

**REPORT TO: ECONOMIC DEVELOPMENT & INFRASTRUCTURE SERVICES
COMMITTEE ON 20 APRIL 2010**

SUBJECT: REVENUE BUDGET 2010/2011 : COASTAL PROTECTION

BY: DIRECTOR OF ENVIRONMENTAL SERVICES

1.0 REASON FOR REPORT

1.1 This report asks the Committee to:

- (i) Approve the **Revenue Budget for 2010/11 (Coastal Prevention)** and authorise expenditure;
- (ii) Note that the balance is allocated to Flood Alleviation; and,
- (iii) Approve the Project Plan for Flood Risk Management (Coastal Protection Revenue Works).

1.2 This report is submitted to Committee in terms of the Council's Administrative Scheme relating to the maintenance of piers and harbours and coast protection.

2.0 RECOMMENDATION

2.1 **The Committee is asked to:**

- (i) Approve the Revenue Budget 2010/2011 (Coastal Protection) and authorise expenditure;**
- (ii) Note that the balance is allocated to Flood Alleviation; and,**
- (iii) Approve the Project Plan for Flood Risk Management (Coastal Protection Revenue Works).**

3.0 BACKGROUND

3.1 Moray Council as the Coast Protection Authority has power to undertake coast protection works and to maintain existing sea defences under the Coast Protection Act 1949. The Local Authority also has the power to carry out measures for the prevention or mitigation of flooding of non-agricultural land under the Flood Prevention (Scotland) Act 1961. This power will be superseded by the Flood Risk Management (Scotland) Act 2009 later this year when Part 4 of the Act is implemented.

3.2 The Council may assess the risk of damage and flooding to coastal communities from the sea and may maintain existing or construct new sea defences where necessary. The existing defences consist of a variety of natural defences in the form of sand beaches and dunes, shingle beaches, rock cliffs and built defences in the form of rock armour revetments, concrete revetments and concrete sea walls.

3.3 Reference is made to the Revenue Budget 2010/2011 approved by the Special Meeting of Moray Council on 11 February 2010 (para 4 (ii) of the Minute refers).

4.0 PROGRESS OF COASTAL PROTECTION REVENUE WORKS DURING 2009/10

4.1 Progress of progress of coastal protection revenue works during 2009/10 was as follows:

4.2 **Buckie** – Rook Craig, repairs to rock armour profile.
Work complete and paid.

4.3 **Findhorn** – Revetment repairs and pressure pointing.
Work completed in one area, however this will be an ongoing maintenance item in future years.

4.4 **Lossiemouth** – Survey of beach erosion.
Work postponed .

4.5 **Portgordon** – Removal of seaweed.
This is an ongoing maintenance task based on assessments. Work not carried out as not required.

4.6 **Portgordon** – Shingle build up at flap valve.
This is an ongoing maintenance task based on assessments. Works not required as flap valve did not become blocked.

4.7 Reserve List

There is a reserve list of ad-hoc maintenance works carried that will be carried out based on priority. Additional schemes are added to this list when a problem is identified.

5.0 The Proposals

5.1 It is proposed that the Flood Risk Management (Coastal Protection Revenue Works) be carried out as described in the Project Plan in **Appendix 1**.

5.2 Priority has been given to the works based on engineering judgement and need.

5.3 Members are asked to note that it may be necessary to make changes to the proposed programme during the course of the financial year. Any proposed changes to the programme will be reported to the Committee in a Quarterly Progress Report, with an explanation for why the change is necessary and a recommendation for a change to the programme.

6.0 SUMMARY OF IMPLICATIONS

(a) Single Outcome Agreement/Service Improvement Plan

- (i) Promoting flood alleviation schemes is Local Priority 7 in the Single Outcome Agreement. This is relevant to National Outcome 12 – “We value and enjoy our built and natural environment and protect it and enhance it for future generations”.**
- (ii) The Corporate Development Plan 2004 – 2007 states that providing effective flood alleviation schemes is a priority, and the Community Plan reiterates this. The Departmental Service Improvement Plan sets out targets for the schemes.**

(b) Policy and Legal

The proposals form part of the Council’s statutory duty in regard to Best Value, value for money and probity.

