



County of Santa Clara



Fiscal Years 2020 – 2022 Technology Services and Solutions Strategic Plan



TECHNOLOGY
SERVICES AND SOLUTIONS

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County of Santa Clara

Fiscal Years 2020 – 2022 Technology Services and Solutions Strategic Plan

On file in the Clerk of the Board's Office

Presented May 1, 2019 to:

The Board of Supervisors

Mike Wasserman	District 1
Cindy Chavez	District 2
Dave Cortese	District 3
Susan Ellenberg	District 4
Joe Simitian	District 5

Jeffrey V. Smith, County Executive

Ann Dunkin, County Chief Information Officer

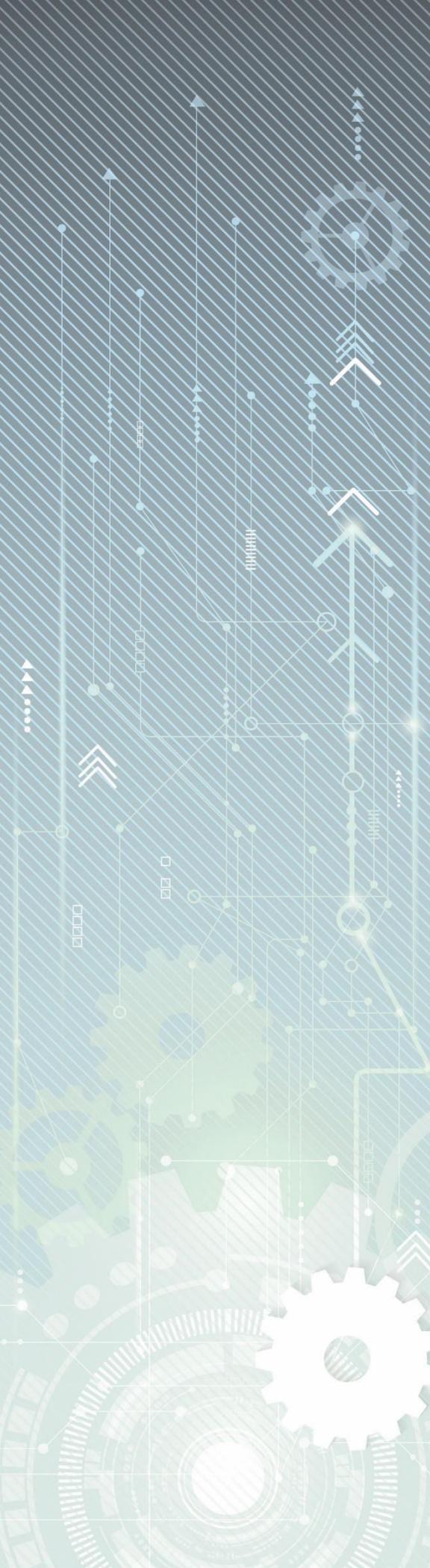
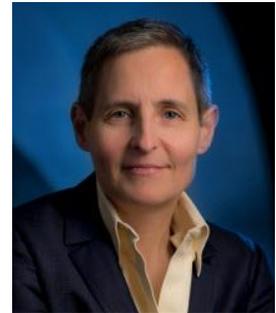


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Message from the CIO

I am pleased to present the 2019 update to the County of Santa Clara IT strategic plan. The IT strategic plan reflects the efforts and initiatives that will be undertaken by the County's primary IT organization, Technology Services and Solutions (TSS) as well as much of the work of the federated IT departments across the County. While TSS now includes approximately 80 percent of the IT staff in the County, the federated IT teams continue to play an important role in the success of the County.



As with last year, this year's plan does not attempt to summarize all the goals and activities for County IT throughout the next three years. Technology is too dynamic and fast moving to create a strategic plan that covers three years and expect it to be accurate in the second or third year. Instead this plan describes the overarching strategic objectives for the next three years. In that manner it serves as a guiding document or north star for the organization over the next few years. On a more tactical level, we did include the projects completed in the last year as well as the portfolio for the coming year.

We have spent much of the past two years focused on organizational transformation. We have consolidated Health and Hospital Systems Information Systems (IS), Social Services Agency IS, Information Services Department and (on July 1, 2019) Finance IS to form TSS. In the process, we consolidated infrastructure, operations, core business and enterprise technology (e.g. architecture and governance) and established business centric organizations to generate both operational efficiencies and customer intimacy. We have created 119 modern and specialized position classifications that will allow the County to hire, develop and retain new employees. We are also building a robust training and development program called TSS University to ensure that our employees can retain and grow their skills throughout their careers. Finally, we have focused on transforming the culture of the IT organization to increase innovation and the speed of technology delivery.

As we enter FY20 we are pivoting our focus towards modernizing our technology platforms, optimizing our operations and delivering innovative solutions. Within the horizon of the strategic plan, the County of Santa Clara will become the most innovative municipality in the region. We will focus on four areas of transformational work: Business Collaboration, Next Gen Procurement, Data Driven Transformation and Open Source Municipal Government.

As you will see in the following pages, we have set out a challenging agenda for the next three years. Now, with our workforce and organization ready, we are eager to embark on this new and compelling effort and are looking forward to working with our colleagues throughout the County, our suppliers and the community to achieve these exciting results.

Regards,

A handwritten signature in black ink, appearing to read 'Ann Dunkin'. The signature is fluid and cursive.

Ann Dunkin, Chief Information Officer



Introduction

The TSS Information Technology Plan 2020-2022 provides a framework and guidance for technology investments that contribute toward accomplishment of strategic business goals.

We in TSS are differentiated from other agencies by being information technology experts and our ability to contribute to the mission of the County by using this unique expertise.

Technology Services and Solutions play a major role in helping County departments provide necessary services to the public. We understand the urgency of putting useful technologies in the hands of County employees, as this will help us all improve our levels of service to the public.

The future offers many opportunities for us to implement new technologies that will improve services for our residents and County departments. We look forward to making an even greater difference in the lives of the public and our employees.

Mission

Transforming County services through collaboration, technology innovation and operational excellence.

Values

TSS has identified six values which govern how we conduct business within our technology organization. More than words on paper, we measure ourselves daily against our ability to live up to these values.



Guiding Principles

TSS has adopted the following principles:

- We believe that **people are our most valuable assets**.
- We operate with a **bias towards action and change**.
- **Working as One IT** forms the foundation of our success.
- **We build partnerships** to maximize the value of technology to the County.
- Every person may lead through **informed risk-taking**.
- TSS is committed to being a **learning organization** with life-long development of each employee.



Where we've been

We have made significant progress in major components of our previous three-year strategic information technology plan. We established a solid information technology infrastructure foundation for the future so we can turn our strategic efforts toward delivering extended customer value through systems they use to achieve business results.

The previous plan focused efforts in areas critically important to the people we serve. We defined six major strategic goals which helped us set priorities, allocate budget dollars and other resources and turn ideas into tangible, valuable realities. Our strategic goals for 2018-2020 were:

- Make County government more responsive and accessible by making it both more mobile and more mobile friendly.
- Develop more efficient and reliable infrastructures and services.
- Provide higher levels of security and privacy protection.
- Attract, retain and empower a committed, high-performing workforce.
- Enhance "line of business" programs and projects that strengthen vital County services.
- Develop enterprise-wide data management and analysis capabilities.

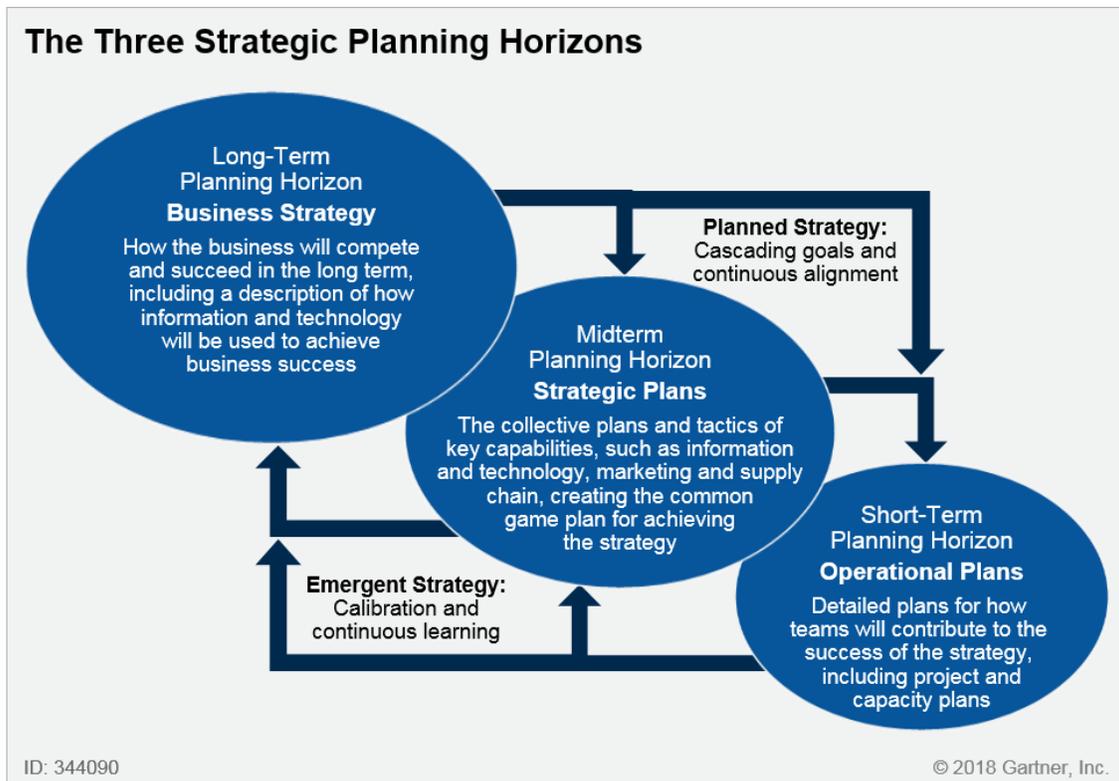
As we define where we're going, we will review some of the successes we've seen in the past few years.

Where we're going

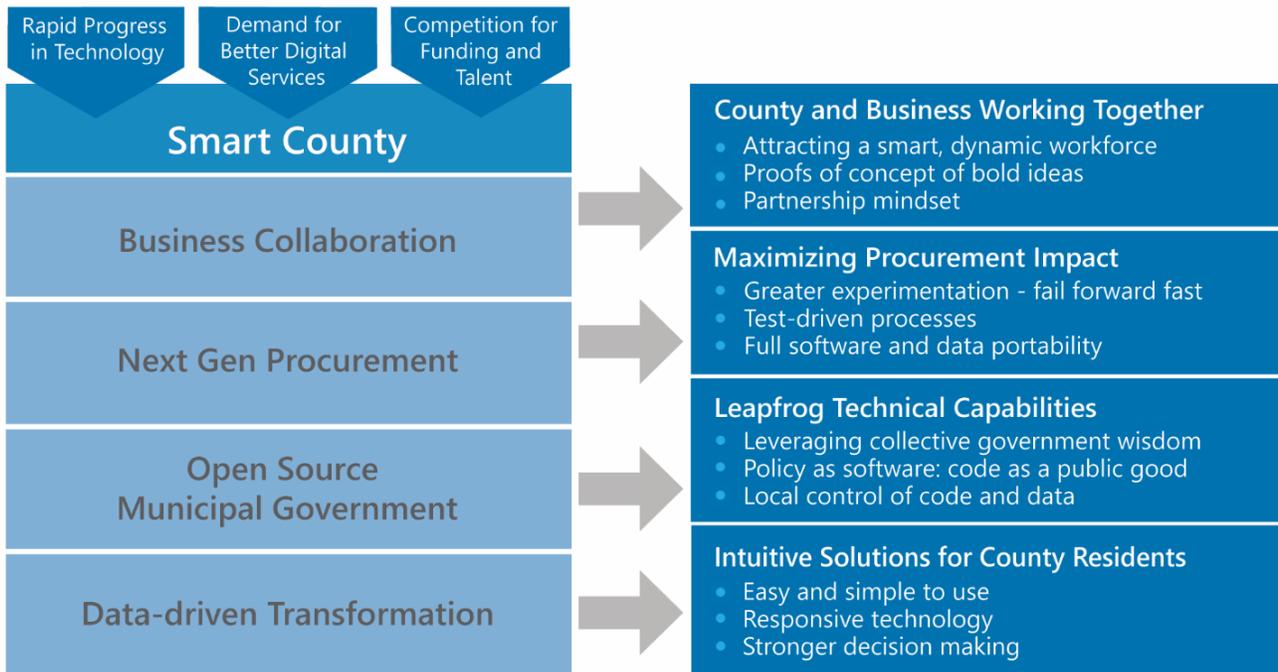
Strategic Planning Horizons

Strategic planning is a complex exercise as there often are many "unknown unknowns." Typically, the longer the time frame of the strategy, the greater the level of assumptions to be made and uncertainty to be explored and addressed. Today, this reality is exponential — the pace of change, the fast evolution of information and technology, the resulting hype produced, and the rapid impact on business models drive a requirement to break the strategic planning process into key planning horizons.

- The long-term planning horizon is the business strategy that describes how information and technology will be used to achieve business success. TSS has adopted a five-year time horizon for long-term planning.
- The midterm planning horizon is where strategic plans are created for key enterprise capabilities and assets. This time frame for TSS is three years. The TSS strategic plan describes the decisions in areas such as governance and funding, architecture, sourcing, and competencies. It also provides an investment portfolio and high-level program roadmap for TSS.
- The short-term planning horizon is where we create our operational plan. The time frame for this is one year. This focuses on the decisions concerning budget, capacity planning, program and project plans, and specific organizational change initiatives. The short-term plan is illustrated in our Appendix as projects approved for the FY20 fiscal year.



Five Year North Star



The County of Santa Clara: A Smart County

It's a pivotal moment for the County of Santa Clara. Rapid progress in technology, competition for funding and talent, and demand by residents for better digital services is driving a need for a new kind of transformation for the County: A Smart County.

Business Collaboration

More than any other kind of organization, municipalities have a great need for digital solutions to solve complex problems. As we create these new solutions, TSS will strive for interoperability between IT systems in general; and for interoperability in the built environment, physical infrastructures and Smarter Municipalities specifically.

Many big players such as IBM and Cisco, who are located within our County, are developing data-driven systems for urban planning, transportation, energy, law enforcement and much more. There are many opportunities for the County to engage local technology giants in public-private partnerships. These would provide technology companies with proofs of concept, while creating a dynamic, responsive infrastructure for our residents.



Collaboration continues both inside and outside the County. New developments will strive to reflect the latest, best and emerging practices and patterns from smart municipalities throughout the world.

Next-Gen Procurement

To maximize the impact and potential of the procurement function, TSS will partner to develop and coordinate a comprehensive set of capabilities that encapsulate recent advances in technology, analytics and management practice.



Governments in Europe and across the United States have experimented with new concepts of test-driven procurement, which revolutionize the speed and efficiency of government services. Instead of years of RFP development, data and functional portability allow municipalities to procure at the speed of need by using pilots, multi-award vehicles such as prequalified pools and leveraging vehicles competed by other entities. This allows services to be quickly procured and facilitates shifts to new providers based on service capabilities, pricing or other competitive factors.

Data-Driven Transformation

Any discussion of transforming Santa Clara to be a Smart County must also involve today's most indispensable asset: data. Data within the County is fragmented not only within our various agencies, but also across other stakeholders like corporations, public institutions, nonprofits, and personal resident databases, with little standardization. To identify and respond to urban trends, we need a way to collect and synthesize multiple sources of data. Only through real-time analysis of information flows can we leverage technologies to automate public services, improve security, and optimize responsive infrastructure. Centralized databases and hyper-connected infrastructures will enable smart public services which respond to data inputs in real time and revolutionize modern governance.



In 2019, the Federal OPEN Government Data Act was signed into law – an evidence-based, open data law focused on gathering data to make more informed public policy decisions. This will provide a model for our work for TSS.

As we provide medical, social and justice services to County residents, any discussion of data requires us to consider the privacy implications for residents who are increasingly concerned about the impact of surveillance on their daily life.

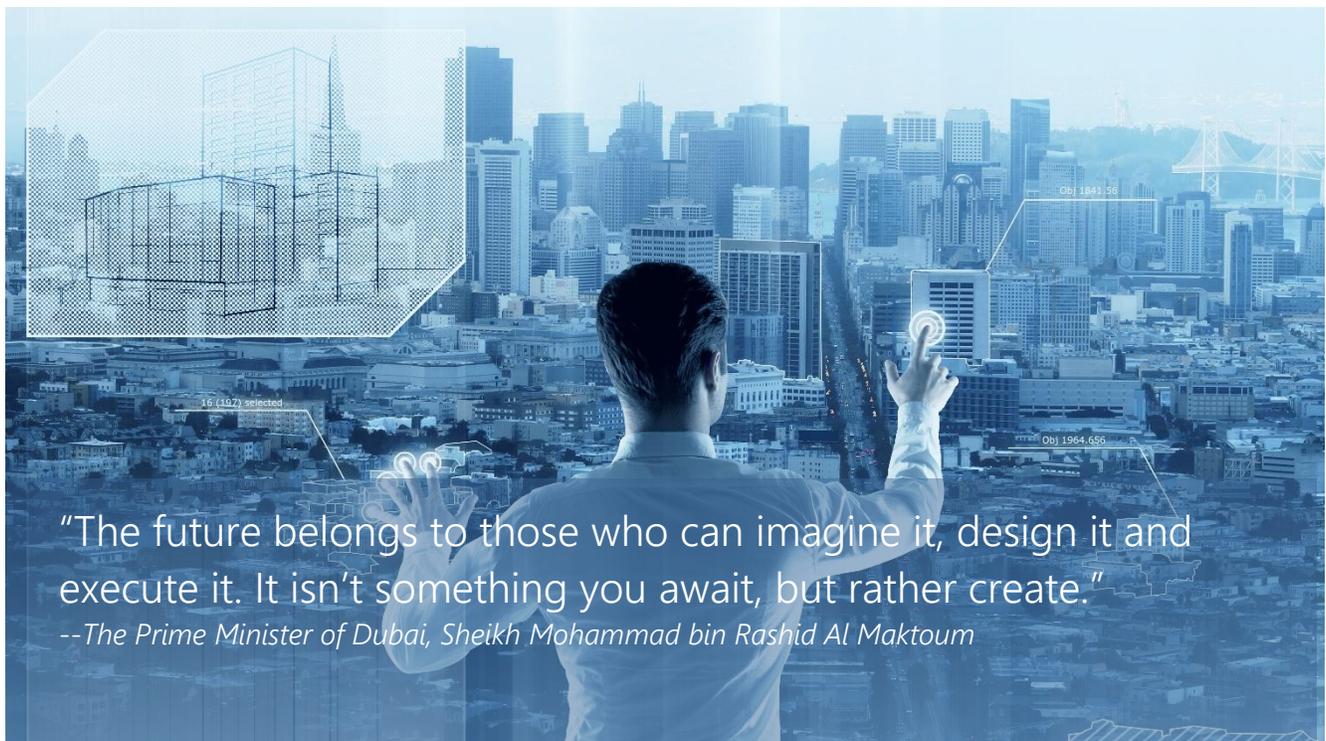
Open Source Municipal Government

Residents are increasingly aware that they are at the mercy of network service providers for their privacy, security, and ability to understand how decisions are being made algorithmically. While we partner with corporations for the development and implementation of services, we can also work on developing and implementing open source solutions that belong to the people. In the future, software which runs our County can be public infrastructure as much as any street grid or transportation network. Our technology infrastructure should be open, collaborative, reusable and sustainable, as defined in TSS's Architecture Principles. We will need to design solutions with care in order to deliver better, more intuitive solutions.



Emerging collaborations among government entities are creating a community of municipalities that submit and reuse codebases to run modules of municipal government from an open-source repository. Publicly financed software developed for the public sector can be made publicly available under a Free and Open Source Software license. Public money can be used to create public code.

In this way, policy becomes software, more deliberative and transparent than ever, where residents have real-time access to policy changes.



TSS Three Year Vision

Three Year TSS Strategic Plan

Objectives	Technology Innovation 	Operational Excellence 	Collaboration 	Employee Engagement 	Stewardship 
Strategic Actions	<ul style="list-style-type: none"> Identify technological disruptors Digital transformation 	<ul style="list-style-type: none"> Process improvement Capacity management Enterprise architecture 	<ul style="list-style-type: none"> Increase data availability and governance Begin dialogue with companies based in County 	<ul style="list-style-type: none"> Support employee development Make TSS best place to work 	<ul style="list-style-type: none"> Drive transparency Security and privacy of County data Create a sustainable future for residents
Roadmap	FY20	FY21	FY22	Future	
Technology Innovation					
Operational Excellence					
Collaboration					
Employee Engagement					
Stewardship					
Metrics	<ul style="list-style-type: none"> % of investments made in innovations Technology incubation lab 	<ul style="list-style-type: none"> Critical projects successfully completed Benefits realization Reduced cycle time 	<ul style="list-style-type: none"> Average customer satisfaction Partnerships 	<ul style="list-style-type: none"> Pulse surveys Training investment per employee 	<ul style="list-style-type: none"> Third party analysis Sustainability plan
Risks	<ul style="list-style-type: none"> Resource contention Legacy stability Balancing reliability and agility 				

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As TSS reviews its strategic choices, we reflect upon our business capabilities, organizational culture, and information and technology. Each of these reflect strengths of the County which can be leveraged to transform TSS into an organization that serves the needs of County agencies and residents.

Our three-year plan is tied very closely to the mission of our organization, transforming County services through collaboration, technology innovation and operational excellence. TSS focuses on that mission, while being good stewards of the resources granted to us and making the County an ever-better place for people to work.

Goal 1: Technology Innovation

Technologies such as analytics, automation, artificial intelligence and even autonomous vehicles all have the potential to enable the County to offer services that not only can improve the constituent experience, but also save governments time, money and labor.

To achieve the benefits of innovation, TSS needs to identify potential technology disruptors from outside county government, as well as to drive digital transformation from within.



Identifying technology disruptors involves constantly scanning the environment for developments and analyzing to determine if a disruptor will be a catalyst for great leaps forward in the services the County provides.

At TSS, we see digital transformation as the integration of digital technology into all areas of the County, resulting in fundamental changes to how we operate and how we deliver services to constituents. Beyond that, it is a cultural change that requires us to continually challenge the status quo, experiment often, and get comfortable with failure. This sometimes means walking away from long-standing business processes in favor of

relatively new practices that are still being defined. It means comfort with ambiguity and risk, while still being good stewards of the resources of the County.

Digital transformation drives increased citizen participation in government, as we increase the opportunities and convenience of engaging with government. Greater transparency of government operations builds trust with County residents.

Innovation requires governance. TSS has developed architecture principles to design and evaluate technology solutions to assure they meet the customers' needs and provide business value in cost-effective and risk conscious ways that are aligned with the County's strategic goals.

Some of the projects on our radar screen include the broad adoption of cloud technologies, the complete re-platforming our public portal to smart AI enabled services, moving from our ERP monoliths to post-modern modular business systems, and implementing integration platforms, master data management, and business intelligence systems to generate insight from our data assets. We are also embracing paradigms like agile development, microservices, DevOps, design thinking, and natural user interfaces.

The changes will increase complexity and risks, and require investments in automation, security, privacy, governance and processes.

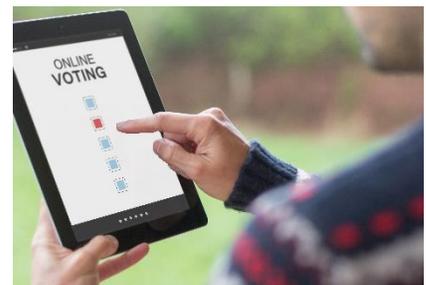
In order to take advantage of the technological opportunities, TSS is establishing a technology innovation process. This process will include the creation of a technology incubation lab, continuous learning and knowledge sharing, and partnerships with technology vendors, government agencies, and our residents.

Innovation is 50% creativity and 50% discipline. We are investing in both sides in order to be ready for our digital future.

Goal 2: Operational Excellence

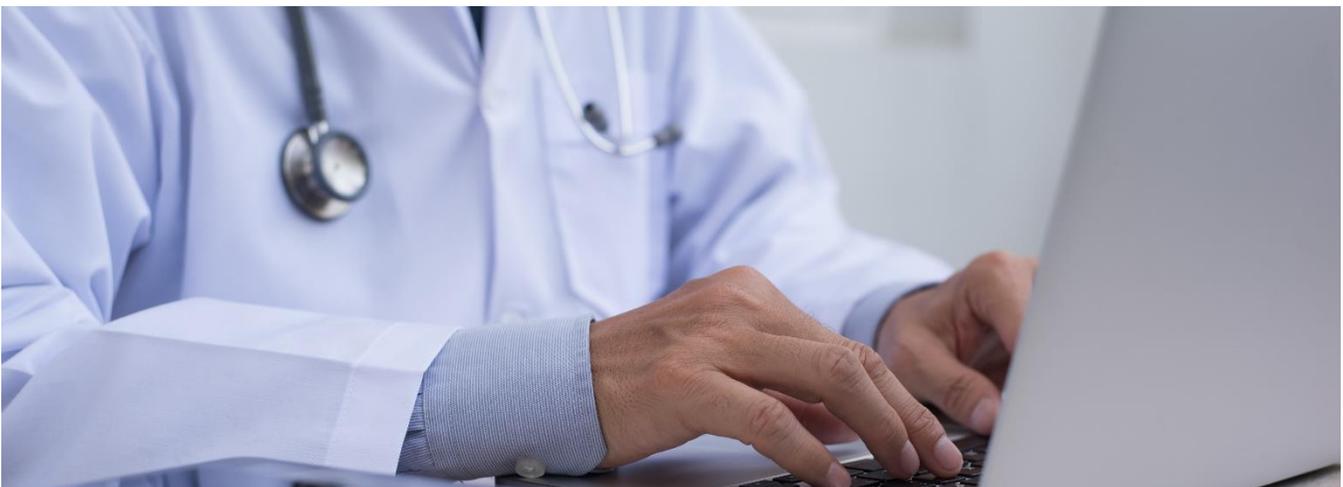
To offer better services to County departments and residents, TSS will focus on improving critical foundational capabilities, including capability management, IT governance, stakeholder management, resource optimization and benefits realization.

Operational excellence leads to continuous improvement in delivery – systems just work better. We will realize decreased TCO (Total Cost of Ownership) and system failure through efficiencies, standardization and reusable components. This will also allow us to deploy complete solutions at a pace to better meet resident needs.



A critical driver for operational excellence is the reduced public willingness to fund government services. How can we do more with less cost to County residents? Efficiency comes from continuous process improvement including automation, employee empowerment, standardization, re-use and benefit realization from investments in enterprise technology platforms.

In addition, TSS is investing in Technology Business Management, which provides a shared decision-making model for technology and business leaders and a structure for IT executives to have conversations with the County Executive and the board of supervisors about the value of IT investments. This work will increase the visibility of IT resources and organizational capability, improve asset optimization, and ensure greater collaboration and strategic alignment with the business by tracking TCO. This increased financial transparency will serve to reduce operational costs, redirecting investment to innovation.



Operational Excellence isn't just a buzzword. It's a requirement for the work we do to support County health systems. TSS builds and supports solutions for direct and indirect caregivers and for administrative personnel that provide services that support our patients and community twenty-four hours a day. This includes service to three hospitals and eleven clinics, from women and children's services and express care to our dental clinics and trauma center and much more. TSS also helps to develop solutions for public health, behavioral health and substance abuse.

As the County's health system serves an average of 500 inpatients, 5,000 ancillary and outpatient, and 500 emergency room visits every day, we aim to provide excellent service and experience, any time and every time. TSS selects, prioritizes and oversees the Integrated Health System initiatives that offer the best opportunities to achieve the County's strategic goals and provides technology services to ensure high quality, compassionate and accessible healthcare for everyone in Santa Clara County.

The County ended FY2019 with the exciting purchase of two hospitals and a clinic. Over the coming year, TSS will work to facilitate a successful hospital technology integration to assist with delivering consistent, excellent healthcare throughout the County and provide process structure and visibility to ensure that the hospital integration is executed effectively.

Goal 3: Collaboration

Collaboration is key to TSS's future organizational success. Collaboration with other agencies and departments, collaboration with our local business communities, and collaboration with other municipalities in solving common problems.



Collaboration within the County

TSS provides support at some level to all County agencies and departments. Most agencies and departments including HHS and SSA are fully supported, while a few departments and agencies maintain small IT teams.

Each of these departments and agencies must respond to the growing demands of their customers for more convenient, efficient and capable County services—services that require ever evolving IT systems, services and support. TSS will improve communication and work capabilities between internal organizations, through governance models, processes and cultivating higher levels of trust and collaboration. We will focus on building partnerships across the County to develop innovation and digital strategies to solve business needs.

Collaboration with the Business Community

TSS will work to make it more attractive to establish a business in Santa Clara County. We can ensure that fundamental information about our business environment is easily available online, such as:

- Demographics
- Visibility into the labor market
- Permitting requirements
- Wage laws

Information like this can help someone determine whether they want to move to our County to open a business. TSS builds a deeper, more impactful government presence in our community, connecting business to innovative technology solutions.

Simultaneously, TSS will start conversations with local businesses about collaboration opportunities, leverage future ways of working including remote and mobile working, "fab labs" (3d printing facilities), "pop-up" establishments and collaborative working spaces.

TSS will design opportunities for serendipitous interaction and innovation between stakeholders from different parts of the County, and among residents.

Finally, we begin conversations with large technology companies about conducting proofs of concept of municipal solutions in their own back yard. Leapfrogging current capabilities with leading edge technology can help County services meet increasing resident demands.

Collaboration with Other Municipalities

In a bold step forward, TSS will expand conversations with other municipalities about reusable civic components. Communities have become the key nodes of the global economy. They play a singular role as hubs of innovation and sources of universal flows of information—produced by people, things and the interactions between them. How can Santa Clara County approach these challenges and adopt sound financial strategies to become more livable and self-sufficient, with empowered citizens?

TSS will undergo study to understand the framework for system-level data analysis and representation, and a knowledge base of specific learnings. What opportunities exist for a repository of documents describing projects, policies and recommended practices that be tested by municipalities working and learning together to tackle common transformational challenges?

Goal 4: Employee Engagement

It's no secret that engaged employees make for a happier workforce. With the unemployment rate at historic lows, attracting and retaining top talent has become increasingly competitive. This is particularly true in Santa Clara County, where local government must compete for top IT talent with many of the world's best known and most respected high-tech companies.



TSS launched the IT Career Compass (ITCC) Program in 2016 to transform how we develop our workforce, skills and services and how we adapt to meet the changes ahead in the IT industry. Since launching this effort, we:

- Consolidated County's Information Services, Social Services Agency IS, and Health and Hospital System IS departments in 2018, and Finance in 2019 to create Technology Services and Solutions (TSS).
- Created a new job architecture comprising of 119 new and revised job descriptions reflecting industry standards along with aligning salaries to market value.
- Conducted a classification study of County's 800+ IT employees to place them in the new classifications.

The benefits of this comprehensive effort include enhanced customer focus, combined resources and maximized efficiencies, consistent job duties, expanded career progression, aligned salaries with market value, and improved recruitment, retention and recognition.

Now that this baseline effort is nearly complete, we will focus on providing more development opportunities for employees through continuing education, professional certification degree attainment and other career-related programs, through a program called TSS University.

Formal training opportunities will ensure all employees acquire the skills required to identify, evaluate and leverage emerging technologies. The vision of TSS University is to manage and deliver training opportunities

that increase the knowledge, skills and abilities of County staff through technology training, leadership development, certifications and assistance with degree programs.

TSS has focused on the “attract-retain-empower” challenge in the past few years. Now we’re raising the bar to make TSS the best place employees have ever worked.

We show employees that their work has meaning, and they can see how it has a direct impact on county residents. We support the quality of life for the County population, empower residents and employers, and maintain a safe and vibrant County. The work we do protects data and systems, eliminates bureaucracy and stretches limited resources.

We will work on building the connection between the work our employees do, and the County’s work to help underserved communities, so our employees see the meaning behind the work we do every day.

Goal 5: Stewardship of County Resources and Data

With 1.9M residents, 25,000 employees and a geographic area spanning 1,304 square miles, Santa Clara County has a regional and global responsibility to consider its impact on the environment and develop responsible policies that promote sustainable behavior in its operations and communities.



Through a skilled workforce and application of resources, TSS delivers services and products to other county agencies to help improve how they serve the community. Increasingly, solutions are found by understanding the personal and professional data that is entrusted to TSS. County residents would like easier, more transparent access to information and County services, requiring TSS to deliver government services in a digital capacity. Therefore, TSS must implement technological business solutions to enable County departments to meet their core mission, transform how we share information, and protect the privacy rights of individuals.

Led by the Chief Information Security Officer, Chief Data Officer and Chief Privacy Officer, the County’s IT security and privacy efforts are designed to integrate and harmonize the protection of County information, assets and operations. An Executive Data Governance Committee has been formed to establish policies and oversight of data sharing and risk analysis.

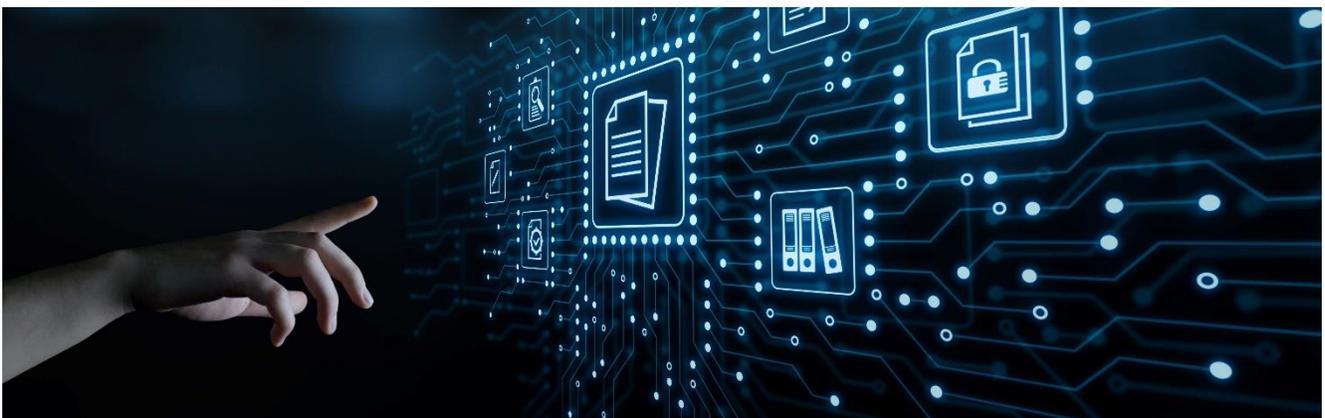
Data Management

In 2018 the County’s first Chief Data Officer was hired to mature data management and analytics practices across the county. Working as a Center of Excellence, the Chief Data Officer will staff a small Data Services team to include Data Engineers, Data Analysts, Business Intelligence Analysts, Information Architects and Data

Scientists. Working collaboratively with business and technology stakeholders, the Data Services Center of Excellence is expected to help establish standards and best practices as well as introduce new data analytics and data management capabilities. TSS will increase utilization of data to understand the current situation, analyze opportunities, measure results and make more informed initial and corrective decisions. The major initiatives the Data Services team will focus on over the next 3 years include:

- Procure a Data Catalog product and curating data assets to help assess risk and identify analytical opportunities.
- Support a Countywide Person Index that federates existing Master Data Management initiatives in SSA, PSJ and HHS.
- Provide Data Warehouse, Data Mart and Business Intelligence tools training, consulting and support for major data projects.
- Establish and facilitate necessary Data Governance committees to set policies and standards, approve and monitor data sharing agreements and resolve data quality issues.
- Provide support for the existing Open Data portal and development of infographics and storyboards to provide context to the data.
- Procure a countywide Business Intelligence Platform and provide training on creating visualizations, dashboards, scorecards and other analytical applications.
- Expand GIS data and mapping services with additional imagery and 3D modeling data.
- Lead change initiatives and facilitate community meetings, to drive a data-driven decision-making culture.
- Create a Data Innovation Laboratory and develop a Data Science discipline that accelerates policy and program evaluations.

TSS will work to make data more openly available, improve classification and identification of sensitive data and facilitate the use of this data. Crowdsourcing and other partnering agreements will be explored all while balancing transparent government needs and security/privacy rights.



Security

Since security of constituent data and County services is a critical component of our stewardship, TSS partners closely with the County's Chief Information Security Office (CISO). The CISO has developed a County Cybersecurity Strategic plan that strategically manages enterprise security projects to correct known vulnerabilities, reduce barriers to cross-Department collaboration, and provide state-of-the-art cybersecurity solutions and services to protect and support the County's systems and business initiatives. The nature of our data and systems are changing rapidly, and the need to identify, protect, detect, respond and recover gets ever more challenging in this dynamic environment.



Identify

The County must understand the business context, the resources that support critical functions, and the related cybersecurity risks that enables us to focus and prioritize efforts, consistent with risk management and business needs. The Information Security Office and TSS are developing strategies for addressing the security of Internet of Things (IoT), Identification and Authentication (IA) and understanding our risk tolerance, among many other areas.



Protect

The County must be able to limit or contain the impact of a potential cybersecurity event. The Information Security Office in collaboration with TSS is hardening infrastructure. The department is incorporating and furthering security in the SDLC process, to ensure security by design. Other ventures include Intrusion Protection Systems (IPS), data loss prevention and zero-trust network strategies.



Detect

The County must have the capability to enable timely discovery of cybersecurity events. The Information Security Office in collaboration with TSS is building the capability to enable timely discovery of cybersecurity events through a Security Operations Center (SOC), threat monitoring, and internal penetration testing.



Respond

The County must have the ability to appropriately respond to a potential cybersecurity incident. The Information Security Office in collaboration with TSS ensures readiness through tabletop testing, as well as testing of the County's Incident Response Plan.



Recover

The County must have the ability to provide support for timely recovery to normal operations to reduce the impact from a cybersecurity incident. Efforts include testing for continuity of operations, a communication strategy and web portal.

Privacy

TSS partners closely with the County Privacy Office to ensure that privacy is considered in incident management and data breach responses and other policies impacting the County. In addition, this partnership will address these initiatives going forward:

- Privacy by design, including incorporating privacy considerations in the Software Development Life Cycle (SDLC).
- Vetting data sharing requests and reviewing the IT portfolio of projects from a privacy perspective.
- Assisting department staff in configuring surveillance technologies to support privacy and civil liberties as necessary.
- Responding to Privacy Impact Assessments (PIA) and Sensitive Information Inventories.
- Remediating identified privacy risks and offering recommendations for remediation or acceptance of risk.
- Supporting privacy training completion to improve employee awareness and data breach reporting.

Asset Management

As the costs of IT hardware and software assets have increased and the liabilities associated with inadequate asset management have become more severe, the need for a formalized IT asset management program has increased. To address this stewardship challenge, TSS launched an IT Asset Management Program, which actively manages the County's inventory of software licenses and end user hardware including laptops, desktops, monitors and cell phones.

The County has over 1.4 million software installations with 2,000 unique application. IT Asset Managers also manage asset refresh programs, implement hardware standards, respond to inventory anomalies and analyze maintenance records to optimize the County's investments.

Over the next three years, we will focus on asset implications of employee on-boarding and off-boarding, and a single comprehensive hardware/software inventory with standardized record documentation.

Sustainability

The TSS of the future will stand for sustainability, scalability, flexibility and resilience.

It's critical that TSS incorporates sustainability – economic, social and environmental - in our path forward. By looking at the long-term impacts of the work we do, we create resiliency. We examine the environmental impacts of servers and IT infrastructure, and the social aspects of the work that we do on employee health and engagement.

Silicon Valley is a place that often doesn't look beyond the next quarter. We want to create a sustainable future for County residents.



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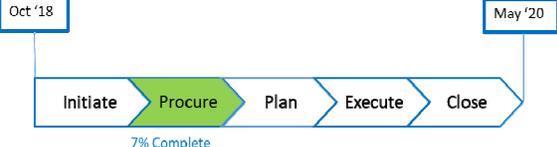
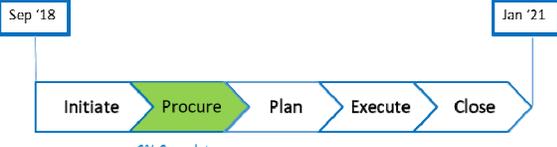
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**Appendix 1 - Projects Closed in Fiscal
Year 2019 As of April 15, 2019**

	Vertical	Department Requesting Project	Project Name
1	COA	CEO-Office of Sustainability/IPM	CEO Driving to Net Zero Website
2	COA	CEPA-DEH - Information Svcs	DEH Database Azure Migration
3	FES	Dept of Tax and Collections	Property Tax E-Comm Project
4	FES	Dept of Tax and Collections	Property Tax Mobile Application
5	FES	HHS - Valley Health Plan	Broker Appointment Intake through DocuSign
6	FES	HHS - Valley Health Plan	VHP Network Website
7	HHS	HHS - Behavioral Health Svcs	Behavioral Health Services Practice Manage Sol
8	HHS	HHS - Behavioral Health Svcs	Behavioral Health Services TeleForm Expansion
9	HHS	HHS - Public Health	PHD EMS Data Replication Infrastructure
10	HHS	HHS - Public Health	PHD Open Data Portal
11	HHS	HHS - Public Health	Public Health - Vital Records Banknote System
12	HHS	HHS - Public Health	WIC Health Messenger Solution Implementation
13	HHS	HHS - Valley Medical Center	Nursing Administration - Epic Rover for iOS phone
14	HHS	HHS - Valley Medical Center	Sobrato Pavilion (Bed Building 1)
15	HHS	HHS - Valley Medical Center	Therapy Services Pt Scheduling System Software
16	HHS	HHS - Valley Medical Center	Varian 13.7 Software & Hardware Upgrade
17	HHS	HHS - Valley Medical Center	VMC Enterprise Provider Scheduling System Solution
18	HHS	HHS - Valley Medical Center	VMC Xper Flex Cardio System implementation
19	HHS	TSS – Health System	EPIC 2018 Hardware Upgrade
20	HHS	TSS – Health System	HHS Computer Assisted Coding Software Solution
21	HHS	TSS – Health System	HHS IS Epic MyChart Bedside
22	HHS	TSS – Health System	HHS IS Epic Tapestry
23	HHS	TSS – Health System	InSight Sepsis Study
24	PSJ	Office of the Sheriff	Kronos Clock Replacement
25	PSJ	TSS-Law and Justice Systems and Programs	PSJSP DR Strategy
26	SHR	CEO-Office of Emergency Svcs	Implement OES VMS
27	SHR	CEPA-AEM - Animal Care & Control	Implement Animal Shelter VMS
28	SHR	Registrar of Voters	Implement ROV VMS
29	SHR	TSS-Enterprise Content Management	Implement VMS Enhancements
30	SHR	TSS-Enterprise Content Management	Implement Volunteer Management - Phase 2
31	SHR	TSS-Enterprise Infrastructure Support	Business Object/Data Services Migration
32	SHR	TSS-Enterprise Infrastructure Support	HHS-ISD IT Disaster Recovery
33	SHR	TSS-Enterprise Infrastructure Support	Installing Cylance in SSA Servers
34	SHR	TSS-Enterprise Infrastructure Support	Isilon Relocation to Sobrato
35	SHR	TSS-Enterprise Infrastructure Support	PeopleSoft HCM Archiving
36	SHR	TSS-Enterprise Infrastructure Support	SSA Consolidation
37	SHR	TSS-Enterprise Infrastructure Support	TSM Storage Upgrade
38	SHR	TSS-Network and Telecom Services	Replacement of ISD supported End-of-Support Cisco
39	SSA	SSA	AlertUS Notification - Phase 1 Agency Employees
40	SSA	SSA	AO KRONOS: ESS to AO
41	SSA	SSA	APS Cares Application Replacement
42	SSA	SSA	APS Revised SOC242
43	SSA	SSA	DEBS DW - Phase 2
44	SSA	SSA	DFCS - RAIC Dynamic Dashboards (Receiving, Assessment, and Intake Center)
45	SSA	SSA	DFCS Tech Refresh
46	SSA	SSA	IDM Datacap OCR & eDoc Implementation
47	SSA	SSA	Implementation of New EBT Vendor
48	SSA	SSA	Decision Support Data System (DSDS)

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**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

Tier	Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
1	4 CCO California Public Records Act (CPRA) Website	An intake portal for California Public Records Act Requests (CPRA) will facilitate the proper routing of requests, coordination with departments, assignment of an attorney if applicable and tracking of requests to ensure timely responses per Ordinance Section A17-12.	\$350,200	\$350,200	 <p>Project Status - Requirements and specifications gathering in anticipation of competitive bidding.</p>
2	4 CCO Case Management & Billing System Modernization	Replacement of the County's case management application with a new application will meet County Counsel's needs. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$50,000	\$50,000	 <p>Project Status - Requirements and specifications gathering in anticipation of competitive bidding.</p>
3	4 DPD InSite Business License Module and Automation	The workflow management tool will be extended to include business licensing and provide an online mobile citizen portal. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$1,366,600	\$1,264,760	 <p>Project Status - In March, we completed transition of InSite 1.0 to Support, and continued progress on contract legal reviews with 2 awarded vendors for InSite 2.0. We also prepared for Digital plan submission and review campaign with gap analysis, and training staff on the digital plan review process.</p>

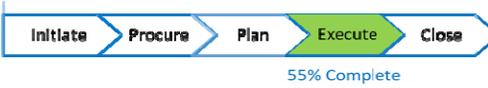
**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

T i e r		Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
4	4	IT Career Compass	ITCC is an ongoing initiative focusing on modernizing County IT through redesign, consolidation, new classifications, revised salary structure, organizational development, and training.	\$750,000	\$338,683	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Dec '14 Jun '19 </div> <div style="text-align: center; margin-top: 10px;"> <p>Initiate → Procure → Plan → Execute (54% Complete) → Close</p> </div> <p>Project Status - The Technology Services and Solutions Department has created a robust training and development program for both managers and staff. This program supports the ITCC initiative to upskill all managers and staff with the interpersonal skills necessary to grow and thrive in the new TSS organization.</p> <p>All training classes are designed to support the TSS Mission, Values and Principles and build on the knowledge and skills learned in the previous class.</p> <p>ITCC's Class Study will give the County an opportunity to provide consistency in IT classifications and provide greater opportunity for advancement through introducing a new IT job architecture that reflects industry standards and improve recruitment, retention, and recognition of IT personnel with identifiable career paths and aligning salaries with market value.</p> </div>
5	4	Park Ranger Information Management System (PRIMS)	Software implementation for Park Ranger information management system, requiring implementation and professional services	\$86,978	\$8,889	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Aug '16 Jul '20 </div> <div style="text-align: center; margin-top: 10px;"> <p>Initiate → Procure → Plan → Execute (66% Complete) → Close</p> </div> <p>Project Status - Project is in construction phase. Several parks now have initial Wi-Fi functional (e.g. Almaden, Field Sports, Hellyer, Sanborn, Calero Boat Launch, and Los Gatos Creek. Coordinating with County Communications, Parks, and NIS to prepare for installation at the remaining parks. Project remains ahead of Dec. 2109 schedule.</p> </div>

**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

Tier		Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
6	4	Replace iVOS and RiskMaster with RMIS/Claims Manager	The RMIS project is a replacement of iVOS and RMA applications which are used by Worker's Compensation and Property/Liability Claims Departments. These applications were purchased in 1997 and 2003 respectively and both contracts ended July 2017. This project consists of three Phases: Phase 1 - Worker's Compensation module. Phase 2 - Property/Liability Claims Processing Module Phase 3 - Risk Management reporting County wide.	\$2,266,462	\$1,763,647	<div style="display: flex; justify-content: space-between;"> Jul '17 Dec '20 </div> <p>Project Status - Contract amendment in progress to accommodate enhancement requests by business. Phase 2 kicked off with CCO and Property Claims. requirement gathering in progress with vendor.</p>
7	4	ROV Voting System and Technology Modernization	Replacement of voting system and associated technologies to support SB450, the Voters Choice Act, will enable ROV to move toward a voting center model and mitigate the risk of failure from aging non-supported equipment.	\$90,000	\$90,000	<div style="display: flex; justify-content: space-between;"> Sep '18 Mar '20 </div> <p>Project Status - ROV Voting System and Technology Modernization consists of several projects with the budget. -Voting System in Negotiation Stage -Electronic Poll Book: Evaluation committee to review vendor responses from the RFP -Awaiting decision from BOD on VCA model</p>
8	3	CEO Reasonable Accommodation and Investigations	Develop and implement a system to manage reasonable accommodation requests and other investigations, in accordance with the Title 1 of the Americans with Disabilities Act. The new system will provide notifications, workflows, and other case management features. Project allocation provides resources for a project discovery phase. additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$50,000	\$50,000	<div style="display: flex; justify-content: space-between;"> DEC '17 Mar '20 </div> <p>Project Status - Engaging with Procurement to update RFP documentation, prepare for RFP.</p>

**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

Tier	Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
9	3 Image Conversion Project - Phase II	The current project is a multi-year project spanning 2 years (FY17 and FY18). In FY16, the 1st phase of this project, was approved for the conversion of all film records for the year of 1980. For FY17, the 2nd phase of this project, was approved to convert document images for our films records for years 1960 to 1979. Phase III of this project (targeted for FY19 and FY20) will convert our book records from 1858 to 1959.	\$0	\$0	<div style="display: flex; justify-content: space-between;"> Aug '17 Dec '19 </div>  <p>Project Status - We are working with procurement on reviewing the final draft of the RFP. The RFP publishing date will be in late April, 2019.</p>
10	3 Implementation of CME V3	Currently Coroner's office uses VAST for recording of autopsy data and images. Current version of VAST 2.2 is outdated, missing a lot of features that the current staff at MEC need and Vertiq the parent company will no longer support the current version post 2019.	\$175,000	\$175,000	<div style="display: flex; justify-content: space-between;"> Jul '17 Jun '19 </div>  <p>Project Status - Contract signed, requirement gathering phase kicked off with vendor.</p>
11	3 IPM Spatial Monitoring and Data Management Project	RFP development and implementation of custom software from a professional services vendor selected for IPM Spatial Mapping and Data Management Software. Assessment is already complete; business, functional, and technical requirements are complete. Implementation includes development of forms, relational data input/output, custom report writing, test, UAT, and roll-out, and on-going maintenance.	\$125,000	\$125,000	<div style="display: flex; justify-content: space-between;"> Jul '17 Nov '19 </div>  <p>Project Status - OOS Director is working with PRK director to obtain an explicit and clear agreement to move forward.</p>
12	3 ROV TrackIt Application Enhancement	Automating the processing of provisional envelopes received in elections will improve accountability. Project allocation provides resources for project discovery only. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$50,000	\$0	<div style="display: flex; justify-content: space-between;"> Dec '17 Apr '19 </div>  <p>Project Status - 1st Phase of Provisional Mail sorting integration with Election Management System, TrackIT and Mail Sorters has gone live in FY19. Conditional Voter Registration and Vote Center support interfaces in TrackIT will be needed.</p>

**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

	T i e r	Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
13	2	CEO Employee Wellness Campaign Builder Enhancement	Enhancements and additional features to the Employee Wellness custom activity tracker application will improve employee health.	\$70,000	\$70,000	<p>Project Status - Work has started on Campaign Builder enhancements, the goal is to have that complete before the end of the fiscal year.</p>
14	2	CEO Employee Wellness Health Club Directory	Developing an online Employee Wellness Health Club Directory will provide information of local health clubs offering discounts to County employees.	\$32,000	\$7,514	<p>Project Status - Facility Directory is in Construction, targeting April for user acceptance testing</p>
15	2	COB Assessment Appeals Track Faster Better	An automated status tracking system for assessment appeals will be implemented with existing resources.	\$265,000	\$163,814	<p>Project Status - Purchasing networking equipment and continue working on the front-end software. Back to Construction stage due to additional complexity in hardware and software architecture.</p>
16	2	Customer Relationship Management (CRM) Dynamics	Project to continue enhancements and possible development of new features to leverage maximum use of current CRM system and revise work flow functionality.	\$50,000	\$50,000	<p>Project Status - Webfortis engaged, work underway by vendor to implement minor enhancements for the EOD Reasonable Accommodation application on CRM.</p>
17	2	CEO Employee Wellness Lending Library	Automating the County's Wellness Lending Library will provide resources to County employees for personal development.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - On Hold Determine if this project should be kept open, since scope has been included in HHS Library project led by Carlos Gonzalez.</p>
18	4	CEPA The Daily Application	Redesign of the application used to manage agriculture weights and measures operations and reporting.	\$246,600	\$246,600	<p>Project Status - Approved project yet to start.</p>

**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

	T i e r	Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
19	3	COB Commission and Board Online (CABO)	This project will assess and implement Clerk of the Board record tracking that conforms to required laws and ordinances and improves the operational process. It will also track support for Assembly bills and trainings and provide detailed reports for County Boards and Commissions. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. COB found 3 potential vendor COTS solutions. COB requested to halt internal TSS development until after COTS evaluation.
20	3	ROV SCCVOTE Website and Mobile App Enhancement	Development of a SCCVOTE web portal and mobile application will support the vote center model that require the implementation of four State certified systems (Next Gen Voting System, Electronic Poll Book, Ballot on Demand Printers, and Remote Accessible Vote by Mail).	\$83,200	\$74,686	Project Status - On Hold. Completed Vote Center related enhancements will commence upon move to Vote Center Model BOS approval.
21	2	COB BOS Chambers Equipment Refresh	Broadcast equipment in Board Chambers has reached the end of its useful life. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$770,000	\$770,000	Project Status - On Hold. Pending Procurement's review to select the suggested sole source vendor. The project deadline is very aggressive and Procurement needs to finalize by mid April for the suggested qualified vendor.
22	2	PRK Pixie Dust (Parks Mobile Apps)	Developing Parks and Recreation specific applications will enhance the citizen experience by offering access to data and applications via mobile devices at park locations. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Discussions with business owners have been initiated to understand what are potential areas for mobile content to serve up for both visitors and staff. This phase of the project is to identify and propose options for mobile content

**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

	T i e r	Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
23	1	PRK Museum 2.0	Moving the Casa Grande Park archive data to the cloud will take advantage of periodic updates and provide easy access to information for customers as part of the Parks customer satisfaction measure. The database is home to information regarding artifacts in the Casa Grande Museum. This project will be implemented using existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Pending vendor readiness for new SaaS version to be released. Vendor was contacted Feb 10th 2019 and responded they will be ready Mid-March/April
24	4	FAF Fleet Fuel System Replacement	Replacement of the Fleet fuel system will provide greater reliability and data for County departments.	\$166,600	\$166,600	Project Status - On Hold. Pursuing with FAF to take a decision this month on whether they intent to start this project
25	3	Capital Project - Strategic Space Management	Project to continue enhancements and possible development of new features to leverage maximum use of current CRM system and revise work flow functionality.	\$100,000	\$100,000	Project Status - On Hold. Pursuing with FAF to take a decision this month on whether they intent to start this project
26	2	CEO Contracting SQL Database	A comprehensive database will allow for the compilation of data from the disparate systems to be used in the source-to-pay process of contracting and procurement.	\$106,600	\$106,600	Project Status - On Hold. Business is reviewing if they want to pursue this.
27	2	PRK Data Integration Analytics	Implementing a business intelligence solution will combine multiple existing data sources to provide data mining and analysis relating to project prioritization and other Parks and Recreation Department functions. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Working with business and IT BI group to understand how best to do a POC with Power BI. Parks is in the process of implementing solutions that will provide the data required for feeding into the Analytics solution

**Appendix 2 - Portfolio Status Report
Vertical: County Administration (CoA)**

Tier	Project Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
28	2 PRK Parks Website Upgrade	Updates and enhancements are needed to the Parks and Recreation's public website to meet the County's initiative of standardizing its branding and public presence. This project will migrate the Parks website to the new standard template to provide a better look and feel, offering robust mobile support, additional features, and improved accessibility and usability. Existing resources will be used to complete this project.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Planned end date updated from April 2019 to TBD as resource allocated to the project is on maternity leave and the team is impacted so no replacement resource has been identified. Earliest restart on project is June 2019. Stakeholder has been notified.
29	2 CEO Driving to Net Zero Website	Developing a web portal will enable better communications and sharing of information with the County's partner jurisdictions. Driving to Net Zero is a grant-funded collaborative project surrounding the deployment of electric vehicle infrastructure across the County. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed. Website established and support agreement in place with vendor
30	2 DEH Database Azure Migration	Migrating the Department of Environmental Health (DEH) departmental database to the cloud will allow access to real-time data for both field staff and their supervisors.	\$13,400	\$13,400	Project Status - Canceled. Due to the current County architecture of Azure and the uncertainty of cost. Also, there is an updated strategy on moving some data elements to the vendor cloud.

Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)

Tier		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
1	4	AES Commercial Appraisal Application	A commercial industrial appraisal application for the Real Property Division of the Assessor's Office will address data tracking and management of multi-use properties developed throughout the County. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="text-align: right;">Nov '18</div> <div style="text-align: left;">Dec '19</div> <p>Project Status - Contract in review stage.</p>
2	4	Human Resource Information System (HRIS) Maint Upg	The County's Human Resources Management System needs to be upgraded and prepared for migration to the next future version or to another comparable product. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$1,426,820	\$616,622	<div style="text-align: right;">Sep '18</div> <div style="text-align: left;">Dec '20</div> <p>Project Status - The revised project baseline will implement Ben Admin, Ben Billing, 834 interfaces to Production during mid-August. Subset of scope has been deferred (SingleID and RetroBen). Change order is being negotiated with Cherry Road. Post implementation topics are being addressed (business process and staff/resources). Tracking risks related to impact of union contract negotiations.</p>
3	3	Archibus Upgrade, Mobility & Portfolio Management	Implementation of new modules of Archibus for Property & Lease Administration and for upgrading the existing modules to Version 23 and implementing the mobile framework for Building Operations. Archibus is the Integrated Workplace Management System (IWMS) used by FAF and HHS.	\$452,150	\$226,062	<div style="text-align: right;">Jul '17</div> <div style="text-align: left;">Dec '19</div> <p>Project Status - Archibus Enhancement: 1. Work is progressing on the prioritized list of enhancement requests albeit slowly since there is change in FAF Management Portfolio Management: 2. FAF Real Estate is working on entering data into the Lease module. However, progress is slow. DB & Server Upgrade 3. Planning for Archibus database and application upgrade is being carried out</p>

Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
4	3	ASR Business Division Dashboard w Workflow Engine	Develop dashboard and workflows to automate and display Business Division process and workflow KPIs.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="display: flex; justify-content: space-between;"> Sep '18 Jul '19 </div> <p>Project Status - Project is on schedule, within scope, and budget.</p>
5	3	Direct Assessor Interface Phase 1	Upgrading the Tax Collection and Apportionment System (TCAS) will allow route the data files to be routed directly from the Assessor's system, utilizing modern technology and bypassing the mainframe. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="display: flex; justify-content: space-between;"> Sep '18 Jun '19 </div> <p>Project Status - The project to modernize the transfer of billing data between the Assessor's Office and DTAC Tax is on schedule and in active development. The combined team (ASR-DTAC) works very well together and we have completed two of the four major milestones in this project (roll correction and supplemental front end interfaces). We are currently full speed on replacing the data transfer of the annual rolls and expect to have that accomplished in June 2019.</p>
6	3	DTAC Collections System Upgrade	This upgrade will facilitate and implement the consolidation of all of Department of Tax and Collections collection activities within a single system. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="display: flex; justify-content: space-between;"> Sep '18 Dec '19 </div> <p>Project Status - The RFP responses are due from bidders on 4/1/19. The evaluation committee will be briefed on 4/3/19 and have until 05/03/19 to complete the written proposal evaluations.</p>

Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
7	3	DTAC Trust Replacement Project	Enhancing the capabilities of the Tax Collection and Appropriation System (TCAS) will allow for better communication and collaboration with tax payers, business units and taxing jurisdictions by eliminating manual processes. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="text-align: right;">Sep '18</div> <div style="text-align: left;">Dec '19</div>  <p>Project Status - We are defining requirements and doing design work. We expect to begin coding in May/June and extend into the next fiscal year. One reason for this is because one of the systems that the trust will be interfacing with is the new collections system which is only in RFP stage and not expected to begin implementation until August 2019.</p>
8	3	QNXT Upgrade	VHP is currently out of compliance with its warranty on it QNXT system and need to upgrade the system to become compliant. VHP currently pays time and materials for any issue that needs to be address within the software as the vendor no longer supports product defects due to the outdated version of the software.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="text-align: right;">Jan '19</div> <div style="text-align: left;">Apr '20</div>  <p>Project Status - Pain point reviews have been completed, and business requirements have begun with all functional areas. The QNXT hardware build has been completed, and software install is in progress. Project plan has been published.</p>
9	1	ESA - Labor Relations CRM Tech Support	Enhancements to Labor Relations' internal portal and CRM system for electronic case management will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="text-align: right;">Aug '18</div> <div style="text-align: left;">Jun '19</div>  <p>Project Status - Responsibility for MS Dynamics has been transferred to a new Director in the IT COO's office. Plan to get to green - Knowledge transfer on the project's current status will be conducted with the new Director to address the issues.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
10		HHS migration to SAP ECC/PBF	<p>The Hospital and Health System (HHS) currently maintains its own financial records in detail within its own systems - Sun for GL, CPM for Budget. Sun and CPM sends summarized information to the County's Ledger system of record (SAP, PBF respectively).</p> <p>Because of this 2-system solution, the processing of financial information for HHS is not optimally efficient. Workflow includes manual/redundancies, and the processing calendar is difficult to synchronize between the two systems. This project will expand the County's SAP functionality to fully serve the existing Sun and CMP functions, with a target to eventually decommission the Sun and CMP systems. This will result in a smoother workflow, more efficient processing, easier to align calendars, and the avoidance of costs to run a separate Sun/CMP solution.</p> <p>A recent audit shared with the Board of Supervisors that it was difficult to tie the Sun/CPM information with SAP ECC/PBF. The Board supports this project.</p>	Department Funded Information unavailable	Department Funded Information unavailable	<div style="text-align: center;"> <p>Sep '18 Apr '19</p> <p>Initiate → Procure → Plan → Execute → Close</p> <p style="text-align: right; margin-right: 50px;">98% Complete</p> </div> <p>Project Status - Project is in Production and in the post implementation transition period as planned.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
11	3	Upgrade SAP PBF to SAP SBP	<p>The County uses SAP PBF as its system for budgeting formulation and reporting. SAP will cease to support PBF at the end of 2017, this will impact the County as the necessary support from SAP will be lost, improvements to the system will not be performed, and ability to serve evolving needs will be compromised. SAP has merged and replaced its PBF and BPC modules to create SBP. SBP comes equipped with enhanced usability and more capabilities than PBF. The project will implement the upgrade from PBF to SBP, and assess if any of the added features can be incorporated into the currently used functions.</p>	\$996,047	\$882,084	<p>Project Status - (Only narrative provided) Project is on track. Team to continue building reports in DEV and testing forms & reports in Both DEV and QAS environment. Team is also working on a cutover plan to prepare for system rollout. Security team is working on all the newly added roles and test in QAS</p> <p>The Budget of Analysis (OBA) team are planning on handing over PBF system on the week of 6/22. Once we close all forms and take over system, team will process all the year- end processes prior to giving system to BASIS team to upgrade to SBP. Team's goal is to get SBP PRD live and hand over system to OBA by July 23rd.</p> <p>Team is continuing working on Tier 3 reports, resolving post go-live bugs/issues and on going Production support. Team continue with SBP Production support and Tier 3 reports. Preparing for SAN environment for SBP SSO testing Working on OBA on new SBP requests.</p> <p>Team is looking into creating new CMB_CLB Budget year +1 forms per OBA request. This is to prepare for County closing budget year later than July, 2019</p>

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
12		Cashiering System	<p>Acquire and implement a cashiering system for use in the departments of the Finance Agency. This will initially be targeted for the new consolidated Department of Revenue and Tax. Currently, there is no cashiering system in place for the Tax Collector's Office or the Department of Revenue. Both departments currently handle large quantities of over the counter payments of all types including cash, checks, and credit cards. Without a cashiering system, the different types of payments are all handled with different process, some manual. The acquisition and implementation of a cashiering system will allow the development and deployment of consistent processes for handling all types of payments, better controls to reduce and eliminate mistakes, and a better customer experience.</p>	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

						Project Status and Timeline As of April 15, 2019
Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)		
13	4 Kronos Upgrade and Archiving	Kronos is the County's system of record for time keeping. The Kronos software supplier will cease to support the currently installed version of Kronos at the end of 2017. With the loss of Kronos support, the County will be compromised in its ability to add functions and serve future needs. Should there be an issue with the application, the process to collect information for time worked (payroll) and time off (benefits) will be at risk. Updates to the interfaces and upgrades to the operating system that hosts the application will continue, which increases risk to compatibility and stability. The project will also deliver improved features, including the ability to archive Kronos historical data. This will improve usability, processing and reporting efficiency - and enable the ability to retain records for a proper amount of time (avoid over-retention).	\$150,000	\$150,000	<p>Project Status - Approved project yet to start. Drafted pre-project actions, and defined tentative project execution/ run dates.</p> <p>Merged the FY18 (upgrade) and FY19 (assessment) 'Timekeeping' projects. The merged project will run from FY19 and FY20, budgets need to be rolled accordingly.</p>	
14	4 Scanning Due to Space Constraints	Developing the project management, business analysis, documentation of business requirements to prepare for the eventual mapping/indexing and scanning of the existing 1.8 million pages of documents in ESA. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$333,400	\$260,955	<p>Project Status - Approved project yet to start. Evaluating the use of outside scanning vendors</p>	
15	4 Update of County's Central Time Management Solution	The update to the County's time management system will include new features and improve stability.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project preparations underway until May. Scope and schedule to be confirmed during May. Kick off expected during May or June. Given the late FY19 start, most of the project budget will need to be rolled to FY20.</p>	
16	3 Classification Studies & Modifications Database	A classification studies database will manage classification studies and modifications within ESA.	\$123,400	\$123,400	<p>Project Status - Approved project yet to start. Position has been acquired. Recruiting to start.</p>	

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
17	3	Replace IDM Image Repository	Replace IDM Image Repository (software application that stores scanned and imported images and documents, emails to support the Assessor's office) through RFP Process. We need funds in reserve to get the RFP Process started.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
18	3	SAP Business Analytics for HHS	A new analytics tools will improve the quality of business analytics performed on SCVMC's financial and operational systems providing management and executives with better information for timely decisions. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$50,000	\$50,000	Project Status - Approved project yet to start. Most of the project will be performed during FY2020, after charter, plan, and kick off during late FY2019. Project funds will need to be rolled.
19	3	Tracking Performance Evaluation Forms	Developing a performance appraisals tracking system will address the Grand Jury recommendation report from June 2017. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start. No TSS resources available.
20	2	ASR Replacement Assessment System	Developing business requirements, analyzing alternatives and performing pilots will prepare the Assessor's Office for a broader implementation project relating to the modernizing of the Assessor's Assessment System.	\$600,000	\$105,000	Project Status - Approved project yet to start.
21	2	Cloud Integration Gateway Upgrade for Ariba	Upgrading the Cloud Integration Gateway interface between the County's procurement and financial systems is needed because the current version is no longer supported by the vendor.	\$150,000	\$150,000	Project Status - Approved project yet to start.

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
22	2	Human Resources Recruitment Statistics Automation	A new reporting system will automate the aggregation data from NeoGOV, the County's employee management system, and the County's financial management system into a single recruitment report. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start. Waiting for resource to be hired.
23		E-Payment System Upgrade/Expansion	Upgrade and expand the E-Payment system used in the Tax Collector's Office. The tax collector currently collects over \$800 Million in property tax payments electronically each year. With the population becoming more tech savvy that number is expected to continue to grow in the future. This project is to acquire a more modern e-payment solution with the ability to accept a variety of different types of electronic payments. This would also integrate into the cashiering system to give customers a single payment experience at the counter.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
24	4	Consumer Engagement/Newsletters	Require a vendor to produce member and provider communications for regulatory and accreditation purposes with potential to send print and email.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Project is pending VHP Executive prioritization. Vendor has not been selected.
25	4	Member and Provider Web Portals	Member and provider web portals will facilitate access for members, providers, brokers and employer groups to information on eligibility, claims status and authorizations and to comply with National Committee for Quality Assurance (NCQA) requirements. NCQA accreditation is a requirement to remain a Covered California Qualified Health Plan.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Project is pending VHP Executive prioritization. Vendor has not been selected and RFP currently not planned.

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
26	3	Broker Commission Automation & Portal	A broker portal, providing insurance brokers the option of self-service, access and control over their book of business, will improve efficiency.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Vendor has not been selected and pending VHP Executive prioritization.
27	3	PayNearMe	This method will allow Covered California and Individual and Family Plan members the ability to pay premiums online, via a mobile app and at local CVS and 7-11 retail stores. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Project is pending VHP Executive prioritization. Vendor has not been procured.
28	2	California Immunization Registry (CAIR) Data Feed	Creating an interface to the California Immunization Registry will improve quality of care and ensure that members receive timely, effective, and efficient care. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Project is pending VHP Executive prioritization.

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
29		Redesign Business Processes for Employee Lifecycle	This request is to create an overall strategic Road Map involving ESA, Finance Agency, and ISD to capture gaps and risks and prioritize organizational business objectives as well as functional and technical requirements needed to support an efficient employee life cycle. This unified and strategic Road Map for the employee life cycle will enable the County to plan and implement integrated and cohesive technology and process improvements over the next several years. The approach is process focused, including a prioritization of resources at ESA, Finance Agency and ISD, to improve employees experiences and increase efficiencies in hiring, onboarding, payroll administration, benefits administration, as well as separation and retirement. Deliverables will include an overview of the "As-Is" landscape, gap analysis - highlighting today's pain points/issues and a recommendation of the "To-Be" solution, including software recommendation, implementation cost, timelines etc., and a Road Map of prioritization. Consultant fees will include the creation of this business case and will also provide help in the RFP. vendor selection and possibly in	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold
30	3	Property Tax E-Comm Project	A new property tax tool will allow taxpayers to pay property taxes online and access other property tax information. Requested features include text message notifications, paperless billing, and other subscription communication services. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Development & Round 1 QA & integration testing is done. Round 2: Integration testing, functional testing, and defect fixing in progress.

**Appendix 2 - Portfolio Status Report
Vertical: Financial and Employee Systems (FES)**

						Project Status and Timeline As of April 15, 2019
Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)		
31	3 Property Tax Mobile Application	A mobile application for County taxpayers will allow taxpayers to view balances, pay taxes, receive reminders, manage partial payments or multiple properties. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - The new SCC DTAC Property Tax mobile app is launched in Apple app store and Android (Google's Play Store)</p> <p>Press release - https://www.sccgov.org/sites/opa/newsroom/Pages/new-propertytaxmobileapp.aspx</p>	
32	2 Broker Appointment Intake through DocuSign	Update and automation of the County's digital signature process used to appoint brokers will improve efficiency. The system will include data validation, attachment management, and signature routing in one process.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - This effort was completed.</p>	
33	2 VHP Network Website	A web portal will provide consumer information for non-commercial products (e.g. Medi-Cal, PCAP, Healthy Kids, and Valley Kids) with the goal of reducing inbound calls to Member Services. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - This effort has been completed.</p>	

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
1	4	HHS - Microsoft Desktop Upgrade Windows 10	Windows 10 Upgrade for HHS	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="1015 325 1567 483"> </div> <p data-bbox="1015 598 1567 1207"> Project Status - The overall project status improves to watch. Completed testing critical applications on AMD chipset. Windows 10 deployments at HHS started from 6/18/2018 and according to the published schedule (54% Complete). Application upgrade is in place as part of the mitigation plan for applications that are not Windows 10 compliant. Windows 10 upgrade will take place either as part of the application upgrade or after the upgrade/mitigation. We have completed the hiring of extra-help required for the HHS deployment. Plan to get to green: 1. Escalate and follow-up on the hardware purchase shipments. Explore options to roll-out devices with AMD chipsets. Schedule in-place upgrades where possible. 2. Hire extra-help resource and hire them to full capacity of 10 from 7. 3. SSO and Microsoft license issues - Decision made to deploy SSO/Launchpad devices with OWA (outlook Web Access) Only. </p>
2	4	Hospital Integration	The County of Santa Clara (SCC) has acquired O'Connor Hospital (OCH), St. Louise Regional Hospital (SLRH) and DePaul Urgent Care Center (DPH) to extend offering of a wide range of health care services to the residents in both Santa Clara and San Benito counties. The Scope of this Program is to implement HealthLink and other IT systems/applications in OCH, SLRH and DPH. In order to implement/extend SCC application/systems to the newly acquired hospitals, the underlying work includes network and server infrastructure upgrade, implementation of over 2000 new End-User-Devices (computers, WOWs, printers, scanners etc.), patient data conversion, retention of historical data and training.	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="1015 1249 1567 1396"> </div> <p data-bbox="1015 1480 1567 1900"> Project Status - The overall Program Status is Yellow due to the work that needs to be done on multiple critical paths, including: HealthLink workflow deep-dives for Ancillary Systems, HealthLink production server move from AOB to Sobrato Pavilion Data Center, Biomed equipment purchase and deployment, contracting required for the third part applications and procurement of End-User Device and capital IT equipment. Plan to get to green - Hospital Integration Program leadership team is working closely with respective department heads and executive leadership to expedite contracting, procurement of IT equipment and workflow definitions where needed. </p>

Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)

Tier		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	4	Patient Safety Net Installation	Installation of patient safety net and oximeters to all medical and surgical patient care units.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - The overall status has remained Yellow due to construction delays for 3Surg Overflow and the vendor's availability to provide training, the new go-live is tentatively scheduled for May 8, 2019. The project will be closed out after 3Surg Overflow implementation. Masimo device install is schedule to start in April, 2019.</p>
4	4	Philips Fetal Monitor Integration with HL	The fetal monitors have been installed and are integrated with GE/Centricity. The department would like to explore if and how this data can go into HealthLink instead because there is additional cost and resource to maintain the GE/Centricity system.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - Project overall health is in Yellow status now. Philips vendor has already signed-off on final contract. Contract was being reviewed by SC County Counsel for final sign-off. Due to a change in contract indemnity, there is a new set of county approvals (primarily C levels) in order to complete contract sign off. This will cause the project to potentially start 2 months after the anticipated start date, April 2019.</p>
5	4	Real Time Location System Replacement	The HHS' Real Time Location System (RTLs) needs to be expanded into the new Sobrato Pavilion to allow hospital staff to track medical equipment.	\$56,800	\$56,800	<p>Project Status - The overall project status declines to Yellow due to Procurement's request to do an RFI first to determine which hosting option (County or Vendor hosted) we want to move forward with before we can do an RFP. Currently working on drafting the RFI for Procurement's review.</p> <p>Plan to get to green - Project team to work with Procurement buyer to ensure finalization of the RFI stays on track for submission on BidSync.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

Tier		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
6	4	Resp. Care Masimo Pulse HL Interface/Philips Upgr	County and SCVMC has signed a new capital equipment and committed use contract with Masimo Corporation. Total install of 235 oximeters, 84 hand-held and 8 wireless portable monitors. Contract also includes Patient Safety Net monitoring of 88 beds (2 patient care units) which provided for a telemetry type, wireless monitoring that will alert healthcare provider if/when a patient desaturates. All Masimo equipment is compatible with HL and will need to be integrated through interfaces which will allow seamless and wireless communication between Masimo equipment and HL. Before Masimo's A05 module with Rainbow technology can be utilize, all existing Philips monitors need to be upgraded to the latest software, hose-wide, in any area that currently uses a Philips monitor. Also, Philips needs to upgrade their surveillance network from ver. A to ver. B.02.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Dec '15 Feb '20 </div> <p align="center">82% Complete</p> </div> <p>Project Status - Overall status is Red. The original go-live was delayed due to issues with vendor performance in terms of providing the right resources for the project. The revised go-live date is February 26, 2019, however, the first availability for the OR team is March 20th, 2019. The PM will meet with the stakeholders in the Fall 2019 to establish a new timeline. This project be placed 'On Hold' until it is picked up again for execution.</p> <p>Plan to get to green - Project Manager will set-up a meeting with the Vendor and HealthLink team to discuss new timeline.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
7	4	VMC Ambulatory Video Visits Technical Solution	<p>Implement enablement of video visits for VMC patients that is easier, secure and integrated with HealthLink for billing. Following are the details of requirements/goals will be met after implementing this project:</p> <ul style="list-style-type: none"> o Enablement of Video visits o Formal Consultation - Physician to Patient Consult o Ability for a remote provider to consult with a colleague o Rehab Center - Ability to consult discharged spinal-cord injury patient consultations using video o Custody - Ability to schedule follow-up video visits with patients at potentially several locations at the jail o BHS and BHS custody - Ability to consult providers who are in custody facilities and outside with SCVMC o Telestroke - Ability to consult out into the field with paramedics o Homeless health and residential - Ability to remotely consult with homeless clinics 	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <p align="center">July '17 Nov '19</p> <p align="center">29% Complete</p> </div> <p>Project Status - Reporting project overall status Yellow. Single Source request with vendor Vidyo have been approved and contract has been signed on Feb. 2019 yielding a 20% overall discount for the products and services. The project will be managed and implemented by the HealthLink program team as part of the HealthLink portfolio.</p> <p>Plan to get to green - Engage HealthLink Program Manager and re-plan the deliverables</p>

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

		T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
8	4		VMC Enterprise Staff Scheduling System Solution	Seeking an RFP to evaluate and implement a SCVMC Enterprise Staff Scheduling System that can meet the functional needs of the Physicians, Nurses and Pharmacists. SCVMC does not have a standardized scheduling system to assist management with allocation of staff time to meet the needs of clinical operations. Nursing currently uses two systems, one for scheduling and staffing, one for patient acuity. Title 22 requires that acuity drive staffing. Current systems are not integrated nor are they linked to the EMR and current timekeeping system. The current paper system used for physicians increases the risk of errors and does not allow tracking and verification of physicians' time. Clinical staff such as pharmacists also lack a standardized scheduling system.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="text-align: center;"> <p>Mar '16 Aug '19</p> <p>Initiate → Procure → Plan → Execute → Close</p> <p style="color: blue;">80% Complete</p> </div> <p>Project Status - The overall project status remains Red. Currently the project is on-hold. The 60 day notice has been approved by Procurement/County Counsel and sent out to the vendor. The vendor have till ~ 5/27/19 to provide us a solution. If not, we can proceed with the contract cancellation. Will not be reporting on this project until it is picked up again with a decision/solution in place.</p> <p>Plan to get to green - Work with vendor and Procurement to mitigate the issues and decide on the next steps.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
9	4	VMC PACS Upgrade	Project brings Radiology IMPACS system to the latest version of Software which includes a refresh of multiple servers that are over 5 years old.	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="1008 331 1572 485"> <p>Aug '15 On Hold</p> <p>Initiate → Procure → Plan → Execute (76% Complete) → Close</p> </div> <p>Project Status - The current project status remains at watch. Radiology, PACS vendor and Hospital Integration team have conducted a 2-day discovery visit at St. Louise and O'Connor hospitals. Following these events, the vendor is expected to provide SOW and quote to review and amend the contract. The Hospital Integration team and Radiology have also agreed to a two-phase implementation plan. As priority is given to Hospital Integration projects, agreed to significantly scale down efforts on the current VMC Upgrade so project resources can be redirected to these initiatives. As of April, 2019 all scheduled tasks will be placed on HOLD in Planview.</p> <p>Plan to get to green - A Project Decision Document will be submitted to include the additional scope (O'Connor, St. Louise and De Paul Outpatient Center) for Phase II and new go-live date when a firm GA date for EI 8.1.4 is provided in May/ June timeframe.</p>
10	3	Enterprise Imaging Archive	The vision for an SCVHHS Enterprise Imaging Strategy is to enable electronic access to any medical image, anywhere, anytime by caregivers across the care continuum – inter and intra health system(s) fostering true interoperability and positively impact both the clinical and business side by improving patient care and health outcomes as well as streamlining operations and maximizing insurance reimbursements under accountable care. This project, therefore, is about the selection, procurement, and eventual implementation of the most optimal VNA system for SCVHHS.	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="1008 1234 1572 1402"> <p>Jun '17 Jul '20</p> <p>Initiate → Procure → Plan (51% Complete) → Execute → Close</p> </div> <p>Project Status - The overall project status declines to red. The installation at Data Center 1 (Sobrato) is complete), Data Center 2 (Berger Dr.) is delayed, getting back on track requires that all VMs and NAS storage are available for the vendor to configure, ASAP. Will work with the technical team to expedite the ordering process. A new go live date will be established after completion of this milestone.</p> <p>Plan to get to green: Getting back on track requires that all VMs and NAS storage are available for the vendor to configure ASAP. The PM will work with the technical team to expedite the ordering process. A new go live date will be established after completion of this milestone.</p>

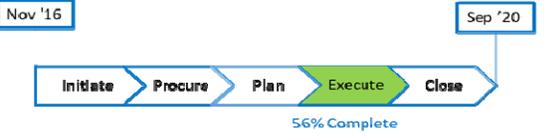
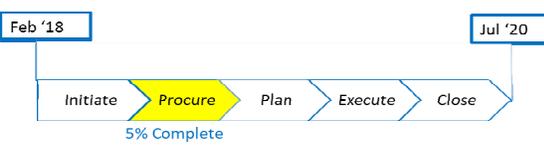
**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
11	3	HHS Governance, Risk & Compliance (GRC) Solution	SCVHHS Ethics & Compliance Office is seeking a software solution to manage health care regulatory compliance and risk across the enterprise. The solution should be capable of addressing a wide range of compliance areas, including revenue cycle, claims audits, policy management, privacy, conflicts of interest, internal audit, enterprise risk management, contracts, and fraud, waste and abuse.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - The overall project status remains satisfactory. Successfully went live on 3/21/2019.</p>
12	3	New Integrated Library System	A new integrated library system will replace the existing static database currently in use.	\$333,600	\$333,600	<p>Project Status - This project consist of replacing the legacy Hospital Medical Library system. Procurement is still working on final draft. Reviewing impact of adding the two acquired hospitals into the RFP scope. Project sponsors are following up with Library senior leaders.</p>
13	3	Pacemaker Database System	The current pacemaker database system is out of compliance with regulatory requirements and improve its usability and needs to be replaced.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - Sole source approval to purchase Medtronic Pace Art System was approved on 11/26/2018. Contracting in progress. Initial review of the Terms & Conditions completed.</p>
14	3	PHD: ESSENCE Syndromic Surveillance MU	Syndromic Surveillance Meaningful Use project is for a new contract upgrade, hardware; implement real-time HL7 ADT interfaces, testing and validation of data submissions.	Department Funded Information unavailable	Department Funded Information unavailable	<p>Project Status - The overall project status is satisfactory. Secured funding commitment from Public Health Finance Health Finance to roll-over funding from FY18 to FY19 budget to cost center 2904. Vendor is re-engaged to support HL7 interface updates to meet Meaningful Use Stage 2 requirements.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
15	3	Public Health Integrated Health System - Solution	RFP and implementation of a Public Health Integrated Health System (PHIHS) Solution. Current County-owned system that functions as the Public Health Master Client Index and gives the ability to do client tracking across the Public Health Integrated Health System (PHIHS) was developed by Envision Technology Partners, Inc. and went live for data entry in 2003. Current vendor support for PHIHS ended effective 6/30/2016.	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="1008 323 1568 464"> </div> <p data-bbox="1008 575 1568 793">Project Status - This project status remains satisfactory Conduct Procurement Phase -</p> <ol data-bbox="1008 638 1568 793" style="list-style-type: none"> 1. Contract negotiations still in progress 2. SOW third draft completed. Being reviewed by Procurement buyer due to pricing discrepancies 3. Contra Costa site visit completed 4. SOW final version to be completed by mid-April
16	3	VMC Cardio Cath Lab & Echo Storage System Solution	The AGFA HeartLab hardware and software system contract expired in Sept. '17. In order to meet the IT needs of the Cardiology Dept. in providing critical patient care services to utilize, store and access dynamic DICOM images from the Cath Lab and Echo Lab, a RFP will need to be processed. The current HeartLab system does not meet Cardiology Department's and Clinician's access and utilization requirements. The proposed system requires software to automatically check and correct duplicate Medical Record numbers, also to ensure patient studies are accessible to Clinicians for accurate diagnosis. This improved functionality will minimize loss of patient data if the current system fails and cannot be fully restored. The new system requires EPIC interfaces with ADT inbound and outbound, EPIC orders to the worklist manager on ECHO carts and GE Cath Camera and inbound/outbound LCR interface to Openlink.	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="1008 840 1568 980"> </div> <p data-bbox="1008 1705 1568 1797">Project Status - The overall project improves to green. All project resources are assigned the kick-off meeting is scheduled for mid-April, 2019.</p>

Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
17	3	VMC Nutrition & Food Serv Dietary System Solution	The Nutrition and Food Services Department currently uses the CBORD program to support patient meal delivery, cafeteria food management system that include point-of-sale registers and to produce printed reports which enable both the kitchen and the clinical staff to ensure patients receive the right meals and nourishments according to their diet orders. We would like to evaluate other programs with the hope of providing better, more accurate services to our patients.	Department Funded Information unavailable	Department Funded Information unavailable	 <p>Project Status - We are on track for Phase 1 and Phase 2 go-lives. Working on defining Phase 3 scope reviewing Network needs for Stella Servers.</p>
18	3	VMC Ophthalmology Imaging System Solution	Ophthalmology images are taken with retina cameras in Ophtho clinic, NICU, and Diabetes clinic. Currently the images are partially stored in the custom system (4D) built by our ophthalmologist and on the S drive. We need a comprehensive ophthalmology imaging solution that can interface with Epic and provide secure/accessible image management.	Department Funded Information unavailable	Department Funded Information unavailable	 <p>Project Status - The overall project status is green. The vendor PM is engaged, planning, and the server build is in progress. Next steps are to schedule the kick-off meeting.</p>
19	3	VMC Pharmacy - Bin Management	To implement a solution that improves the accuracy of drug dispensation at the Out-Patient Pharmacy Will Call Windows. Utilizing RFID technology to securely store patient prescriptions in a cabinet drawer segment unique for that patient until their prescriptions are picked up.	Department Funded Information unavailable	Department Funded Information unavailable	 <p>Project Status - The overall project status improves to watch. Met with the sponsor and discussed the plan to fund the project over the next three fiscal years; FY19-FY21. \$600K is already allocated from FY19. To get back on track the sponsor will need to work directly with the Enterprise Fund Budget Manger to secure \$1M from FY20 and submit a project request for \$500K when the FY21 project request process begins.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
20	2	CancerLinQ Quality Improvement Platform	The business needs CancerLinQ implementation to establish and monitor key clinical performance indicators, benchmark their patients to national cohorts, and automate data collection to comply with reporting requirements from QOPI, and potentially the state of California (Tumor Registry). This would lead to robust quality improvement and better patient care.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="text-align: right;">Aug '16</div> <div style="text-align: left;">Aug '19</div>  <p>Project Status - The project status remains Red. The vendor is requesting scanned documents and notes that have sensitive data (e.g. SUTS/DADS, Child Abuse, AIDs, Custody) as a new requirement for this project. The department will need funding to perform this task. Prepared a decision document and met with the internal stakeholders to discuss options. The decision was to put the project On Hold for a year or till the vendor can provide sample reports that proof their system can do the work that was stated. Will not be reporting on this project until it is picked up again for execution. Plan to reconnect with the vendor mid June for a status update on their progress.</p> <p>Plan to get to green: Schedule re-occurring monthly calls with vendor for them to provide timely upgrade updates on the progress they are making in order to set a mutually agreeable plan to move forward.</p>
21	2	VMC PMM Upgrade	Upgrade PMM to version 16	\$333,643	\$333,643	<div style="text-align: right;">Jul '15</div> <div style="text-align: left;">Jun '19</div>  <p>Project Status - The project status remains satisfactory. User Acceptance Testing with Purchasing, Receiving & Inventory Management, Requisitioning, OR and Account Payable has concluded.</p> <p>End User & Admin Trainings are scheduled from April 15th thru April 30th.</p> <p>A Change Order has also been submitted for the VMC PMM Upgrade go-live on May 18th, 2019. An Activation Plan is being finalized outlining the tasks leading up to the cutover that starts on May 17th, 4 PM.</p> <p>In addition, Hospital Integration Project - O'Connor & St. Louise PMM v.17 Contract Amendment & Implementation Services are underway.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
22	1	Stroke Clinic Rapid Image Viewing System	RAPID is a Linux-based system integrated into the DICOM network via TCP/IP, within the firewall that receives scans from scanner modalities and sends processed data to PACS and also sends de-identified (non-PHI) data via the SMTP (email) server to a predetermined email distribution list. All data are purged from RAPID after delivery to PACS.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Apr '18 Jul '19 </div> <div style="text-align: center; margin-top: 10px;"> <p>36% Complete</p> </div> <p>Project Status - Single Source Request to procure RAPID (Company: iSchemaView) was approved by Procurement. Currently going thru final stages of contract negotiation. Added O'Conner Hospital to the contract. No ETA from Procurement on sign-off date.</p> </div>
23		Nursing Administration - Patient Video Surveillance	RFP and implementation of a Patient Video Surveillance Solution to help reduce costs by eliminating the need for 'SITTERS' in all adult inpatient units.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> June '18 Mar '20 </div> <div style="text-align: center; margin-top: 10px;"> <p>46% Complete</p> </div> <p>Project Status - RFP publication in progress. eRFP was drafted and now with procurement management for final review. Also Compliance and Privacy team is working on surveillance regulations for patients.</p> <p>Plan to get to green - Not able to publish the RFP as scheduled. Initial date to publish was 11/2018. New RFP was drafted and now with procurement management for final review. Also waiting for surveillance team's approval to proceed. ETA on RFP publish is still TBD.</p> </div>
24	4	HealthLink Chronic Dialysis	Implement software to allow the dialysis Department to manage and track quality improvement initiatives and automates dialysis charging.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
25	4	HealthLink Customer Relationship Management	Provide an integrated solution to track customer service inquiries, responses and follow ups required.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
26	4	Healthlink Transfer Center	Implement a module that synchronizes data between a patient movement request and the patient's hospital encounter eliminating duplicate data entry.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
27	4	PHD Phase II Web Improvements	Redesign of the public web presence for the Public Health Department will improve search capabilities and provide capabilities to increase social media interaction. This project will be implemented with existing resources.	\$183,400	\$183,400	Project Status - Approved project yet to start.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
28	4	VMC IP/OP e- Prescribing	Electronic Prescribing of controlled substances via HealthLink using a third party for dual authentication as legally required by the DEA.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
29	3	HealthLink Bones (Ortho)	Upgrade the EpicCare Ambulatory platform for orthopedics to accelerate routine office visit workflows, improve ordering, and gather data for submission to the American Joint Replacement Registry (AJRR).	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
30	3	HealthLink Rehab	Implement a module allowing therapists an appropriate workspace to document therapy minutes, review therapy information, simplify charge calculations and g-code documentation.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
31	3	PBS Passport Health	Insurance eligibility verification (e-notification) and plan-specific benefits information confirmation before services are rendered.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
32	3	VMC Enterprise Provider Scheduling System Solution	Seeking an RFP to evaluate and implement a SCVMC Enterprise Staff Scheduling System that can meet the functional needs of the Physicians, Nurses and Pharmacists. SCVMC does not have a standardized scheduling system to assist management with allocation of staff time to meet the needs of clinical operations. Nursing currently uses two systems, one for scheduling and staffing, one for patient acuity. Title 22 requires that acuity drives staffing. Current systems are not integrated together nor are they linked to the EMR or the current timekeeping system. The current paper system used for physicians increases the risk of errors and does not allow tracking and verification of physicians' time. Other clinical staff such as pharmacists also lack a standardized scheduling system.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. One of the biggest limitation with the application is it cannot manage both dollars and hours. Vendor will be required to build an interface to successfully integrate Qgenda with Kronos. This limitation of Qgenda is causing us to put the project on hold due to extra resources that will be required.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
33	2	Credentialing for Nurses & Ancillaries	A new credentialing system will be the single repository for all professional credentials and certificates in HHS and automatically refresh downstream scheduling and learning management systems.	\$50,000	\$50,000	Project Status - Approved project yet to start.
34	2	OPPE Medical Administration	Creating the required reporting system will facilitate SCVMC compliance with ongoing provider performance evaluation (OPPE) for medical staff. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
35	2	Pharmacy Kit Check	A new system is needed to ensure 100 percent accurate contents when delivering refilled kits and anesthesia workstations trays to providers.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
36	2	Prescriptive Patient Flow Notifications	The business needs a analytics tool to help to resolve the critical challenges of patient flow throughout the hospital.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
37	2	Primary Care Access Program On-Line App ECM	Enhancements to the Primary Care Access Program (PCAP) application, with a focus on reporting, will improve efficiency. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
38		HHS IS AOB Computer Room UPS Upgrade	Upgrade AOB computer room Uninterruptable Power Supply (UPS). Current system is end of life and must be replaced.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
39		HHS IS Master Patient Index (MPI) Solution	RFP and implementation of a Master Person Index solution for HHS Enterprise.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
40		HHS IS Storage Area Network (SAN) Storage	Additional Storage Area Network (SAN) space to support DataArk Legacy Data Archival project requirements.	\$1,880,000	\$1,472,448	Project Status - Approved project yet to start.
41		HHS IT Infrastructure Refresh	Refresh infrastructure network switches, wireless network, servers, SAN storage, workstations-on-wheels (WOW's) and other related IS equipment to support HHS operations.	\$1,880,000	\$1,472,448	Project Status - Approved project yet to start.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget <small>(As of April 15, 2019)</small>	Project Status and Timeline <small>As of April 15, 2019</small>
42	4	HL-VMC HL Community Connect	Implementation of Community Connect for the Community Health Partners (8 organizations, 28 sites and ~300 end users). Implementation costs for Epic and Consultants included in one-time costs. Operational Costs include FTE's and maintenance for 3 years (FY19,FY20,FY21)	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
43	4	Interface Engine for Cerner OPENLink	RFP and implementation of interface engine to term the contract with Siemens for OpenLink	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Project is temporarily on hold as PM was reassigned to support Project Phoenix, which is highly critical to Santa Clara county. A replacement PM is expected to restart this project again toward the end of April, and will lead to the issuance of a RFP. As reported last month, the Healthlink Interface resources were pulled to work on Phoenix project as well.
44	4	Trust Community - Health Information Exchange	Development of the Trust Community is critical so that a complete picture of utilization and identification of the highest utilizers of multiple systems can include data beyond that included in Santa Clara Valley Medical Center's HealthLink electronic health record. The Trust Community, care plans would be coordinated allowing for better targeted outreach to WPC enrollees.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
45	4	VMC/VHP Physician Credentialing	This credentialing system provides compliance with the Centers for Medicaid & Medicare Services (CMS) and The Joint Commission (TJC) requirements for Ongoing Professional Practice Evaluation (OPPE), Focused Professional Practice Evaluation (FPPE), Telemedicine, and Peer Review. This also efficiently manages the appointment, reappointment, and privileging processes. The system allows compliance to all CMS, TJC, and National Committee for Quality Assurance (NCQA) standards. The system maintains compliance to CMS, TJC, and NCQA standards as they change in the future	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. VMC has decided to move forward with MD Staff Credentialing Solution. The Cactus VMC cleanup for VMC providers has been suspended. Meeting with VMC and VHP leadership to understand next steps.
46	3	VMC Pharmacy - Script Pro Automated Dispensing Sys	For dispensing medications for future Keep-On-Person medication program in the Custody Pharmacies.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
47	3	VMC Retinal Screening Machine	Replacement of screening machine for diabetes	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
48	2	Additional Drive space for EEG Server	Additional Drive space for EEG Server	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
49	2	Endobronchial Ultrasound Bronchoscopy Purchase	Endobronchial Ultrasound Bronchoscopy System(EBUS)Purchase	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
50	2	Nursing Administration - CADD Infusion Pumps	Upgrade of the CADD pumps to become a wireless pump.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
51	2	Optos Camera System Upgrade	The image workstation that currently hosts the images from the Optos camera will be moved from the Optometry department to the data center.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
52	2	VMC Cardiology Events Monitor Upgrade - Lifewatch	The Cardiology Dept staff uses Event Monitors as part of the Electrocardiogram services for patients. The current Events monitoring system is end of life. King of Hearts Event monitors are repaired only by one vendor located in Oakpark Illinois. Limited parts available currently for current repair and will expire before end of 2015. Therefore, need for software and hardware solution for 20 event monitors and software capability to interface with current ECG system called CardioServer (vendor - Epiphany). System requirements include software solution for wireless and transmission of information functionality. System should also have software capability to be reviewed by EKG Cardiology Technician and then data will be transmitted to CardioServer system.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Project restarted as planned in Jan 2019. Met with the vendor and internal management for resource assignment and received approval to move forward. Met with the cardiology team and decided on products. Management requested to complete the project before the Hospital merger project. Vendor has not yet provided the resources, so project may span after April. Discussed the project priority with Business and business agreed to put the project on HOLD.
53	1	Ambulatory - Echo Machine - Bascom Pediatrics	An upgrade to existing portable machine. Deferred to FY 2018;Managed by pediatric cardiologists. Echo UltraSound images are currently on the network.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
54	1	Ultrasound_Bascom OB-GYN	Bascom OB/GYN HC Manager states that the item is already purchased and installed. Unit does not currently store images but suspects that there IT-related scope of work pending.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.
55		VMC Alarms For Telemetry Solution	Through use of Vocera or other technology (Pagers or Apple Touch) would have ability to send alarm signal and telemetry readout to nurses caring for patients requiring telemetry monitoring.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold. Current project status is on hold the Executive Sponsor is no longer with SCVMC. To get back on track will contact the project requestor to determine if the solution is still needed.
56		VMC Renal Care-CyberRen Upgrade	This is a request to upgrade CyberRen to next version	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - On Hold.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
57	4	Behavioral Health Services Practice Manage Sol	To Procure and Implement a Practice Management System (PMS) that includes: Provider Billing, Managed Care, Credentialing and Capacity Management as well as establish Electronic Data Interchange (EDI) for County Service Providers (CSP) and HealthLink resulting in improved clinical and administrative outcomes for consumers receiving services from Behavioral Health Services and the network of CSPs	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Closed.
58	4	Sobrato Pavilion (Bed Building 1)	Santa Clara Valley HHS is opening a new 168 bed hospital (Sobrato Pavilion) in the fall of 2017. This endeavor will require implementing over a dozen new or improved IS systems for patient care and positive patient experience, including but not limited to Biomedical Devices, Telemetry Systems, Real Time Location System, Nurse Call System, Patient Safety and Security Systems, Patient Entertainment Systems and many others. Migrating HealthLink infrastructure (Servers, Storage and Network) to new bed building is also part of this program.\n	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Closed.
59	3	HHS IS Epic MyChart Bedside	Implementation and subscription for MyChart Bedside (patient engagement tool for Inpatient patients	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Closed.
60	3	HHS IS Epic Tapestry	Implementation of Tapestry for HHS (VMC & VHP) for managed care, enrollment & benefits, utilization review, chronic disease case management and PlanLink. Implementation costs for Epic and Consultants included in one-time costs. Operational Costs include FTE's and maintenance for 3 years (FY19,FY20,FY21)	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Closed.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
61	3	PHD Open Data Portal		Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed. The PHD Open Data Portal went live on September 4, 2018.
62	2	Behavioral Health Services TeleForm Expansion	SUTS needs this TeleForm Expansion to support the California Medi-Cal (1115) Waiver to expand its services to the Medi-Cal beneficiaries. This project will assist in data collection outside of the EHR.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed
63	2	EPIC 2018 Hardware Upgrade	Upgrading the HealthLink (EPIC) server will meet EPIC 2018 requirements for the anticipated November 2018 system update launch.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed. Hardware Upgrade(infrastructure) for EPIC was completed on Nov. 2018 as scheduled.
64	2	Public Health - Vital Records Banknote System	A Public Health Vital Records Banknote Management System is needed to improve staff productivity by providing multiple staff members with the ability to simultaneously access of birth and death records stored in manner that can be referenced appropriately against State systems for security and accountability. A new cashiering system will reduce redundancies and delays via an automated system for all customer transactions performed.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed
65	2	Therapy Services Pt Scheduling System Software	The Therapy Services Patient Scheduling System Software is an inpatient scheduling and treatment management tool that will support Therapy Services to meet the reimbursement standards set forth by CMS/Centers for Medicare & Medicaid Services for inpatient rehabilitation treatment. The system tracks daily treatment times and flags patients who require additional therapy. The system interfaces with HealthLink in ADT segment and also generates printed treatment reports.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed GO-LIVE completed as planned on 11/19/2018. Resolved all issues related to implementation.

**Appendix 2 - Portfolio Status Report
Vertical: Health System (HS)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
66	1	HHS Computer Assisted Coding Software Solution		Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed Project is completed and transitioned to application and vendor support.
67	1	InSight Sepsis Study	Current sepsis mortality range for VMC is 14-19%, would like to bring it down to 7-10% if not lower.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Closed. Leadership team, under legal team's advice, decided to pursue full RFP instead of doing POC/research study with Dascena Internal MOU draft completed, can be leveraged partially for the upcoming RFP
68	1	Nursing Administration - Epic Rover for iOS phone	Epic is the vendor. This is a bedside charting and scanning system. Record documentation and barcode validation at the point of care.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed
69	1	PHD EMS Data Replication Infrastructure		Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed Expanded infrastructure and storage capacity successfully to store daily encrypted downloads of the large database.
70	1	WIC Health Messenger Solution Implementation	Enable text, email and voice messaging capability to enhance outreach efforts to WIC clients for compliance.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed. System went live on March 11, 2019
71		Varian 13.7 Software & Hardware Upgrade	This is a software upgrade from ARIA oncology information system (OIS) for Radiation Oncology (RO) v11.0 to v13.7 with an existing SSA.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Completed. Varian implementation was completed without need for unplanned resources. Project on budget.

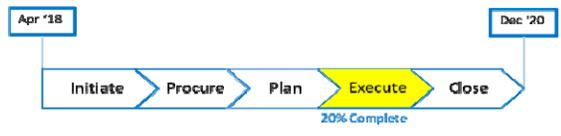
**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
1	4	PSJSP	Public Safety and Justice - Program Administration	\$2,098,174	\$864,428	<div style="display: flex; justify-content: space-between;"> Aug '14 Jul '21 </div> <p>Project Status - The program office administrates the following for all Public Safety and Justice projects: Communications, Organizational Change Management, Program Strategic Planning and Scheduling, Requirements Management, Architecture and Standards, Risk Management, Employment, Staffing Assistance and Assignment, Procurement and Contract Compliance, Testing and Quality Assurance Oversight, Continuous Training and Education, Budget Management and Oversight.</p>
2	4	Court/Tyler - CSM	Santa Clara County Superior Court is currently in the process of migrating from the CJIC platform into a new Criminal Case Management system; Tyler Odyssey. The separation of the Court function from CJIC represents a near fatal impact to the functionality that CJIC provides today to over 4,000 users in the criminal justice community. This project will integrate Tyler Court data into CJIC to ensure the application can continue to be operational for justice partners across the County. The current activities include data mapping, partner agency workflow and interface data exchange definitions, data conversion and business process change management.	Part of County Justice Information Center	Part of County Justice Information Center	<div style="display: flex; justify-content: space-between;"> Oct '16 May '19 </div> <p>Project Status -</p> <ul style="list-style-type: none"> Reviewed list of fields defaulted to CJIC values when not provided by Odyssey (including demographic information) with the LEA's. LEA preference is to receive this information from the Court or leave it blank on the Warrants. Confirmed update of CJIC Addresses with new Warrant Addresses (making them available to JPLR). Staged second component for automated status updates of validated Warrants from 'Entered' to 'Active' status for scheduled execution Identified the possibility that correction of Complaint Agency assignment (1/14) by the Court introduced a Complaint Agency issue on CJIC Warrants <p>Plan to get to green: Closedown pending resolution of Warrant issues by the Court. TSS continued automated status updates of validated Warrants from 'Entered' to 'Active' status.</p>

