Information Technology Enterprise Architecture
Infrastructure, Hardware & Software Standards
(Revision 03/02/2017)

CITY OF ROSEVILLE CALIFORNIA

Goal: Technology Vision and Strategy Business Alignment
How to use an enterprise architecture framework & process to create a roadmap for achieving cost savings & maturity while aligning with a more standardized, streamlined and agile IT organization

Executive Summary	Infrastructure – Data Center		Security / Recovery		Applications / Integration		Desktop / Mobile – End Users	
	Component	**Standard / Version**	**Component**	**Standard / Version**	**Component**	**Standard / Version**	**Component**	**Standard / Version**
What is Enterprise Architecture: Enterprise Architecture identifies the business processes that execute or support an organization's mission and defines how Information Technology assets directly enable those processes. The purpose of Enterprise Architecture is to optimize and transform processes, information, application systems and technologies into an efficient and integrated environment supportive of the execution of business strategy. **Why** To help execute business strategy and realize strategic goals, Enterprise Architecture defines a desired target state view of an enterprise's processes, information, application systems and technologies and an enterprise roadmap to progressively implement this target state through a series of projects. **What is the Benefit:** • A defined roadmap to help implement business goals • Improved alignment of technology with business goals • Improved interoperability and collaboration on technology initiatives • Reduced costs • Reduced risk • Minimized software programming development	**Server**		**Backup, Deduplication & Recovery**		**Database**		**Desktop / Laptop Computer**	
	Hardware	Dell PowerEdge	Backup	CommVault	Software	Microsoft SQL Server	Hardware	Dell Optiplex & Precision Dell Lattitude Panasonic Toughbook Lenovo Tiny M900
	Operating System	Microsoft Windows Server	Deduplication	EMC Data Domain	**Geographic Information System-GIS**			
	Virtual Platform	VMware vSphere	**Cloud / Hosted Platform**		Software	ESRI ArcGIS Server ArcGIS Desktop	Operating System	Microsoft Windows
	Network		Compliance	Annual Penetration Testing, Quarterly Vulnerability Scans & PCI/NERC Compliance Testing			Browser	Microsoft Internet Explorer
	Core/Peripheral Switch	Cisco Nexus			**Audio/Video**		**Tablet Computer**	
	Management	WhatsUpGold Monitoring			Web Conference	Microsoft Skype for Business	Hardware	Lenovo X1 Yoga Panasonic Toughpad
	Wireless Access Point	Aruba	Data Center Location	US Geographical Based	**Business Intelligence / Reporting**		Operating System	Microsoft Windows
	Storage		Data Transfer	Secure FTP & HTTPS	Dashboards	Microsoft Power BI	Browser	Microsoft Internet Explorer
	Hardware	Nimble	Security Standards	TLS	Business Intelligence	Microsoft SQL Server Reporting Services Microsoft SQL Server Integration Services Microsoft SQL Server Analysis Services	**Smartphone / Smart Device**	
	Phone		Certification Authority	DigiCert High Assurance CA-3			Operating System	iPhone IOS
	Core PBX	Avaya	**Computer Room**				**Office Apps / Messaging**	
	Voice Mail	AVST CallExpress	UPS	Emerson Liebert			Email	Microsoft Exchange -
	Fax Messaging	RightFax Fax Server			**Web / Internet Information Server**		Instant Messaging	Microsoft Skype for Business
	Radio		HVAC	Emerson NetPartner	Software	IIS	**Collaboration**	
	Motorola 800 Mhz	Portable: Motorola, EF Johnson Mobile: Motorola XTL, APX, EF Johnson	**Security**		**Desktop Automation**		Software	Microsoft SharePoint Online Microsoft OneDrive for Business
			Authentication	Microsoft Active Directory / ADFS / Single Signon Microsoft Azure Multi-Factor Authentication	Software / Systems Management	Microsoft System Center Configuration Manager (SCCM)		
	VHF	Portable: BK, RELM, Motorola Mobile: Kenwood, Motorola	End Point Protection	TrendMicro OfficeScan	Virtual Application Management	Citrix XenApp	**Copier/Printer/Scanner**	
			Firewall	Palo Alto			Multi-Function	Canon MFP
			Mobile Device Management	Citrix XenMobile			Laser Printers	HP Laserjet
			SIEM/Logging	IBM QRadar				
			VPN	Palo Alto Global Protect				
Reference: California Technology Department Document http://www.cio.ca.gov/ea								