(c) Resources (Financial, Risks, Staffing and Property)

Financial

The total funding available in the Revenue Coastal Protection and Flood Prevention budget for 2010/2011 is £302,000. The proposed expenditure has been restricted to £43,000 for coastal protection works thereby directing all other available monies towards flood prevention maintenance works.

The details of proposals for flood prevention maintenance works are contained in a separate report to this Committee.

Risks

There are no specific risks arising from this report. Risk allowances in the budget proposed have been based on the information available for developing a solution. This is generally of the order of around 60% where no design development has commenced to around 25% where work is ready to start.

Staffing

Existing staff will carry out all inspection work except where specialist qualifications are required, such as diving inspections.

Property

There are no specific property implications arising from this monitoring report.

(d) Consultations

Lorraine Paisey, Principal Accountant, has been consulted and is in agreement with the financial implications arising within this report.

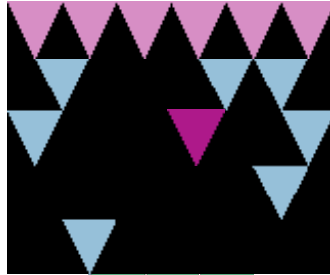
7.0 CONCLUSION

7.1 The programme of Coastal Protection Revenue Works is required to meet the Council's commitments in the Moray Community Plan 2006 - 2010.

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Background Papers:

Ref: A.16.01.05



the **MORAY** council

FLOOD RISK MANAGEMENT

PROJECT PLAN (COASTAL PROTECTION REVENUE WORKS 2010/11)

FLOOD RISK MANAGEMENT**SCHEDULE OF CLEARANCE AND REPAIR WORKS FUNDED FROM
COASTAL PROTECTION REVENUE BUDGET EXPENDITURE 2010/11**

	General Maintenance Works	£5,000
Findhorn	Revetment repairs and pressure pointing	£8,000
Lossiemouth	Survey of beach erosion	£2,000
Portgordon	Removal of seaweed	£10,000
Portgordon	Removal of shingle build up at flap valve	£3,000
Buckie	Repairs to Buckpool Harbour	£5,000
Kingston	Monitoring shingle bank - Aerial Surveys and Photography	£10,000
	TOTALS	£43,000.00

FLOOD RISK MANAGEMENT**SCHEDULE OF CLEARANCE AND REPAIR WORKS FOR COASTAL PRTECTION
RESERVE LIST**

Findhorn	Revetment repairs and pressure pointing	£8,000
Kingston	Allowance against possible emergency works	£30,000
Portgordon	Revetment pointing / repairs	£20,000
Buckie	Gollachie Burn Cottage, rock armour protection	£5,500
Findochty East Beach	Concrete repairs to sea wall	£4,100
Findochty East Beach	Regrade beach in front of wave wall	£2,500
Cullen	Concrete repairs to sea wall	£2,000
	TOTALS	£72,100.00

Service Requests:

A Service Request Report as shown below is completed every time a member of the Flood Risk Management Team is requested to visit a site. This should help the assessor plan how the work should be programmed, i.e. put on the waiting list etc. If urgent remedial works are required then a direct work order should be raised.

Service Requests Report

SR No:

Assessed By:

Checked By:

Date:

Time:

Weather:

Location:

Watercourse:

Risk Assessment:

		Consequences (C)			
		1	2	3	4
Probability (P)		Negligible	Minor	Significant	Major
A	Improbable	X	KIV	KIV	1
B	Remote	X	KIV	1	2
C	Possible	KIV	1	2	3
D	Probable	KIV	2	3	3

Consequences (C) x Probability (P) = Risk

		Cost			
		1	2	3	4
RISK (R)		Negligible	Minor	Significant	Major
			>£1,000	>£5,000	>£20,000
1	Low	RL	RL	RL	CW
2	Medium	CY	NFY	RL	CW
3	High	CY	CY	NFY	CW

Risk (R) x Cost = Action

KIV – Keep in View

RL – Reserve List

CY – Current Year

NFY – Next Financial year

CW – Capital Works

Action from Risk Assessment:

Further Comments: