

## **ICT Infrastructure Replacement Programme**

### **1. Contacts**

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### **2. Recommendation**

- 2.1. That Cabinet recommends that Council approves the drawdown of Asset Replacement Funding (ARF) funding (£375,500) allocated for the replacement of ICT Infrastructure (SAN, Oracle).**

### **3. Background**

- 3.1. Over the next 12 months elements of the East Pallant House IT infrastructure will reach 'end of life' status. End of life is a defined date after which manufacturers gradually withdraw maintenance and other product support services. Failure to take action will result in reducing confidence in our ability to run mission-critical systems.
- 3.2. The Council's Asset Replacement Programme contains provision for the replacement of IT infrastructure.
- 3.3. Replacement of the end of life infrastructure, though associated with the proposals contained within the (accompanying) 'Business Continuity Infrastructure' paper, is an independent project. It is necessary regardless of whether the Business Continuity project proceeds.
- 3.4. The Business Continuity project, however, cannot proceed without the replacement of East Pallant House infrastructure.

### **4. Outcomes to be Achieved**

- 4.1. When coupled with effective replacement plans, product 'end of life' cycles offer natural 'breaks' when re-evaluation of IT equipment can be undertaken.

- 4.2. Outcomes to be achieved include risk reduction and improve efficiencies. Specifically in the areas of improved data security, increased productivity, scalability and efficiencies:
- 4.2.1. Data Security: When a product enters end of life status continual support for security fixes and patches begins to reduce. Eventually leading to increased security risks.
  - 4.2.2. Productivity: Older equipment (out of warranty and support) is inherently harder to maintain (parts failures and availability difficulties). Though newer equipment is not immune to failure it will benefit from warranties and the latest technological developments.
  - 4.2.3. Scalability: Older equipment is limited in its ability to adapt to or take advantage of new capabilities, such as the introduction of a new West Sussex County Wide Area Network (Gigabit).

## 5. Proposal

- 5.1. To permit the drawdown of existing Asset Replacement Programme funds (as per the draft ARP Budget 2019/20) in order to replace 'end of life' infrastructure, as per the below table.

1	<b>San</b>	63,000	<i>Storage area network: essential in delivering high activity/low latency business critical applications.</i>
	<i>Back up switch</i>	5,000	<i>Component linking SAN with server infrastructure</i>
2	<b>San Connectors</b>	40,000	<i>Linking SAN to our network (local area network)</i>
3	<b>Hosts (x6)</b>	71,000	<i>Used to provide the routing between the SAN and servers</i>
4	<b>Oracle Solaris (server)</b>	45,000	<i>Operating system supporting some of our major applications</i>
5	<b>Network Connections</b>	60,000	<i>New SAN and Oracle connections across our network</i>
A	<b>VPN</b>	35,000	<i>Upgrades to our virtual private network due to end of life components</i>
B	<b>Licences</b>	31,500	<i>Enhanced licences necessary to run software across our new network</i>
D	<b>Consultancy</b>	25,000	<i>Assistance configuring our new servers and making them 'gigabit' capable.</i>
		<u>375,500</u>	

## 6. Alternatives Considered

- 6.1. Delayed replacement of the end-of-life infrastructure will result in increasing likelihood of the risks highlighted in Section 4.1 arising.

## 7. Resources and Legal Implications

- 7.1. Current service resources have been assessed as being sufficient to deliver the project outcomes.

## 8. Consultation

- 8.1. None.

## 9. Community Impact and Corporate Risks

- 9.1. Delayed replacement of end of life equipment would increase risks highlighted under Section 4.1. Manifestation of these risks would result in damage and loss of services across our communities.

## 10. Other Implications

Are there any implications for the following?		
	Yes	No
<b>Crime and Disorder</b>		<b>X</b>
<b>Climate Change and Biodiversity</b>		<b>X</b>
<b>Human Rights and Equality Impact</b>		<b>X</b>
<b>Safeguarding and Early Help</b>		<b>X</b>
<b>General Data Protection Regulations (GDPR) – improved protection for personal data.</b>	<b>X</b>	
<b>Health and Wellbeing</b>		<b>X</b>
<b>Other</b>		<b>X</b>

## 11. Appendices

None.

## 12. Background Papers

12.1. None.