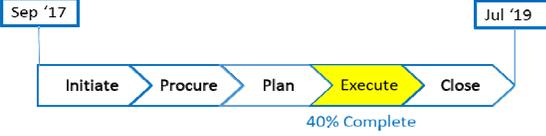
**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	4 Enterprise Master Indices - Code Tables (EMI)	Establish reference repository (master data indices, code values and terminology) that will exchange data via the PSJSP Information Sharing Environment (ISE) and put in place a governance processes to ensure on-going support and maintenance of codified databases for all systems, sub-systems or components of systems.	Part of County Justice Information Center	Part of County Justice Information Center	<div style="border: 1px solid black; padding: 5px;"> <p>Aug '16 Oct '19</p> <p>Project Status - The project is in the Execute phase as the team has completed installing the product on the development server. The data modelling is close to completion. Team has also finalized the Test and Production server architecture for cloud installation. Plan to get to green - Finalize the WSDL and complete the connectors.</p> </div>
4	4 PSJ Data Exchanges (PSJDX)	This project seeks to address the need to track and sequence, according to priority, data exchange requests for delivery by the development team(s).	Part of County Justice Information Center	Part of County Justice Information Center	<div style="border: 1px solid black; padding: 5px;"> <p>Aug '16 Apr '19</p> <p>Project Status - The outstanding items in the backlog for Development are Warrant (Update to ISE, SLETS, SJPD CAD Query), Probation - Post Sentencing Scanning (awaiting sign-off), Court - Hearing (UAT in progress), and DTAC/CUBs (now moving forward with the receipt of data sample from the Court) with Pretrial - Twilio placed on hold. The addition of Custody Health to the backlog is pending HIPPA compliance and authorization considerations.</p> </div>
5	4 PSJ Ops Support BI Solution	An integrated and automated approach for data extraction and reporting processes for Public Safety and Justice agencies will create efficiencies and bring the process into compliance with current security standards.	Part of County Justice Information Center	Part of County Justice Information Center	<p>Project Status - Initiate Phase; Project timeline for Discovery activities being updated. Met with proposed sponsor. Awaiting a decision on acceptance of being the business sponsor for the project. The Project Charter will be updated once we have a confirmed sponsor and stakeholder group. It will be then distributed for review to an extended group. Project timeline for Discovery activities being updated. A new project structure to be created within Planview to manage the project.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
6	4	PSJ: Single View Portal	Information Sharing Environment (ISE) is an enterprise system that enables data exchanges between all Santa Clara County Justice and Public Safety agencies, based on key business events. Additionally, PSJSP ISE provides capabilities to query, analyze, report, and monitor the information that agencies publish and subscribe to through the data exchanges. The participating agencies, as both data providers and consumers, are provided with APIs and modern web clients that enables data submitting and data consuming in the managed, monitored and secured information sharing environment.	Part of County Justice Information Center	Part of County Justice Information Center	 <p>Project Status -</p> <ul style="list-style-type: none"> •Completed second Application Development Sprint for Warrant •Identified the Warrant module as the primary Agenda topic for the upcoming Future State Demonstration Meeting •Identified Non-Custody Booking as the next priority for delivery <p>Plan to get to green -</p> <p>Resource - A second set of additional Business Analysts have been assigned to create Use Cases in place of User Stories that address the CJIC gaps. The Business Analysts have also been tasked with the collection of artifacts and the creation of mockups to support design.</p> <p>Schedule - A Change Request is pending to reschedule the completion of development.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
7	4 PROB Adult and Juvenile Case Management System	Replacement of Probation's unsupported Lotus Notes application.	Part of PSJ County Document & Evidence Exchange	Part of PSJ County Document & Evidence Exchange	 <p>Project Status - Probation CMS project is in progress of the Construction Stage. On-going meetings with the vendor is in progress to conduct: design, build, and unit test sessions.</p> <p>Project team and vendor are in progress of finalizing project schedule. Data Exchange team analyzed and prioritized interface development.</p> <p>TSS and Probation in progress of finalizing master control agreement (MCA). Information Security Office has scheduled Security Workshops to complete Network Diagram and Cloud Security Matrix. Revised dates for when these items are expected to be finalized for CA DOJ Submission to be provided in April, 2019.</p> <p>Plan to get to green - Change Order will need to be processed for:</p> <ul style="list-style-type: none"> • Shift in project schedule to account for additional build groups. • There is also a delay on starting data migration effort with vendor due to compliance package needing to be approved by the Board. • Additional Resourcing is needed for the project to expedite DED and deliverable review to meet contract obligations.
8	4 CJIC Decommissioning/Gap Analysis	Identification of features and functions addressed by the Court's Case Management System and by Sheriff's Office Jail Management System and comparison with those of CJIC. Remaining items, identified as gaps, will be analyzed to identify a proposed resolution for each. Each gap will then be addressed by an associated sub-project rolling up to this project for the overall monitoring of activities for delivery.	Part of PSJ County Document & Evidence Exchange	Part of PSJ County Document & Evidence Exchange	 <p>Project status - Moved to PSJ: Single View Portal (ISE Phase 2) for Warrant</p> <p>Plan to get to green - Resource - A second set of additional Business Analysts have been assigned to create Use Cases in place of User Stories that address the CJIC gaps. The Business Analysts have also been tasked with the collection of artifacts and the creation of mockups to support design.</p> <p>Schedule - Schedule delays appear to be due to rework. Business Analysts have been asked to identify causes for delays and also the plan to address. A Change Request is pending to reschedule the completion of development.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
9	4	JMS Custody	Procurement, implementation and support of a new Jail Management System for the Sheriff's Office.	Part of PSJ County Document & Evidence Exchange	Part of PSJ County Document & Evidence Exchange	<div style="display: flex; justify-content: space-between;"> Jul '13 Oct '19 </div> <p>Project Status - Per direction of the County Executive, the project has been taken off of hold and is ramping back up.</p> <p>Plan to get to green -</p> <ul style="list-style-type: none"> * Updated charter * Updated inception plan * Reengage vendor for environments * Change request * Re-baseline
10	4	PSJ County Document & Evidence Exchange System	The overall objective of the enterprise content management project is to automate and standardize the collection, storage, access and distribution processes for electronic content management in the County. By implementing an Enterprise Content Management (ECM) system, the County of Santa Clara will enhance the management of unstructured information throughout the records' lifecycle, from capture to indexing, retrieval, and authorized disposal or long-term preservation.	\$4,690,802	\$3,673,568	<div style="display: flex; justify-content: space-between;"> Jul '14 Jan '21 </div> <p>Project Status - The Project is continuing in the Procurement Phase. Vendor demonstrations have been completed. The negotiations memo has been approval.</p> <p>Plan to get to green - The current plan to get back to green would require a change request and the vendor's confirmation regarding the schedule for 3rd party tools.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
11	4 CAD-RMS (aka Cons Dispatch-Records Management)	<p>A multi-year project to replace both the existing Computer Aided Dispatch (CAD) system for County Communications and the Records Management System (RMS) for the Sheriff's Office with current state-of-the-art Commercial-Off-The-Shelf products. These new systems will provide significant improved emergency public safety response and services for the County. Legacy systems in use today are largely home-grown, obsolete, and custom solutions that are expensive to maintain and operate.</p> <p>This project will include the development of requirements for a Request for Proposal, a formal Procurement, and new System Implementation for approximately 2,000 Communications and Sheriff users. The new CAD/RMS consolidated solution will support Fire, Law, and Emergency Medical Dispatch needs within the County of Santa Clara. The primary County stakeholders supported are County Communications, Sheriff's Office, Health & Hospital System, Emergency Operations Center, Emergency Services, County Roads and Airports Department and 17 Public Safety</p>	\$4,050,745	\$3,001,203	<div style="border: 1px solid black; padding: 5px;"> <p align="center">Mar '17 Nov '21</p> <p align="center">Initiate Procure Plan Execute Close 34% Complete</p> </div> <p>Project Status - Approval of Finalist Memo is late and delaying start of negotiations County Executive's Office is conducting an independent corporate and financial review of the highest scoring proposer to decide whether to proceed into negotiations and implementation</p> <p>Plan to Get to Green - Third-Party accounting firm to be engaged to perform an independent financial responsibility review and report</p> <ul style="list-style-type: none"> - If Executives direct to proceed after reviewing the report + Approve Finalist Memo + Review and prioritize delayed-start tasks and parallelize activities as can be efficiently executed - If Executives direct not to proceed, determine next actions
12	4 VHF Conventional Radio Simulcast System	A back-up radio network is needed in case of primary system failure or in the event of a catastrophic occurrence.	\$1,866,579	\$591,827	o Continue Discovery Stage activities to complete Stage Gate tasks
13	3 Public Key Infrastructure Phase 1 (Strategy)	Provide PSJSP Security Public Key Infrastructure to meet CJIS requirements	Part of County Justice Information Center	Part of County Justice Information Center	<div style="border: 1px solid black; padding: 5px;"> <p align="center">Mar '17 Dec '19</p> <p align="center">Initiate Procure Plan Execute Close 95% Complete</p> </div> <p>Project Status -</p> <ul style="list-style-type: none"> •Phase 2 RFP pending - PKI Implementation to transition to TSS Ops. •Assessment, Continuity Guide, Architectural Design, SSL Enrollment completed for transition to TSS Ops.

Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
14	3 Infrastructure for PSJ Projects - Phase 2	Infrastructure for PSJ Projects - Phase 2. Includes Cloud for JMS, ISE, BI, MDM, Pretrial, CJIC Decomm and on Premise.	Part of County Justice Information Center	Part of County Justice Information Center	<div style="display: flex; justify-content: space-between;"> Jul '18 Jun '20 </div>  <p>Project Status - Team delivered Azure Cloud infrastructure for the UAT. There are some task yet to be completed, such as Networking, Monitoring, App installation and configuration, testing.</p>
15	3 PROB Juvenile Institutions	Replacement of Probation's unsupported Lotus Notes application.	Part of PSJ County Document & Evidence Exchange	Part of PSJ County Document & Evidence Exchange	<div style="display: flex; justify-content: space-between;"> Jun '17 Aug '20 </div>  <p>Project Status - Probation Executive has made the decision to move forward with the JMS (IRIS) contract amendment process for JIMS. Project team completed review of SOW and final Functional and Technical requirements. Legislative File is in progress to present to the Board for Approval.</p>
16	3 JMS Subproject HR	The new JMS system replaces the bulk of the functionality in EIS and JIS, the two systems supported by the SO's IT team. With JIS planned to be taken offline, this will impact a suite of HR Custody functions which must also be replaced. This project finds a replacement for these very specific HR functions required to manage Custody staff.	Part of PSJ County Document & Evidence Exchange	Part of PSJ County Document & Evidence Exchange	<div style="display: flex; justify-content: space-between;"> Oct '18 Mar '21 </div>  <p>Project Status - The Project Charter is being updated to include standard governance language that will be included across all Charters. This will be completed reviewed by the business prior to signature.</p>
17	3 Jail Inmate Services Platform	Provide Wi-Fi enabled tablets for inmates as part of jail reform.	\$1,440,000	\$1,268,544	<div style="display: flex; justify-content: space-between;"> Jul '17 Sep '19 </div>  <p>Project Status - The Contract is on the agenda for the 4/23 board meeting. Plans are underway to hit the ground running for implementation, when the contract is approved by the board.</p> <p>Plan to get to green -</p> <ul style="list-style-type: none"> * Update Charter * Move into Construction Phase * Update Inception Plan * Re-baseline Schedule

**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
18	3 Mainframe - Refresh Rehosting	Procure/install replacement hardware and migrate the County's legacy mainframe applications, CJIC, JRS and Property Tax, to the new hardware.	\$644,259	\$256,314	<div style="text-align: right;">Jul '13</div> <div style="text-align: left;">Jul '20</div>  <p>Project Status - Transition of the project to the Shared Services portfolio remains pending.</p>
19	3 Patrol Dash-Cams	The Sheriff 's patrol cars (approximately 200 vehicles) are equipped with L3 dashboard cameras and an associated DVR that will reach their end of useful life in FY 18-19. Once the equipment is out of support, the vendor will not provide updates, including security patches. This project will replace both the cameras and the storage solution with current technology.	\$288,000	\$288,000	<div style="text-align: right;">Aug '18</div> <div style="text-align: left;">Sep '19</div>  <p>Project Status - The Procurement Team is targeting to present at the County Board meeting scheduled for 4/23. Plan to get to green - Project team will ensure that the policy updates are completed and the contract approved.</p>
20	3 Replace Microwave System Radio	The current countywide microwave radio system and operational point-to-point design does not provide capacity needed to support SVRCS IP-based traffic. Manufacturer support for existing microwave radios was discontinued in 2010. There is presently no microwave path between County Communications and the Berger Drive Service Center to facilitate alternate dispatch operations..	\$229,700	\$49,755	<div style="text-align: right;">Nov '16</div> <div style="text-align: left;">Jun '19</div>  <p>Project Status - The Microwave radios have been received and installed. 48 volt back up power has been sourced. It must be received and installed.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
21	3 JMS Subproject RFID	The automatic tracking and logging of inmate movement inside and outside of the facility will allow for the identification of an inmate's location at all times. This project provides an important service to the jail reform effort.	\$33,400	\$0	<div style="border: 1px solid black; padding: 5px;"> <p align="right">Sep '18 Jul '20</p>  <p align="center">18% Complete</p> <p>Project Status - A report is being prepared and will be sent out to the business. Awaiting legal input on the implications of using biometric devices within the jail. Work continued on packaging all sections of RFP into a single document to hand over to procurement. New requirements have surfaced which are being validated and included in the RFP.</p> <p>Plan to get to green - Delays are primarily due to additional time needed to complete various artifacts. To get back on schedule, a new baseline will be needed. A Change Order will be created requesting a new baseline. At the request of the Undersheriff, the team has worked on researching the usage of biometric devices within the jail. A report has been prepared and finalized for distribution to the Steering Committee members.</p> </div>
22	3 Radio Diagnostic Data Systems Tool	Remote monitoring of the health of the portable and mobile fleet of radios used by first responders in the field will identify most public safety or local government radio failures prior to actual failure or the user experiencing communications problems.			<div style="border: 1px solid black; padding: 5px;"> <p align="right">Jan '19 Nov '19</p>  <p align="center">8% Complete</p> <p>Project Status - Continue Discovery Stage activities to complete Stage Gate tasks</p> </div>
23	3 RRC Referral Tracking	Implement a centralized referral tracking system managed by the Reentry Resource Center to enhance the County's ability to coordinate services between agencies, more easily measure outcomes, accurately track service delivery, and more effectively allocate resources to support the success of Re-Entry initiatives.			<div style="border: 1px solid black; padding: 5px;"> <p align="right">Jun '16 Apr '19</p>  <p align="center">99% Complete</p> <p>Project Status - The project is in the Close Phase Transition stage. System was released on production on Jan 2nd. Development and release efforts are completed. Currently monitoring the system and proceeding to close the project.</p> </div>

Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)

T i e r		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
24	2	Replace Animal Control Radio	Replacing/upgrading Animal Control mobile and portable radios.	\$1,635,200	\$1,545,439	<p>Project Status - The Radios have been received and aligned and letters authorizing use of San Jose Animal Control and County Parks have been received. The project is in a transition phase waiting for the completion of the Silicon Valley Regional Communications System (SVRCS). Overall the project is 93% complete. The Project completion will coincide with the completion of the SVRCS.</p>
25	2	JNICE-Minimum Camp	This project will look at identifying & implementing an Enterprise Wi-Fi solution in which will address the network needs across multiple justice partners in both the Main Jail and Elmwood facilities. It will focus on expanding the capacity and coverage area of the current Aruba Wi-Fi network to support new Jail services including the new Jail Management System (JMS) and Tablets for inmates as part of the Jail Inmate Service Platform (JISP).	\$1,250,000	\$494,974	<p>Project Status - The team is continuing to make progress on the design of minimum camp and is working toward finding some staff help to support the team during this design effort. Plan to get to green - Complete and approve the design.</p>
26	2	Emergency Dispatch Protocol Software & Licensing	The Emergency Dispatch system requires Fire and Law modules.	\$411,540	\$411,540	<p>Project Status - Continue Discovery Stage activities to complete Stage Gate task.</p>

Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)

T i e r		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
27	1	Cellebrite Data Extraction Tool	Discovery phase exploration of the technology and identification of suitable vendor for data extraction from cell phones and other electronic devices. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$60,000	\$2,531	<p>Project Status - PDO/ADO would like a tool to review content and un-encrypt cell phones. They have identified Cellebrite as a platform and tool. The PDO/ADO has submitted a request to the Board of Supervisors, this project is on pause until the privacy policy is reviewed prior to purchase.</p>
28		BI-PSJ-LEA-Platform	The primary objective of this project is to enhance the current Business Intelligence and Analytics capability to better serve a growing list of report, intelligence and analytics demands from various agencies. Further, these enhancements to BI must better align the current BI operation with a selected Capability Maturity C1Model for business intelligence.	Part of County Justice Information Center	Part of County Justice Information Center	<p>Project Status - The Project Charter has been reviewed by several key stakeholders and reflects all of their input. A resource plan has been developed. A support budget has been created for the project covering the cost of contractors, FTEs, and all associated technology services, solutions and licenses. The next step is get sign-off on the charter and execute the project plan.</p>
29		Enterprise Master Indices Subproject - RDM	EMI - Reference Data Management will control the codes mapping from each agency data, standardizing the data and putting change control management for data elements that will be used across agencies for PSJ.	Part of County Justice Information Center	Part of County Justice Information Center	<p>Project Status - *Justification for exception to competitive procurement filed with Procurement office for review. *Existing government contracts reviewed to check the possibilities of piggy banking. Plan to get to green - Work with the Procurement to submit a Single source justification and submit a Change order to absorb the change.</p>
30	2	DAO Cloud Migration	Servers used in the District Attorney's Office that have reached the end of their useful life need to be replaced.	\$265,710	\$265,710	<p>Project Status - Initiated. Held two discovery meetings with District Attorney Office. Identified Tasks and Activities.</p>

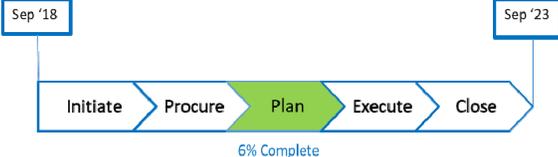
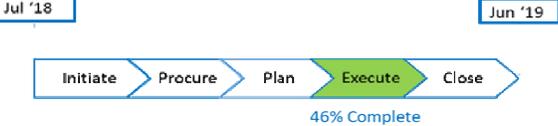
**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
31	2 Network Time Protocol (NTP) Servers	Existing 911 center NTP servers are at capacity and the County requires separate redundant NTP servers for the 911 phone, CAD/RMS system, logging systems, and other time sensitive systems on the network to maintain full operation during failures. This will provide network analytics for frequency and data stability, accuracy and records management.	\$35,449	\$15,543	Project Status - Continue Discovery Stage activities to complete Stage Gate tasks
32	3 PSJSP Disaster Recovery Phase 1 (Implementation)		Part of County Justice Information Center	Part of County Justice Information Center	Project Status - Initiate Phase
33	4 SHO Server-Storage Upgrades	Additional servers and storage are needed to provide additional capacity to support the Sheriff 's operations.	\$536,800	\$536,800	Project Status - On Hold.
34	4 SVRIA-DX	The SVRIA-DX project is being authorized to implement an integrated system that: <ol style="list-style-type: none"> 1. Creates the ability and capacity for each participating PSAP CAD system to export, import and display event and resource data created for or received from one or more PSAP CAD systems. 2. Supports law enforcement, fire and medical core business objectives. 3. Enhances and facilitates interoperable cross-agency sharing of information. 4. Streamlines dispatch operations and improves operational efficiencies which result in reduced service response times. 5. Supports local and regional automated resource sharing such as auto and mutual aid. 6. Provides the ability to share event data and resource commitments at a local, regional or state level with other first responders for improved situational awareness and decision making. 7. Provides a flexible data exchange solution that will provide a basis for future expansion and incorporation of additional data exchange projects. 			Project Status - On Hold. The Project is awaiting the Master Control Agreement to move forward with implementation for the various PSAPs. In the meanwhile, the ISE Development team is supporting the CAD system upgrade to Hexagon of the City of Santa Clara

**Appendix 2 - Portfolio Status Report
Vertical: Public Safety and Justice (PSJ)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
35	3	Reentry Services Case Management System		\$2,440,445	\$1,394,031	
36	4	Defense Case Management System Replacement (DCMSR)	Replace the County's Defense Case Management System	Part of County Justice Information Center	Part of County Justice Information Center	Project Status - During March, the team completed all user training, data migration, and placed the new system into production. Project close-down activities are under way.
37	2	PSJSP DR Strategy	Since the PSJSP IT DR capability is a complex and critical undertaking, the effort will be divided into two parts. The first part, the PSJSP IT DR Strategy will first capture the requirements for the DR capability, document the constraints within which the capability must operate, identify the criteria for weighing options for addressing the need, study the available options along those criteria, and involve the appropriate cross-section of technical experts as well as management and agency stakeholders in the review and adoption of the strategy. The second phase will be part of the PSJSP Infrastructure Phase 2 project and use the adopted strategic direction to drive out the tactical execution to implement, document, and test the IT DR capability and ensure its operational readiness long term.	Part of County Justice Information Center	Part of County Justice Information Center	Project Status - County IT Executives, COO and CTO, signed and approved DR Option Analysis Study and recommended DR Strategy. Completed all closing activities and prepared project for closing.
38	2	Kronos Clock Replacement	Fifteen timekeeping clocks operated by the Sheriff Office are not compatible with the latest version of the County's time-tracking software and need to be replaced.	\$67,500	\$173	Project Status - Sheriff's Office has received 17 Kronos Clocks for the Kronos Clock Replacement Project and the installation for these clocks has been completed. Sheriff's Office has installed the 1 remaining clock at the Temp Modular Building that is going to be used for Sheriff Office employees during the new jail wing construction project.

