

**ASSET MANAGEMENT SUB-COMMITTEE:  
INFORMATION TECHNOLOGY CAPITAL REPLACEMENT PROGRAMME 2018/2019**

<b>Project Name</b>	<b>Activity</b>	<b>Reason</b>	<b>SubTotal</b>	<b>Total</b>
<b>Desktop Replacement</b>	Replace End User Desktop Infrastructure (Corporate & Schools)	Annual programme to ensure desktop/laptop end-user equipment is up to date in Councils and Schools.	£72,000	<b>£72,000</b>
<b>Datacentre Replacements</b>	Replacement of Blade and Storage Infrastructure	To remove an IT System from Blade and Storage Infrastructure that is no longer supported.	£10,000	<b>£172,000</b>
	Replacement of the Virtualisation Servers	Our main datacentre hosting servers are reaching end of support lifetime and lack some capabilities essential for effective continuous delivery of service.	£40,000	
	Replacement of Data Storage and SAN	Replacement of Data Storage Devices	£80,000	
	Failures and Emergency Replacements	Allocation to replace failures not able to be repaired and any systems that fail future audit requirements	£42,000	
<b>Server Replacements</b>	Replacement of Servers and Systems running Windows 2008R2 and Windows 2012/2012R2	A large number of systems in our environment run on servers which have been built with the Windows 2008 and Windows 2012 operating system that reaches end of support lifetime in 2020. This is to fund their replacement.	£30,000	<b>£30,000</b>
<b>Local Area Network Replacements</b>	Replacement of Cisco Access & Distribution Switches	A large number of the Council's network switches do not meet the essential security criteria identified by our independent cybersecurity audits for PSN and require replacement with more secure technology.	£40,000	<b>£40,000</b>
<b>Wide Area Network Replacements</b>	Replacement of Firewalls	Replacement of the older firewalls with the objective of improving resilience and failover in our internet and cloud connections.	£50,000	<b>£82,000</b>
	Replacement of External Edge Switches	Replacement of older switches at external edge of network to improve Cybersecurity	£8,000	
	Replacement of Wide Area Links	Replacements and Upgrades of Radio Connections on Masts, and Fibre Optic Links that Connect the Council Sites. This will cover improvements across Orkney's Isles, Mainland and Towns.	£24,000	
<b>Telecoms Replacements</b>	Replacement of Phone Systems	Replacement of Telephone Systems that are outdated ahead of BT's planned withdrawal of ISDN and PSTN.	£24,000	<b>£24,000</b>
<b>Total</b>				<b>£420,000</b>

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<b>Project Name</b>	<b>Activity</b>	<b>Reason</b>	<b>SubTotal</b>	<b>Total</b>
<b>Desktop Replacements</b>	Replace End User Desktop Infrastructure (Corporate & Schools)	Annual programme to ensure desktop/laptop end-user equipment is up to date in Councils and Schools.	£72,000	<b>£72,000</b>
<b>Datacentre Replacements</b>	Replacement of Externally Facing "DMZ" Datacentre Infrastructure	Currently, public facing IT systems are hosted on hardware that lacks in resilience and failover. It is also reaching end of support lifetime. An infrastructure fault would impact important services.	£40,000	<b>£102,000</b>
	Failures and Emergency Replacements	Allocation to replace failures not covered by repaired, and any systems that fail future audit requirements	£42,000	
	Replacement of Data Storage and SAN	Replacement of Data Storage Devices	£20,000	
<b>Server Replacements</b>	Replacement of Servers and Systems running Windows 2008R2 and Windows 2012/2012R2	A large number of systems in our environment run on servers which have been built with the Windows 2008 and Windows 2012 operating system that reaches end of support lifetime in 2020. This is to fund their replacement.	£30,000	<b>£30,000</b>
<b>Local Area Network Replacements</b>	Replacement of Cisco Access & Distribution Switches	A large number of the Council's network switches do not meet the essential security criteria identified by our independent cybersecurity audits for PSN and require replacement with more secure technology.	£40,000	<b>£40,000</b>
<b>Wide Area Network Replacements</b>	Replacement of Cybersecurity Monitoring Proxy Systems	All Council Network Traffic is passed through filtering and monitoring technology that no longer meets the capacity demands and also lacks resilience, so a failure of equipment effectively ceases all operations.	£48,000	<b>£96,000</b>
	Replacement of Wide Area Links	Replacements and Upgrades of Radio Connections on Masts, and Fibre Optic Links that Connect the Council Sites. This will cover improvements across Orkney's Isles, Mainland and Towns.	£48,000	
<b>Telecoms Replacements</b>	Replacement of Phone Systems	Replacement of Telephone Systems that are outdated ahead of BT's planned withdrawal of ISDN and PSTN.	£80,000	<b>£80,000</b>
<b>TOTAL</b>				<b>£420,000</b>