

Attachment 2 – ISMP Technical Infrastructure Projects Detail

ID	Project	Status	Completion Date
TI1	Implement scheduled PC replacement	In Progress	Aug 2017
	<p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Create a steady funding stream to reduce the need for large, unplanned investments • Maintain the currency of personal computer hardware and operating software, minimizing the use of obsolete equipment • Minimize the number of standard desktop images to be supported <p><u>Expected Benefits:</u></p> <ul style="list-style-type: none"> • Increased personal computer and application performance • New file encryption capabilities and enhanced file security • Greater ability to implement modern software on PC operating systems • Reduced labor costs for PC support • Reduced carbon footprint through energy efficient computers <p><u>Progress:</u> In FY17, the District will complete a four-year PC replacement cycle with planned 200 PC replacements. This step will bring this project to conclusion, but the replacement cycle will continue to maintain currency of staff computing environment. In FY17 and succeeding years.</p> <p><u>Next Steps:</u> None.</p>		

Attachment 2 – ISMP Technical Infrastructure Projects Detail

ID	Project	Status	Completion Date
TI2	Improve current disaster recovery plans to better link to the District's overall continuity of operations plan	In Progress	Jun 2020
<p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Develop, maintain, and regularly test a disaster recovery plan <p><u>Expected Benefits:</u></p> <ul style="list-style-type: none"> • Continuity of operations after a catastrophic event • Enhanced security of critical IT assets • Reduced business risk exposure <p><u>Progress:</u></p> <p>From the District's continuity of operations plan, a Business Impact Analysis (BIA) study was conducted with stakeholder interviews to create a complete inventory of software applications and critical IT infrastructure that the District uses, and develop Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO) for each application. The 2016 study identified 25 software applications and 5 critical infrastructures with a high or critical impact to essential business function. The software applications and infrastructure will be included in the IT Disaster Recovery planning.</p> <p><u>Next Steps:</u></p> <p>Implement IT solutions for recovering from a disaster that meet the RTO (See TI3), and secure a remote disaster recovery facility.</p>			

Attachment 2 – ISMP Technical Infrastructure Projects Detail

ID	Project	Status	Completion Date
TI3	Secure a remote disaster recovery facility	In Progress	Jun 2020
<p><u>Objectives:</u></p> <ul style="list-style-type: none">• Provide the District with a remote physical location for hosting disaster recovery assets• Support the recovery time objectives (RTOs) and recovery point objectives (RPOs) set forth in SCVWD's continuity of operations plan (COOP) <p><u>Expected Benefits:</u></p> <ul style="list-style-type: none">• Secure data and information• Ability to appropriately continue operations in the face of an event that disables the District's data center• Reduced business risk exposure <p><u>Progress:</u></p> <p>IT is working on a comprehensive action plan to identify and secure recovery facilities that will meet the needs of the District using internal expertise and resources. The action plan will provide application specific disaster recovery solutions that may vary depending of the type of applications. Factors such as recovery time objectives, and level of availability (high, medium and low) will determine the type of disaster recover solutions and facilities.</p> <p><u>Next Steps:</u></p> <p>Develop a comprehensive framework to prioritize all on premise software applications and critical infrastructure; and develop a detailed methodology to implement IT disaster recovery. IT is also in the process of developing a cloud first policy that will provide the framework and standards to acquire and implement new cloud based software solutions that include high availability and disaster recovery without the capital investment. When a remote disaster recovery solution is secured (per TI2), IT will develop, maintain, and regularly test the disaster recovery plan.</p>			

Attachment 2 – ISMP Technical Infrastructure Projects Detail

ID	Project	Status	Completion Date
TI4	Implement wireless for all major district locations	In Progress	Jun 2018
	<p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Enable secure employee access to network resources (e.g., files, printers) and applications from a wireless connection <p><u>Expected Benefits:</u></p> <ul style="list-style-type: none"> • Improved data access and edit capability • Enhanced meeting productivity via easier data and application access • Enhanced collaboration • Creation of a platform for adopting mobile devices (e.g., smart phones, tablet computers) • Faster data and Internet access for mobile devices <p><u>Progress:</u></p> <p>The District has wireless connectivity in the seven buildings on the main campus, one treatment plant, advanced purification center, and two pump plants. IT expects 100% implementation of wireless at the water treatment and pump plants by FY 2018.</p> <p><u>Next Steps:</u></p> <p>Complete wireless implementation at Rinconada Water Treatment Plant and Pacheco Pump Plant in 2017; and Penitencia Water Treatment Plant in 2018.</p>		