
Date objections cleared (DD/MM/YYYY)

Other

Date received (DD/MM/YYYY)
19/06/2014

A.9 Environmental considerations
Natural England (or equivalent) letter
MMO correspondence, site meeting NE, Port Authority
Does not apply ☐
Received ☑
Awaited ☐
Date received (DD/MM/YYYY)

A.10 Sites of international importance
(Answer ‘Yes’ if the project is within, next to or could affect the designated site.)
Special protection area (SPA)
Yes ☑
No ☐
Special area of conservation (SAC)
Yes ☑
No ☐
Ramsar site
Yes ☑
No ☐
World Heritage Site
Yes ☐
No ☑
Other (for example, biosphere reserve)
Yes ☐
No ☑
### A.11 Sites of national importance

(Answer ‘Yes’ if the project is within, next to or could affect the designated site.)

<table>
<thead>
<tr>
<th>Environmentally sensitive area (ESA)</th>
<th>Yes</th>
<th>No</th>
<th>☒</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site of special scientific interest (SSSI)</td>
<td>Yes</td>
<td>No</td>
<td>☒</td>
</tr>
<tr>
<td>National or regional landscape designation</td>
<td>Yes</td>
<td>No</td>
<td>☒</td>
</tr>
<tr>
<td>National Park or the Broads</td>
<td>Yes</td>
<td>No</td>
<td>☒</td>
</tr>
<tr>
<td>National nature reserve</td>
<td>Yes</td>
<td>No</td>
<td>☒</td>
</tr>
<tr>
<td>Areas of Outstanding Natural Beauty (AONB), Restoring Sustainable Abstraction (RSA), Regional Screening Coordinator (RSC)</td>
<td>Yes</td>
<td>No</td>
<td>☒</td>
</tr>
<tr>
<td>Scheduled ancient monument</td>
<td>Yes</td>
<td>No</td>
<td>☒</td>
</tr>
<tr>
<td>Other designated heritage sites</td>
<td>Yes</td>
<td>No</td>
<td>☒</td>
</tr>
</tbody>
</table>

### A.12 Other environmental considerations, continued

Is statutory planning approval needed?

| Yes | No | Does not apply | ☒ |

### A.13 Compatibility with other plans

Shoreline management plan

| Yes | No | Does not apply | ☒ |

River basin management plan

| Yes | No | Does not apply | ☒ |

Catchment flood management plan

| Yes | No | Does not apply | ☒ |

Water level management plan

| Yes | No | Does not apply | ☒ |

### A.14 SEA or environmental impact assessment

Strategic environmental assessment (SEA)

| Statutory required | ☒ |

Voluntary

| ☒ |

Does not apply

| ☒ |

Environmental impact assessment (EIA)

| Yes (Schedule 1) | ☒ |

Yes (Schedule 2) | ☒ |

Does not apply

| ☒ |

SEA or EIA status

Scoping report prepared

| ☒ |

Draft

| ☒ |

Draft advertised

| ☒ |

Final

<p>| ☒ |</p>
<table>
<thead>
<tr>
<th>A.14 Sea or environmental impact assessment, continued</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other agreements</td>
</tr>
<tr>
<td>Detail</td>
</tr>
</tbody>
</table>

Result
- Does not apply
- Received  ✗
- Awaited

<table>
<thead>
<tr>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harbour Master Consent 12/11/2014</td>
</tr>
</tbody>
</table>

Result
- Does not apply
- Received
- Awaited

<table>
<thead>
<tr>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Result
- Does not apply
- Received
- Awaited

<table>
<thead>
<tr>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Result
- Does not apply
- Received
- Awaited
A.15 Local authorities only

For projects done under the Coast Protection Act 1949, please separately identify:

FRM = Benefits from reduction of asset flooding risk,
CERM = Benefits from reduction of asset erosion risk.

A.16 Benefit type

(DEF: reduces risk (contributes to Defra SDA 27); CM: capital maintenance; FW: improves flood warning; ST: study; OTH: other projects)

| CM (Recovery) |

A.17 Land area

Total area of land to benefit

| Ha |

Present use of land

| Agricultural |
|______________| Ha |
| FRM |
| CERM |

| Developed |
|____________| Ha |
| FRM |
| CERM |

| Environmental or amenity |
|________________________| Ha |
| FRM |
| CERM |

| Scheduled for development |
|________________________| Ha |
| FRM |
| CERM |

A.18 Property and infrastructure protected, continued

Critical infrastructure

Number of properties

| FRM | CERM |

Value (£ thousands)

| FRM | CERM |

Key civic sites

Number of properties

| FRM | CERM |

Value (£ thousands)

| FRM | CERM |

Other (description below)

Number of properties

| FRM | CERM |

Value (£ thousands)

| FRM | CERM |

Description

A.19 Costs and benefits

Note

Present value of total project whole-life costs (£ thousands) (include all costs, including those not eligible for a grant)

£ 352

Will the project meet the statutory requirement?

Yes ☑ No ☐

Present value of residential benefits (£ thousands)

| FRM | CERM |

Present value of commercial and industrial benefits (£ thousands)

| FRM | CERM |
A.19 Costs and benefits, continued

Present value of public infrastructure benefits (£ thousands)

FRM 

CERM 

Present value of agricultural benefits (£ thousands)

FRM 

CERM 

Present value of environmental and amenity benefits (£ thousands)

FRM 

CERM 

Present value of total benefits (FRM and CERM) (£ thousands)

FRM 13,500

CERM 

Net present value (£ thousands)

FRM 13,148

CERM 

Benefit:cost ratio (£ thousands)

FRM 38:1

CERM 

Base date for estimate (DD/MM/YYYY)

FRM 01/01/2014