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
1	4 Aerial Imagery and LiDAR Data Acquisition	Today, Aerial Imagery and LiDAR (Light Detection and Ranging) data and its bi-products (e.g. Bulding outline) is essential data and tool for effective government operations. County of Santa Clara acquired Aerial Imagery back in 2006, and since then there was no update until the recent Assessor's Office's State County Partnership Program. Through the program, Assessor's Office established 3-year contract to acquire updated Orthogonal Images LiDAR data as one-time pilot fund. This contract ends in FY18 with no permanent funding for the future.	Department Funded Information unavailable	Department Funded Information unavailable	 <p>Project Status - County of Santa Clara Procurement Department is leading a RFP. County is forming a consortium, the RFP will be a join effort with few cities and agencies. Project is moving into business/technical requirement phase. Additionally, TSS GIS is seeking approval from the BOS to apply for 3D Elevation Program (3DEP) grant.</p>
2	4 Annual Allocation for Security Projects	An annual allocation for a bundle of security projects for the Chief Information Security Officer (CISO) to proactively deal with new IT security threats. Security projects include enterprise access management, data loss prevention, cloud security gateway, intrusion detection and prevention, Endpoint Protection, and application development security.	\$900,566	\$900,566	 <p>Project Status -</p> <ul style="list-style-type: none"> • Web Gateway Endpoint Protection - phase 2, 3 deployment complete - pending phase 4 • Data Loss Prevention Phase 2 target department in planning phase. • Public Key Infrastructure complete - Transition phase 2. • Distributed Denial of Service – phase 2 in process • Email Gateway Protection - Pilot phase in progress • Threat Monitoring Solution - Initiation phase

Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
4	Annual Refresh Desktops & Laptops	Starting in FY 17-18, ISD service rates began establishing a workstation reserve for the replacement of desktops and laptops beyond their useful life. This project provides additional base funding to allow the reserve to begin funding replacements in FY 20-21. The following departments will be included in this replacement program: <ul style="list-style-type: none"> •County Executive Office sub-units •Re-entry Services •Employee Services Agency •Clerk of Board/Board of Supervisors •Pretrial Services •County Counsel •Office of the Sheriff •District Attorney •Information Services (partial) 	\$4,558,970	\$1,011,013	<div style="border: 1px solid black; padding: 5px;"> <p>Sep '16 Dec '19</p> <p>Project Status - Project is waiting to receive computers from HP. No ETA from HP as per ITAM. Image-in-place for Win 10 compatible machines is progress, HHS, SSA and DAO.</p> <p>DAO - Hardware budgeting still requires finalization. Potential impact to SSA deployment timeline</p> <p>SSA - Current SSA data provided is insufficient and is based on “last seen” and # of employees. ITAM will only replace a set number of devices based on the pre-determined budget.</p> <p>MEC - Outstanding MEC contract for Windows 10 VAST software upgrade – Current .net software is incompatible with Windows</p> <p>Plan to get to green - Project team will deploy as soon as we start receiving new computers to replace the old ones. Extra-help hiring in progress.</p> </div>
4	ECM Portal Platform & Content Management System	The County's current public portal platform is showing degradation in performance and is unable to maintain accessibility standards. Replacement of the existing platform will reduce upkeep and the need for custom coding, increase security, and provide a more user friendly interface.	\$1,660,000	\$1,660,000	<div style="border: 1px solid black; padding: 5px;"> <p>Jun '18 Apr '21</p> <p>Project Status - The ECM Portal Platform & Content Management System (CMS) Replacement project moves all public-facing County web content to a new cloud-based environment. The project team is currently conducting market research in preparation for release of an RFP.</p> </div>
4	ISD Low Code Rapid Development Tool	Mobile and web applications tools will speed County development and allow non-developers to perform some functions in the mobile and web application development process.	\$190,000	\$190,000	<div style="border: 1px solid black; padding: 5px;"> <p>Jan '19 Feb '20</p> <p>Project Status - Preparing to release an RFP</p> </div>

Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
4	Jail Network Infrastructure Capacity Enhancement	This project will look at identifying & implementing an Enterprise Wi-Fi solution in which will address the network needs across multiple justice partners in both the Main Jail and Elmwood facilities. It will focus on expanding the capacity and coverage area of the current Aruba Wi-Fi network to support new Jail services including the new Jail Management System (JMS) and Tablets for inmates as part of the Jail Inmate Service Platform (JISP).	\$1,250,000	\$494,974	<div data-bbox="951 312 1508 449"> </div> <p data-bbox="943 632 1516 785">Project Status - No quote from the electrical contractor for Main Jail or Elmwood for the Core/Conduit work. Main Jail instructions were updated and the installation team is working on the punch list to bring all hardware to the current configuration. Elmwood Cabling has begun.</p>
4	Modernize Enterprise GIS Address Management System	Implement SAAS solution for GIS Address Management System and associated configuration, training, maintenance and support services. The selected solution is expected to streamline the complicated address management process distributed in many County departments/agencies and other jurisdictions (i.e. municipalities). Solution will utilize an Address Management System on the County level and a Multi-jurisdictional Data Aggregation/Validation System on the jurisdictional level.	\$340,000	\$336,716	<div data-bbox="951 831 1508 968"> </div> <p data-bbox="943 1178 1516 1394">Project Status - Potential vendor Michal Baker International (MBI) concluded the demos last month. Waiting for Evaluation Committee (EC) recommendation to move forward. The delay is due to a research on a recent State contract (Master Street Address Guide Location Database Conversion) that was signed last month and could impact the County RFP requirements.</p>
4	Parks Connectivity and Mobility Improvement	Develop and implement Wi-Fi and mobility connectivity in the selected regions within the selected parks	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="951 1451 1508 1612"> </div> <p data-bbox="943 1650 1516 1803">Project Status - In construction phase. Initial set up of Wi-Fi in Los Gatos Creek, Calero (boat launch), and Almaden (Mockingbird entrance). Hardware purchased to configure next several parks. Project ahead of scheduled Dec 2019 completion date.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
4	Professional Services to Lead Office 2016 Image Refresh	Upgrade all user PC / Notebook to Windows 10 operating system	\$211,635	\$31,173	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Dec '16 Dec '19 </div> <p>Project Status - The TSS budgetary transition has a realized risk which was "Disruption to Business". The ITAM and SSA procurement operations have had to react to the change in budget and responsibility.</p> <p>Plan to get to green - We are still waiting to receive computers. Image-in-place for Win 10 compatible machines is progress, HHS, SSA and DAO. The project will be green as soon as we start receiving the computers.</p> </div>
4	Solutions Manager Production on HANA	For support reasons, the County's financial system needs to be upgraded to centralized management of the enterprise landscape.	\$706,600	\$706,600	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Aug '18 Oct '19 </div> <p>Project Status - EIS team is working with Vendor on hardware requirements. Dependency on Replace 33-x86 Env and we are going through RFP now.</p> </div>
3	Acquire Analytics Toolset for Applications	The implementation of an analytic toolset will allow IT to capture performance metrics for Connect, the County's data sharing platform application, and for all ECM developed internal and external County applications.	\$141,600	\$141,600	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Aug '18 Sep '19 </div> <p>Project Status - The ECM Analytics Toolset for Applications project acquires a tool that captures performance metrics on Connect, SharePoint and all ECM-developed internal and external applications.</p> <p>The project team is currently conducting market research, in preparation for release of an RFP.</p> </div>
3	Data Center Consolidation and Upgrade	Initial resources to consolidate data centers from ten to two. The consolidated data centers will be modernized, more secure, and reduce overall support requirements.	\$1,651,500	\$1,609,396	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> Feb '17 Dec '20 </div> <p>Project Status - This project is getting re-started by a new Project Manager coming onboard in April, 2019.</p> </div>

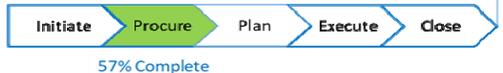
**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	Document Management System Planning	An enterprise-wide document management system for all County Departments will improve efficiency and support other County services and functions. This allocation provides for the completion of a discovery phase of this project. The IT Capital Reserve includes additional funds for allocation by the Board of Supervisors as needed to begin to develop this project once discovery is complete.	\$100,000	\$100,000	<div style="display: flex; justify-content: space-between;"> Mar '19 TBD </div>  <p>Project Status - Project has been initiated. Basic structure are being set up and project planning is proceeding in-flight with first steps to start the investigation.</p>
3	ECM Migration of On-Prem Custom Apps to Azure	Migrating core On-Prem applications to the cloud will address obsolescence issues and security concerns and improve application availability.	\$133,400	\$127,835	<div style="display: flex; justify-content: space-between;"> Feb '19 Dec '19 </div>  <p>Project Status - Some applications were already started to migrate for testing and performance tuning such as SCCDineOut (restaurant inspection reports), Database, Blob Storage and shared frameworks.</p>
3	ISD Enterprise Cloud Solutions	A new enterprise cloud for the County will improve efficiency and address issues with the current cloud infrastructure. The existing architecture for authenticating public users is becoming obsolete and the current environment cannot keep up with the demand for new application development.	\$1,016,800	\$808,326	<div style="display: flex; justify-content: space-between;"> Aug '18 Aug '19 </div>  <p>Project Status - Cloud Services are available in both the Government (GOV) and Commercial (COM) accounts.</p>

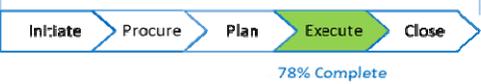
Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	IT-SAM Aspera SmartTrack Implementation	Implement cloud-based application (Aspera SmartTrack) to support and improve the function of IT Software Asset Management (IT-SAM), including the ability to monitor software inventory and maintain software license compliance.	\$400,000	\$351,063	<div data-bbox="950 310 1507 451"> <p>Project timeline: Jan '16 to Jul '19. Phases: Initiate, Procure, Plan, Execute (86% Complete), Close.</p> </div> <p>Project Status - The core team continues in the Execution Phase, Transition Stage. Knowledge transfer from the Aspera consultants to the technical and business admins is in process and going well. The ITAM resource problem is a concern that will be monitored closely. The technical side of the team is progressing well with project tasks. Go live was previously scheduled for July 1; now the team estimates go-live on July 8, 2019.</p>
3	Network Optimization	Network devices that have reached the end of their useful life need to be replaced to allow for increased network bandwidth, improved network manageability, and improved security and moving toward software defined networking (SDN) and the auto-provisioning of addresses for networked devices.	\$782,900	\$423,746	<div data-bbox="950 848 1507 976"> <p>Project timeline: Sep '18 to Jun '20. Phases: Initiate, Procure (9% Complete), Plan, Execute, Close.</p> </div> <p>Project Status - The procurement aspect of this project has started.</p>
3	Oracle Key Vault	Database storage encryption keys needs to be established to provide secure and reliable retrieval of encrypted data.	\$64,800	\$64,800	<div data-bbox="950 1211 1507 1396"> <p>Project timeline: Sep '18 to Jun '19. Phases: Initiate, Procure (64% Complete), Plan, Execute, Close.</p> </div> <p>Project Status - DBA team is working with Vendor, procurement department, and TSS team on purchasing process.</p>
3	Oracle Upgrade	Upgrade Oracle from 11.2 & 12.1 to 12.2 .DBA team is working with apps owner to identified which application is supported the new version.	Department Funded Information unavailable	Department Funded Information unavailable	<div data-bbox="950 1558 1507 1701"> <p>Project timeline: Mar '18 to May '19. Phases: Initiate, Procure, Plan, Execute (61% Complete), Close.</p> </div> <p>Project Status - Estimated to finished by May 2019. The scope of the project has increased but stakeholders are agree with new baseline. We have extended the scope of the project by adding FAF,HHS, have added to the list.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	Replace 33-x86 Env	The 33-x86 servers that have reached the end of their useful life need to be replaced.	\$1,635,200	\$1,545,439	<div style="text-align: right;">Nov '19</div> <div style="text-align: left;">Aug '18</div>  <p>Project Status - EIS team is working with Vendor, procurement department, and TSS team on purchasing process. We have submitted RFP requirements to procurement.</p>
3	Replace Obsolete Nortel Phone Systems - Phase2	Replace Obsolete Nortel Phone systems with Cisco VOIP.	\$1,760,616	\$1,362,002	<div style="text-align: right;">Dec '19</div> <div style="text-align: left;">Sep '16</div>  <p>Project Status - Phone deployments and Pre-cutover validation were conducted that pave the way for the 3rd Nortel group (CEO, BOS & ESA) cutover to Cisco VoIP and SIP that has been scheduled for April, 2019. AT&T porting and migration planning for Roads & Airports (RDA) sites are also in progress and a meeting with RDA stakeholders was held to go over high-level implementation timeline. Due to the Hospital Integration projects, effective April 2019, this project has been assigned to a new TSS Project Manager who will be managing the remaining cutover tasks for the 3rd Nortel group and migration of the other depts. in scope.</p>
3	Replace-Refresh 10 Storage	Network storage, including five SAN switches, two SAN storage controllers, and two storage arrays have reached the end of their useful life and need to be replaced.	\$884,000	\$543,691	<div style="text-align: right;">Oct '19</div> <div style="text-align: left;">Sep '18</div>  <p>Project Status - EIS team is working with Vendor, procurement department, and TSS team on purchasing process.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	Software AG 10.2 Upgrade	Technology that drives the Information Sharing Environment (ISE) has reached the end of its useful life and needs to be upgraded. The ISE connects Fire, Ambulance, 911 CAD, and other emergency services with each other and with other jurisdictions.	\$526,600	\$319,314	<div style="display: flex; justify-content: space-between;"> May '18 Dec '19 </div>  <p>Project Status - Task accomplished to February. -Entire X connectivity testing to get it ready for PDO/ADO Production deployment -Evaluate API Gateway 10.3 version to see the feasibility of production deployment -Start the development for automation of server and application logs archiving -Evaluate and develop plans for establishing enterprise monitoring/alerting and to stabilize the systems, using Elastic Search, Optimize for Infrastructure and SolarWinds. -Monitoring, alerts, and system stabilization are key areas for the next few months.</p>
3	Websense Internet Monitoring System Upg/Repl	Upgrade Websense infrastructure hardware to better support decryption of traffic to enable full analysis of sites visited and pages viewed, and to identify and block malware based attacks.	\$133,400	\$133,400	<div style="display: flex; justify-content: space-between;"> Jul '17 Jun '19 </div>  <p>Project Status - Web Gateway Endpoint Protection - Phase 2, Phase 3 completed.</p>
2	Apptio R12 Upgrade	Technology Services and Solutions (TSS) implemented Apptio Technology Business Management (TBM) to support the organization's rate and budget development processes. This cloud application (SAAS) allows users to understand billing rate cost drivers and provides visibility and transparency into the cost of the IT services delivered to the County and Non-County customers. This project is to upgrade Apptio to the R12 version. This will make IT related processes more efficient by utilizing a standardized model and by implementing the newest Cost Transparency, Cloud Cost Management integration, and Bill of IT modules.	\$400,000	\$351,063	<div style="display: flex; justify-content: space-between;"> Aug '18 Jun '19 </div>  <p>Project Status - Cost Transparency module is complete. Integration with Azure commercial and government cloud was configured. Bill of IT components, raw data, and configuration is complete. Datalink upgrade has been completed successfully. Reports validation is in progress. Promotion to production environment is complete. Training material and sessions will be available by mid April. Apptio R12 Showcase and executive review is schedule for the end of April.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
2	HHS Unix Server Upgrade or Decommission	The project is for the consolidation of the data center in SCC. There is the need to upgrade, or migrate Unix servers to the supported operating system in HHS.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <p align="center">Project Status and Timeline As of April 15, 2019</p> <p align="center">96% Complete</p> <p>Project Status - Need to upgrade or decommission 26 Linux servers to supported OS.(RedHat 7.2 or higher) -One physical server need to migrate to virtual, and we are migrating this server on April 14, 2019.</p> </div>
2	HHS Windows Server Upgrade or Decommission	EIS division is working with HHS team to migrate all the physical servers to virtual in HHS campus.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <p align="center">Project Status and Timeline As of April 15, 2019</p> <p align="center">98% Complete</p> <p>Project Status - There are 139 physical active windows servers in HHS that need to decommission or move to the Virtual system. 1-Completed- 47 Servers 2- In progress - 41 Servers 3- On hold- 40 Servers 4- Not supported by TSS - 11 Servers</p> </div>
2	IBM XiV Storage Array Migration	IBM XiV storage array migration project. The storage is out of support and we need to migrate all the LUNS and data to another storage.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <p align="center">Project Status and Timeline As of April 15, 2019</p> <p align="center">69% Complete</p> <p>Project Status - There's still data on the following LUNS. That will migrated by April 2019. Working with application owners about migrating raw data mapping disks to Unity. Plan to get to green - Project team is with application owner, vendors and we will migrate Agfa,SIS, and PCSI by end of April, 2019.</p> </div>

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
2	Installing Cylance in HHS Servers	SCC needs to protect Citizen's information and ISO has instructed that all the systems in SCC needs Cylance software. We are working closely with HHS IS teams to install Cylance in all of the servers to protect them against Ransomware.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <p align="center">Mar '18 Jun '19</p> <p align="center">Project Status - Execution Phase: This project have two steps: 1-Installing SCCM agent on all the servers. -EIS team worked with HHS application owner and installed SCCM agent on 527 Server, but we still need to install agents on DMZ servers. -CISO and HHS network team need to open the ports. 2-Installing Cylance agent We have installed Cylance on 809 Servers. 3-We added additional scope to the project. Installing SCCM and Cylance agents on LAB servers. -We are still working with application owner in LAB to determine the process of installing SCCM and Cylance agents. Plan to get to green - CISO and network teams are working together to resolve the ports issue in DMZ. We added additional scope to the project which extended the length of the project, and that was acceptable by sponsor.</p> </div>
2	ISD Oracle Multitenant	Multitenant provides a high-level database consolidation service using fewer server resources and providing rapid provisioning and cloning of databases, rapid patching and upgrades, and the ability to manage multiple databases at once.	\$171,600	\$171,600	<div style="border: 1px solid black; padding: 5px;"> <p align="center">Jul '18 Jun '20</p> <p align="center">Project Status - Team delivered Azure Cloud infrastructure for the UAT. There are some task yet to be completed, such as Networking, Monitoring, App installation and configuration, testing.</p> </div>

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
2	IT Professional Services - BA & PM	Provide professional and subject matter contract services are needed to assist with business needs assessment, business requirements analysis, business process re-engineering and improvement, and project management across the County.	\$1,000,000	\$17,097	<div style="display: flex; justify-content: space-between;"> Apr '16 Jun '19 </div>  <p>Project Status - The Project Management and Business Analysis resources currently supporting major initiatives will continue until the projects are completed. The projects currently supported are I&O portfolio management, Windows 10 upgrade, IT Service Management, Network related projects and WiFi projects for Parks. We are also hiring more resources during the next few months to assist in completion of other IT initiatives.</p>
2	Oracle Real Application Testing (RAT) Tool	An application testing tool will allow for performance testing of County databases when databases are upgraded and enable comparison of baseline performance measurements.	\$254,015	\$254,015	<div style="display: flex; justify-content: space-between;"> Jul '18 Aug '19 </div>  <p>Project Status - DBA team is working with Vendor, procurement department, and TSS team on purchasing process. DBA & procurement are working on sole source document.</p>
2	Purchase VEEAM Backup Software	EIS need to purchase additional 50 VEEAM/Backup Software Licenses	\$214,800	\$214,800	<div style="display: flex; justify-content: space-between;"> Sep '18 Aug '19 </div>  <p>Project Status - Licenses need to be purchased - dependency on Spectrum Protect POC result</p>
2	Replace EPIC p770 Servers	The EPIC p770 servers (2 node HACMP cluster) that have reached the end of their useful life need to be replaced.	\$476,600	\$476,600	<div style="display: flex; justify-content: space-between;"> Dec '18 Oct '19 </div>  <p>Project Status - We put this project on pause temporary. Until, Infrastructure team is working with TSS architect to come up with new plan.</p>

Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
2	Replace Refresh TSM Backup Servers	Backup servers that have reached the end of their useful life need to be replaced and expanded to provide additional backup capability to meet increasing demand.	\$250,000	\$250,000	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> Mar '19 Jun '19 </div> <div style="text-align: center; margin-top: 10px;"> <p>34% Complete</p> </div> <p>Project Status - We had another meeting with Procurement team, and according to Procurement buyer ITB will be going out by mid-April 2019. The configuration is ready to implement.</p> </div>
2	Scale Arc	Purchase and installation of Scale Arc database performance monitoring on a test and production server	\$270,500	\$270,500	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> Jul '18 Sep' 19 </div> <div style="text-align: center; margin-top: 10px;"> <p>59% Complete</p> </div> <p>Project Status - We are working with PRC on soul source & purchasing licenses.</p> </div>
2	SCC SQL Migration	ISD is consolidating and upgrading all SQL Databases based on Departments. We upgrade all the SQL to the 2016 version, and separate them by departments, QA,DEV and development servers.	Department Funded Information unavailable	Department Funded Information unavailable	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> Dec '17 Oct '19 </div> <div style="text-align: center; margin-top: 10px;"> <p>69% Complete</p> </div> <p>Project Status - Execution Phase: 22 servers built done, Migrating databases are in the progress. 98 DEV-82 completed 47 QA-38 completed 58 PRD-46 completed Plan to get to green - There are not enough technical resources within the ECM team. ECM Management team decided to accept the risk and paid for licensing that will expire to mitigate user access.</p> </div>
4	County Services Centralized Mobile App	A mobile application for centralized employee resources will improve communication and employee connectivity.	\$20,000	\$20,000	<p>Project Status - Approved project yet to fully start. Development for framework was started but final approach/design is still ongoing as we are still in research and prototype on the final design.</p>
4	ITSM Cherwell Implementation	Implement a cloud-based application to support the function of IT Service Management and align the process with ITIL best practices. (CA Service Desk replacement).	\$400,000	\$351,063	<p>Project Status - On Hold. Project progress is impacted by the need for a new PM who will start in mid-April, 2019</p>

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	ACI Multi-Site Implementation	Joining the independently managed data center switching fabrics at Berger Drive and Health and Hospital System into a single data center network infrastructure will improve efficiency and communication.	\$189,100	\$189,100	Project Status - Approved project yet to start. This project has not been scheduled to start due to resources being reallocated to other priority projects.
3	AlertUS Phase2: Social Services	Phase 2 of the AlertUS implementation will address additional Social Services Agency's departments. Departments will be able to use AlertUS to alert and inform their respective staff.	\$53,900	\$53,900	Project Status - Approved project yet to start.
3	Alternate Fiber Route to 911 Center	<p>NFPA 1221 section 4.1.4.1 - Each center shall be provided with an alternate means of communication that is compatible with the alternate means of communication provided at the ERFs. The alternate means shall be readily available to the telecommunicator in the event of failure of the primary communications system. One gigabit alternate layer 1 fiber connection to 911 communications center.</p> <p>This request is also identified as a critical need in the 10 year capital request projects. Assistance is needed from county to determine actual cost to provide required alternate Physical (layer one) path.</p>	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
3	Berger Dr. Local Area Network and Phone Upgrade	Phones, Network switches and In-building Fiber Replacement.	\$720,000	\$618,520	Project Status - Approved project yet to start. This project has not been scheduled to start due to resources being reallocated to other priority projects.
3	County Wireless Expansion	Expand the County's wireless infrastructure to meet increased demand.	\$316,600	\$206,205	Project Status - Approved project yet to start. This project has not been scheduled to start yet due to lack of resources.
3	DEBS Event Equipment Request	The equipment in the Employment Connection Center needs to be upgraded to meet the needs of CalWORKS large audience presentations.			Project Status - Approved project yet to start.

