

**Minutes of the Engineering Committee  
of the Lower Severn (2005) Internal Drainage Board  
Meeting held Wednesday 24<sup>th</sup> October 2019 at 10.30 am  
at The Gables Hotel Falfield**

Present:

Mr Barnes

Chairman

Mr W J Cornock

Miss R Hewlett

Mr Hyslop

Mr G Littleton – Deputising for Cllr J Jones

Mr G Simms

Staff:

Martin Dear

Accounts Officer

AO

James Druett

Land Drainage Engineer

LDE

James Thomas

Civil Engineer

CE

Kieran Warren

Principal Officer

PO

Andrew Terrett

Foreman

Louise Reading

Minutes

<b>2933</b>	<p><b>Apologies</b> Apologies were received from Patrick Goodey, Rodger Godwin, Ian Ractliffe &amp; Cllr J Jones.</p>	
<b>2934</b>	<p><b>Declarations of Interest</b> No interests were declared.</p>	
<b>2935</b>	<p><b>Minutes of Previous Engineering Committee Meeting</b> Miss Hewlett informed the Board that the initials NFU were no longer used by the Gloucestershire Severn Estuary Stake Holders and thus should be removed from minute number 2779.</p> <p><b>It was resolved that:</b></p> <ul style="list-style-type: none"> <li>• <b>Subject to the above alteration the minutes of the meeting held on 21<sup>st</sup> November 2018 are approved.</b></li> </ul>	
<b>2936</b>	<p><b>Update of the Capital Programme</b> The PO advised the Board that the first part of the report was a summary of how the programme had evolved and Appendix A was now historical as it related to the picture in February this year.</p> <p>Officers were aware that the forecasted figures were unreliable and out of date and reminded Members of the importance of revisiting and updating these figures more frequently based on experiences of completed schemes, material costs and possible additional works such as refurbishing or replacing current structures. Having done this the global cost of the Programme had increased from £2.3m to £3.5m.</p> <p>Some schemes had dropped out of the Programme as they hadn't been fully costed and remained aspirational. These works will undergo assessment, prioritisation and financial approval in the future alongside other works.</p> <p>The Capital Programme focused on the Pump station replacement programme and machinery replacement over the next few years.</p> <p>Mr Simms asked whether clarity should be sought for the responsibility for the management of the Capital Programme and the PO confirmed that Capital Programme projects were to be decided and agreed by the Engineering Committee. They would then go to the Finance &amp; General Purposes Committee to agree how these schemes would be financed and then to the Board for approval.</p>	

	<p>Mis Hewlett suggested that the meeting schedule should reflect this.</p> <p>The CE recommended the Terms of Reference be amended to provide clarity as to the respective responsibilities of each Committee.</p> <p>In response to Mr Hyslop question about building new pump stations alongside the existing one and then decommissioning, the Engineers indicated that all aspects of design were taken into consideration when replacing or refurbishing the pumps.</p> <p>Members heard that the Programme as revised and attached at Appendix B was complete as of today's date taken together with the vehicle and plant replacement programme. It had been extended by 2 years to avoid a steep rise in drainage rates. If approved at the next Board meeting, the LDE will write to the EA to request an extension. On the morning of the Board meeting a Finance and General Purposes meeting will be held to decide how to best fund the revised programme and the Engineering Committee will recommend that £200,000 from the unallocated reserves be transferred to the pump replacement reserve.</p> <p><b>It was resolved that:</b></p> <ul style="list-style-type: none"> <li>• <b>The Capital Programme as set out in Appendix B, be approved: and</b></li> <li>• <b>The means by which the new proposals will be assessed and added to the Capital Programme be approved.</b></li> <li>• <b>Subject to the meeting of Finance and General Purposes on 6<sup>th</sup> November 2019, requests the Board move £200k from the unallocated reserves to the pump replacement programme.</b></li> <li>• <b>The LDE to write to the EA to request an extension from the 2025/2026 deadline for a further 2 years</b></li> <li>• <b>The Terms of Reference be amended and submitted to the Board for approval.</b></li> </ul>	
2937	<p><b>Machinery Replacement Programme</b></p> <p><u>Energreen 1500 AU11 HCH</u></p> <p>The LDE reminded the Committee that the replacement of this machine had been deferred from 2018/19 for one year, owing to low hours. The LDE recommended that a replacement should now be agreed as the machine was starting to show signs of increase maintenance and repair. He also did not want to replace this machine any later as it would clash with other replacements and create a financial spike in the programme.</p> <p>The quote for the new Energreen was £212,000 with a part exchange available of £25,000 costing £187,000 + VAT</p> <p>In response to Mr Hyslop's concerns that the part exchange value was low the LDE and Mr Barnes reiterated that the machine was a specialist item and that made it difficult to sale second hand.</p> <p><b>It was resolved that:</b></p> <ul style="list-style-type: none"> <li>• <b>A new Spearhead SPV2 be purchased on 2020/21, part exchanging with AU11 HCH.</b></li> </ul>	
	The meeting closed at 11.20	

**Capital Programme**  
**Assessment Criteria**

In order to ensure consistency and fair consideration for all potential projects, it will be helpful to identify and agree the criteria by which these projects will be judged prior to their inclusion in the programme. The following criteria are proposed:

1. The number of residential, agricultural and commercial properties that will enjoy greater flood protection benefits.
2. The area of farmland that will enjoy greater flood protection benefits.
3. The status of the land, ie where it is designated as a RAMSAR, SPA or SSSI site, the site of a Scheduled Ancient Monument or supports the implementation of the Board's Biodiversity Action Plan.
4. The extent (if any) to which the project assists the Board in the discharge of its statutory responsibilities.
5. The ongoing maintenance costs of the project (if any) post-completion.
6. The extent to which the Board's general maintenance programme might reduce as a result of the proposed works.
7. Confirmation of the Board's ability to finance the project in the proposed timescale.
8. The availability of external funding to support the financing of the works.
9. Where it can be measured, the Return on Investment for the project.

These principles should also govern the priority attached to each project. Should the Board need to respond urgently to a flooding event, then funds may have to be diverted from the Capital Programme. In such a case slippage might be unavoidable.

**LSIDB PROJECTS 2019/20 - 2025/26**

<b>Project</b>	<b>Benefits</b>	<b>Net Cost Estimate</b> <b>£K</b>	<b>Maintenance Implications</b> <b>+ Or -</b>	<b>Timescale</b>	<b>Return on Investment</b>	<b>Comments</b> <b>description of scheme</b> <b>criteria met</b>
<b>Plant + Vehicles</b> Tractor/mower	Health & Safety and Efficiency	140*		2021/22		Offset by sale of old machine
Excavator	Health & Safety and Efficiency	90* 130* 110*		2019/20 2021/22 2023/24		Offset by sale of old machine
Vehicles	Health & Safety and Efficiency	25* 25*		2023/24 2024/25		Offset by sale of old machine
Spearhead m/cs	Health & Safety and Efficiency	170* 360* 260*		2020/21 2022/23 2024/25		Offset by sale of old machine

<b>Pumping Stations</b> Renewals	Statutory, Environmental and Efficiency	200*		2019/20		
		225*		2020/21		
		250*		2021/22		
		275*		2022/23		
<b>Drainage Schemes</b>						
Hill Pill outfall		75				Survey work approved
Aust/Olveston		500		?		
Demainment works		30		2019/20		
Cornham		500		?		
Rea Lane pumps		250		?		
Epney				?		
Rockhampton				?		
Renew office and workshop		400		?		

\* Sum already budgeted.

REVISED

APPENDIX B

Cash Flow Forecast for the Pump Replacement Programme  
Annual Increment of £25,000 from 2018/19 to 2025/26

	£	£	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	Total
	Original Budget (June 2015)	Revised Budget	£	£	£	£	£	£	£	£	£	£	£	£	£
			actual	actual	actual	forecast	forecast	forecast	forecast	forecast	forecast	forecast	forecast	forecast	forecast
<b>Income</b>															
Provision from Income and Expenditure A/c	2,400,000	3,175,000	150,000	150,000	175,000	200,000	225,000	250,000	275,000	300,000	325,000	350,000	375,000	400,000	3,175,000
Provision from Unallocated Reserves		320,000				200,000							120,000		320,000
<b>Income Total</b>	<b>2,400,000</b>	<b>3,495,000</b>	<b>150,000</b>	<b>150,000</b>	<b>175,000</b>	<b>400,000</b>	<b>225,000</b>	<b>250,000</b>	<b>275,000</b>	<b>300,000</b>	<b>325,000</b>	<b>350,000</b>	<b>495,000</b>	<b>400,000</b>	<b>3,495,000</b>
<b>Expenditure</b>															
<b>Pump Station</b>	<b>No. of Pumps</b>														
<b>Oldbury</b>	3		513,300	867,358		6,779							553,110	307,469	867,358
<b>Marshfield</b>	2		385,860	577,247		6,776			406,562	163,909					577,247
<b>Lapperditch</b>	2		352,820	514,500		8,177	351,823	154,500							514,500
<b>Wicks Green</b>	2		553,420	851,854		5,728					556,307	289,819			851,854
<b>Elmore Back</b>	2		327,391	500,000	2,891		13,540	283,569	200,000						500,000
<b>Saul</b>	1		169,457	180,000	6,887	24,387	55,329	91,755	1,642						180,000
<b>Expenditure Total</b>			<b>2,302,248</b>	<b>3,490,959</b>	<b>9,778</b>	<b>24,387</b>	<b>68,869</b>	<b>402,784</b>	<b>553,465</b>	<b>154,500</b>	<b>406,562</b>	<b>163,909</b>	<b>556,307</b>	<b>289,819</b>	<b>3,490,959</b>
<b>Net Movement in the year</b>						140,222	125,613	106,131	-2,784	-328,465	95,500	-131,562	136,091	-231,307	60,181
<b>Reserve</b>															
Balance b/f							140,222	265,835	371,966	369,182	40,717	136,217	4,655	140,746	-90,561
In year movement						140,222	125,613	106,131	-2,784	-328,465	95,500	-131,562	136,091	-231,307	60,181
Balance c/f						140,222	265,835	371,966	369,182	40,717	136,217	4,655	140,746	-90,561	-30,380

Notes:

- 1 Assumes inflation of 3% per annum.
- 2 Extends the period of income required from the Income and Expenditure Account.
- 3 Assumes two transfers of funds from Unallocated Reserves.
- 4 Moves the start date of Oldbury pump replacement from 2025/26 to 2026/27.