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
3	Employee Services Centralized Mobile App	A mobile application for centralized employee resources will improve communication and employee connectivity.	\$66,800	\$66,800	Project Status - Approved project yet to start.
3	ISD Innovation Fund	The urgent or critical need for small projects to complete the discovery phase of larger projects sometimes arises outside of the annual budget cycle. ISD will provide an accounting of the use of this allocation twice a year to the Board of Supervisors.	\$350,000	\$346,979	Project Status - Approved project yet to start.
3	Public Key Infrastructure Phase 2 (Implementation)	The Santa Clara County Public Key Infrastructure (SCC-PKI) program is a strategic initiative launched by Information Security Office (ISO) to assess and reengineer the existing PKI framework. This Project defines and implements, in phases, Santa Clara County's needs with regards to a proposed PKI solution.	\$17,123,153	\$6,672,239	Project Status - Approved project yet to start.
3	SHO Custody WiFi	WiFi at the County Jail needs to expand to support Jail Inmate Service Platform Tablets.	\$1,250,000	\$494,974	Project Status - Approved project yet to start.
3	Technology and Network Refresh for SSA	Servers and networking hardware that have reached the end of their useful life in supporting SSA applications and functions.	\$133,400	\$133,400	Project Status - Approved project yet to start.
3	TSS 150 W Tasman Move	To plan for and move part of TSS staff () to the new swing space facility at 150 W Tasman dr.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
3	UC VoIP Platform Upgrade	The current VoIP system operating system is two versions behind the current release and reaching the end of useful life. Both the VoIP and automatic call distributor (ACD) platform hardware require replacement. These systems support approximately 8,000 phones countywide. Project funding will address hardware and professional services costs.	\$966,600	\$924,000	Project Status - Approved project yet to start.

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
2	Berger Auditorium AV Improvements	Audio and video equipment is needed to support meetings held in the Berger Campus Auditorium.	\$216,800	\$216,800	Project Status - Approved project yet to start.
2	COB Hedding Lower Level Audio-Video Improvement	Audio and video equipment for the Lower Level Conference Room at 70 West Hedding Street will modernize communication and improve public access. There is currently no audio or video equipment installed in this facility.	\$266,800	\$266,800	Project Status - Approved project yet to start.
2	PSJSP Video Conferencing Equipment Replacement	Three departments have conferencing equipment that have reached the end of their useful life.	\$146,800	\$104,200	Project Status - Approved project yet to start.
2	TSS Service Desk Consolidation		Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
	Aerial Imagery and Data Acquisition - Sanborn 2018	The County of Santa Clara (County) is contracting with The Sanborn Map Company, Inc. (Sanborn) to acquire orthogonal imagery(orthos) for County of Santa Clara, CA boundary with a 2-mile buffer.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project at the Discovery Stage.
	Bridges Program	The Bridges program harmonize the core IT processes and platforms in a thoughtful way across the IT organizations to fulfill ITCC's promise of increasing IT's value to the County. It provides the plan for process and platform consolidation where it benefits the County, in conjunction with the costs, effort, and dependencies of individual initiatives.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved. Efforts are currently being statused at the various project - level initiatives.

Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
4	HHS-ISD IT Disaster Recovery	SCC needs to have an alternate disaster recovery site to ensure that critical systems are available to the public and County staff in the event of a major disaster. Critical applications like Epic, OpenLink and others need to be available 24x7 to the County staff. The scope of this project includes the building of a DR site in Boulder, CO to host the infrastructure to support these applications.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - This project will be closed. With newly established negotiation with IBM a new project may be started when ready.
3	Implement VMS Enhancements	The project adds post-Go Live enhancements to all County instances of the VMS System	\$224,130	\$219,632	Project Status - This project adds 5 new features to the County's Volunteer Management System. Three features - DocuSign Integration, Training & Certifications and Enhanced Sign-In Station - are complete. One feature - Onboarding Dashboard - has been dropped from the project. The final feature - Single Sign On is scheduled for completion by November 15, 2018.
3	Implement Volunteer Management - Phase 2	Funding is requested to migrate the 2nd wave of departments to the county-wide Volunteer Management System (VMS) acquired in FY16. VMS provides the information and processes needed by the volunteers and volunteer coordinators, such as defining skill requirements, scheduling volunteers, communicating when and where volunteers are needed, collecting and reporting metrics, and providing communications. The VMS also allows potential volunteers to search for opportunities.	\$224,130	\$219,632	Project Status - This program consists of four projects. ROV, AEM and VMS Enhancements are complete; OES has been cancelled.
3	PeopleSoft HCM Archiving	Secure hardware and software licenses are needed to ensure compliance with data-retention policies and to support the archiving of older data.	\$512,000	\$512,000	Project Status - This project canceled on initiation phase. I have notified PMO and finance teams.
3	TSM Storage Upgrade	Upgrading backup storage, and purchased additional storage.	\$512,802	\$263	Project Status - We have purchased the hardware and implemented successfully.

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
2	Business Object/Data Services Migration	SAP BO Data Services (BODS) is an ETL tool used for data integration, data quality, data profiling and data processing. It allows you to integrate, transform trusted data-to-data warehouse system for analytical reporting.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - has canceled. CTO office is going to implement the new solution that will accommodate these departments.
2	Implement OES VMS	Add Volunteer Management capability to OES to streamline recruitment, activation and management of OES volunteers.	\$224,130	\$219,632	Project Status - The project was originally approved in 2016 by a previous management team. The project team gave an Executive Presentation to current OES management in March 2018. OES management is unwilling to sponsor the OES Volunteer Management System. The project was placed on hold on April 17, 2018 until a Business Sponsor is identified. No Business Sponsor has been found. The project has been cancelled.
2	Implement ROV VMS	Add Volunteer Management capability to ROV to streamline recruitment and management of ROV Volunteers.	\$224,130	\$219,632	Project Status - ROV's review and approval of the vendor project plan occurred in March 2018. During the review, it became clear that the project could not be completed before the June election. ROV activities were suspended until July 9th. The project is on track to go live before the November election.
2	Installing Cylance in SSA Servers	SCC needs to protect Citizen's information and ISO has instructed that all the systems in SCC needs Cylance software. We are working closely with SSA IS teams to install Cylance in all of the servers to protect them against Ransomware.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - We have installed Cylance on all the SSA servers, but CISO is working with SSA application owner to move them to protect mode. We still 5 servers to move to protect mode.
2	Isilon Relocation to Sobrato	TSS-HS is moving one of the Isilon (HHS-File share system) to Sobrato building	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - We have successfully moved the Isilon to Sobrato building on February 7th. I have officially transit the project to the operation.
2	Replacement of ISD supported End-of-Support Cisco	Purpose: There are approximately 516 end-of-support Cisco model phones that need to be replaced. The locations are primarily the DA Crime Lab and many other remote locations where VOIP was initially installed in 2007. Licensing is not needed and only replacement of specific model handsets are required.	\$120,594	\$20,185	Project Status - Santa Clara County has migrated approximately 3000 Nortel users to the existing Cisco Unified Communications Manager (CUCM) Information Services Department (TSS) cluster. In preparation for the migration to SIP, all non-E.164 compatible phones have been replaced with E.164 compatible phones.

**Appendix 2 - Portfolio Status Report
Vertical: Shared Services (SHR)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
2	SSA Consolidation	SCC is consolidating datacenters and multiple department. ISD-Enterprise Infrastructure Support is working with SSA IT staff to migrate, upgrade or decommission systems.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - The project successfully completed.

**Appendix 2 - Portfolio Status Report
Vertical: Social Services Agency (SSA)**

Tier		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
1	4	SSA Contract Management System Phase 2*	Developing and implementing Phase 2 will provide a solution to track, maintain, and audit contracts, vendors and providers by the Office of Contracts Management.	\$375,000	\$369,706	<div style="display: flex; justify-content: space-between;"> Feb '19 Apr '21 </div> <p>Project Status - Project is on schedule. Revised the Project charter based on the approved project scope by Procurement, SSA, and TSS leadership teams. In parallel, start reviewing business requirements with end-users.</p>
2	3	APS Structures Decision Making Tools*	Develop and implement a Structured Decision Making web based tool to utilize a systemic and evidenced based approach to evaluate present and future risk, and informed decision making.	\$672,115	\$266,000	<div style="display: flex; justify-content: space-between;"> Sep '17 Dec '19 </div> <p>Project Status - Project is on track to implement the Risk and SN tool end of June 2019. Working with vendor to auto populate previous history of the client in the Risk tool. Validating requirements documentation and 5 canned reports on DCS site for SRPT and Safety assessment tools. Working on data elements for auto-populating risk tool. Training new APS social workers on the SDM tools.</p>
3	3	Enterprise SSA HR Dashboard Phase 3	Reports and tools will support the development of an SSA Human Resources Dashboard. This project will continue to be developed with existing resources.	\$529,844	\$281,894	<div style="display: flex; justify-content: space-between;"> Apr '18 Nov '19 </div> <p>Project Status - Project is on schedule. Completed the integration testing of Agency and Department dashboards. Started the planning of UAT for 1st release. Reviewed the project plan to implement new change requests in 2nd release.</p>
4	3	eTime Study Enhancement for SSA*	Enhancing the user interface of the current electronic Time Study (eTS) application will improve user experience and eliminate errors in calculations of monthly and quarterly time studies for claiming purposes and processing time.	\$60,000	\$52,975	<div style="display: flex; justify-content: space-between;"> Nov '18 Jun '19 </div> <p>Project Status - Reviewed priority list for Release 1 and defined scope of work. Next steps: Begin development and coding.</p>

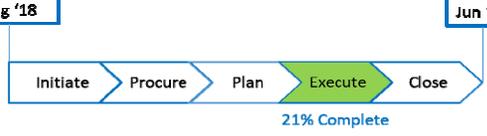
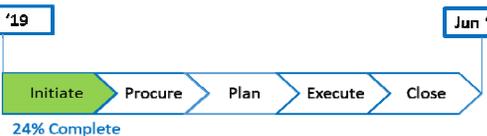
**Appendix 2 - Portfolio Status Report
Vertical: Social Services Agency (SSA)**

Tier		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
5	3	SSA County Website Replacement	Redesign content and functionality to make them conducive to our targeted public audience for ease of understanding and usage. The redesign will also make the website compliant with County, State and Federal standards.	\$144,072	\$147,352	<div style="display: flex; justify-content: space-between;"> Dec '18 TBD </div> <p>Project Status - Continued to create product backlog items and plan the sprints. APS Reporting Pages are 95% complete. Completed the first version of How Do I? page. Held in-depth discussions of DEBS, DAAS, DFCS and AO content. Started building pages for DFCS Referral Case Flow. Next steps: Continue the sprints with all 4 departments. Complete the build of DFCS Referral Case Flow. Continue to work on DEBS Services and AO.</p>
6	2	DAAS - IHSS Form Tagging in IDM	This project is to tag IHSS' State of CA (SOC) forms in Integrated Document Management (IDM) for quicker and more efficient document retrieval	\$85,000	\$71,680	<div style="display: flex; justify-content: space-between;"> Nov '18 Jul '19 </div> <p>Project Status - Staff Development completed the training materials for Content Based Retrieval and trained pilot users. Continue to gather the SOC and internal SSA IHSS forms. Next steps: Continue to gather all the SOC forms and add QR code for tagging and recognition.</p>
7	2	DAAS - IHSS Form Tagging in IDM	This project is to update the website to engage and retain both adult and youth site visitors with features similar to the smart phone home page. Keyword search feature is required to assist users locate information needed with minimum navigation searches, and it needs a more dynamic and visual format to retain visitors and fully utilize all the services offered.	\$63,608	\$58,968	<div style="display: flex; justify-content: space-between;"> Nov '18 Jul '19 </div> <p>Project Status - The team completed the build for the Intern & Earn website and most of pages on the Services tab. Next steps: Finalize pages on the Services tab and start designing and building Job Seekers and Employers pages.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Social Services Agency (SSA)**

Tier		Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
8	2	DAAS - In-Home Support Services (IHSS) Quality Assurance Web Application	Replacing existing FileMaker Pro files, the project aims to develop a web-based tool to track work efforts associated with Quality Assurance activities for the IHSS program.	\$400,246	\$104,166	<p>Project Status - The project team continues to work on two modules concurrently - Desk Review and Directed Mail. Wireframes for both the Desk Review and Directed Mail Modules have been completed and presented to users for validation. Development for the Directed Mail module is complete, passed UAT and is scheduled to go to Production in April. Work on the Desk Review module continues to progress and a completed tool is anticipated by the end of April, followed by UAT.</p>
9	2	DEBS IEVS: Overpayment and Tally Computations	Enhancing the new IEVS application to include the ability to compute monthly overpayment amounts and generate a weekly tally report for each EE.	\$218,405	\$38,526	<p>Project Status - Most of the functionality for overpayment/over-issuance budget for CalFresh and CalWORKS and NOA is completed. Implementation of functionality for IDM enhancements to support IEVS is awaiting IDM upgrade to new version. UAT (user acceptance testing) test cases /scripts developed for CF/CW budget and NOA. 1st iteration of UAT for CF/CW budgets and NOA is completed and results are compiled.</p>
10	2	Decision Point Management	Create dynamic dashboards with drill downs for the following 4 reports: Case child demographics, Referral child demographics, Quarterly referral tracking on disproportionality, and Disproportionality tracking report	\$1,392,590	\$26,120	<p>Project Status - Ongoing UAT of Zip Referral Dashboards continues.</p>
11	2	DFCS - CWS CMS Replacement Modifications Implementation	Adapting the newly released CWS/CMS database system CWS-CARES to County processes and Court modules, once the old CWS/CMS database is no longer used to store future data. All County systems will need to be adapted to the new database, in order to retrieve and submit critical data to the state system.	\$1,142,490	\$1,083,790	<p>Project Status - Project currently in the implementation stages. The initial roll-out of CWS-CARES happened on 1/14/2019. Meetings are being held to integrate the system with DFCS Applications successfully.</p>

**Appendix 2 - Portfolio Status Report
Vertical: Social Services Agency (SSA)**

Tier	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
12	2 DFCS - DOJ Application Refinements	This application is developed by TSS-SS department to track the live scan results for DFCS. Project is for the upgrade phase dealing with the receipt of those results and records.	\$162,540	\$109,720	 <p>Project Status - After two years of policy and process discussion, business has finally reached an agreement on how to proceed with this project. TSS-SS team is currently working with business to implement a receipt system for DOJ, FBI and CACI records.</p>
13	2 SSI App Enhancements of HDAP Advocacy Program	Enhancements to the Supplemental Security Income (SSI) application will support the new pilot program for SSI recipients. Enhancements will include adding data elements to the SSI application to track client housing situation, enrollment in housing program and other critical data that are required for grant related state funding. This project will be implemented with existing resources.	\$70,000	\$56,086	 <p>Project Status: Developer continues to work on adding State required fields to SSI Application Next steps: Developer to continue coding and perform unit test.</p>
14	2 Texting in Languages Other than English & Spanish*	This functionality will allow case workers to text in languages other than English and Spanish. The state requires that counties have translations available in languages where the language is spoken by 5 percent or more of the clients.	\$166,800	\$166,800	 <p>Project Status: Functional/business requirements are defined and signed off by key stakeholders. Development of new features is continued by the vendor. Secured primary/secondary multi-lingual testers for 9 out of 10 languages. Cleanup of current users (1000+) and address books is in progress. Detailed project plan and schedule is developed.</p>
15	2 Corrective Action Tracking & Reporting Enhancement	Replacing the current Corrective Action Tracking and Reporting application will provide automation of work assignments and visibility into cases reviewed in each office. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Approved project yet to start.
16	2 Upgrade for Framemaker	Upgrade for Adobe Framemaker	Department Funded	Department Funded	Project Status - Approved project yet to start.

**Appendix 2 - Portfolio Status Report
Vertical: Social Services Agency (SSA)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
17	4	Senior Nutrition Software & Card Reader System	A new scanning system will allow staff to enter, store, analyze, and sort information for the Senior Nutrition Program.	\$19,800	\$19,800	Project Status - On Hold. Project moved to FY20 since funding for FY19 was redirected to the technology refresh.
18	2	APS Application Phase 2*	A replacement case management system for Adult Protective Services program will provide identify protection and services to defined vulnerable adult populations, to collect abuse reports and collect and report statistical information about abuse victims. This project will be implemented with existing resources.	\$10,000	\$10,000	Project Status - On Hold. Project moved to a June 2019 start date and will need to be carried over to FY20.
19	4	CalWORKS Outcomes and Accountability	A system to capture the data elements will meet the Senate bill 89 requirements for outcomes-based funding and accountability reviews for CalWORKS. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Project has been canceled by SSA due to work priority and budget.
20	4	Public IHSS Services Online App	A web-based application will allow customers to apply for In-Home Support Services (IHSS) online.	\$33,200	\$33,200	Project Status - Project was integrated into the SSA Web Replacement project.
21	3	Audible Form Fill-In Technology	Additional functionality will allow Social Services Agency clients to complete forms verbally over the telephone and have those forms stored and processed electronically.	\$100,000	\$100,000	Project Status - Project has been canceled by SSA due to work priority and budget.
22	3	CalWIN Interface w/ Scanning Solution	An automated scanning interface to receive electronic inter-county transfers (ICT), Benefits CalWIN (BCW) and California Healthcare Eligibility, Enrollment, and Retention (CalHEERS) documents from CalWIN via batch feed will allow them to be imported into the Department's scanned image retrieval system. This is currently manually performed by clerical staff. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Project has been canceled by SSA due to work priority and budget.

**Appendix 2 - Portfolio Status Report
Vertical: Social Services Agency (SSA)**

	T i e r	Name	Project Description	Approved Budget	Available Budget (As of April 15, 2019)	Project Status and Timeline As of April 15, 2019
23	3	CalWORKS Employment Services Case Review Tool	The employment program supervisors are required to conduct monthly CalWORKS welfare to work case reviews of their unit to ensure accuracy of payments, activities, meeting the Federal and State work participation rate (WPR) while CalWORKS clients are on aid. This is currently performed with a manual recording of findings and corrective actions needed in paper form. This process lacks a systematic tracking of individual staff performance, error finding, timely follow ups and gathering data for refresher training needs.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Project has been canceled by SSA due to work priority and budget.
24	3	Mobile DEBS Client Forms	Development of a mobile app will allow DEBS clients to access and complete forms on their mobile device so that form data will be uploaded to DEBS database and linked to the client's case file. This project will be completed by existing staff.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Project has been canceled by SSA due to work priority and budget.
25	3	Periodic Reporting IDM Interface	This functionality will allow client documents to be scanned into the Periodic Reporting subsystem without manual intervention. This project will be implemented with existing resources.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Project has been canceled by SSA due to work priority and budget.
26	2	CWES Youth App for Intern & Earn Program*	Develop a mobile friendly web application or a native mobile application to support the Intern and Earn program. This project will be implemented with existing resources.			Project Status - Rolled into the DEBS CWES ECA Enhancements which is approved for FY19/20
27	2	KRONOS Phase 2 for SSA Departments	The roll out of a pilot project to the full Social Services Agency will improve efficiency and reduce duplications by eliminating paper forms and automating the approval and tracking processes.	Department Funded Information unavailable	Department Funded Information unavailable	Project Status - Project has been canceled by SSA due to work priority and budget.
28	2	Telephonic Signature Storage*	Technology to capture and store telephonic signatures from client interviews will allow the County to meet regulatory requirement for such.	\$250,200	\$250,200	Project Status - Project has been canceled by SSA due to work priority and budget.

Appendix 3 - IT Project Requests Fiscal Year

Vertical	Tier	Project Name	Project Objectives:	<u>Total</u> Recommended One-Time Project Funding
CoA	In-Flight	Case Management and Billing System Modernization	This is a CONTINUATION of the County Counsel replacement project of their case management application to better meet their needs. Project allocation provides resources for a project discovery phase. Additional funding from the IT Capital Reserve or other sources may be needed after a project scope and estimate is developed.	\$350,000
FES	In-Flight	Direct Assessor Interface Phase 1	The is the continuation of an IMPLEMENTATION project. The original request was created in October of 2017 because the TSS mainframe (MF) was nearing end-of-life. The MF is used for several critical property tax processes that produce output files for DTAC. What was unknown at the time, and estimated in the proposal, was the work required to replicate the work being done by the mainframe. The original estimate assumed one full year of a contract developer and a half-year of a business analyst. After working on the project for several months, it is obvious that we underestimated the requirements. This request funds the cost for one contract senior Java developer and one contract business analyst for the rest of the expected length of the project.	\$318,000
SHR	In-Flight	Cloud Infrastructure (Azure and other cloud providers)	This is an IMPLEMENTATION project. By incorporating the right architecture, procuring the right tools and utilizing consulting services, we should be able to achieve the end-state goal.	\$900,000
SHR	In-Flight	Connect Internal Portal Redesign and Migration to Cloud Platform	This is an IMPLEMENTATION project. By doing phase by phase implementation in an Agile Methodology, we can deliver small increments and improve our solutions as needed with added functionalities and features.	\$400,000
SHR	In-Flight	IT Career Compass	This is an IMPLEMENTATION project. Through the transition phase of ITCC, ramp up organizational development and culture efforts, and leadership and staff training. With the consolidation of ISD, HHS-IS, and SSA-IS, unify web content and internal SharePoint sites under one TSS centric to emphasize "One IT".	\$425,000
PSJ	0	POPS Compliance Upgrade	This is an ENHANCEMENT project. Modifications and additional modules will be created for POPS, and part of the CJIS compliance entails moving POPS into the cloud environment. The project scope includes moving POPS to Azure cloud and conducting a security assessment.	\$412,200
SSA	0	Data exchange of CANS results between DFCS and	This is a DISCOVERY project to assess the best solution for a platform and process to exchange bidirectional data between DFCS and Behavioral Health.	\$42,900
SSA	0	Resource Family Approval (RFA)/Binti	This is an IMPLEMENTATION project to purchase and implement the Resource Family Approval (RFA) software "Binti". 31 Counties in California are currently using Binti.	\$0
FES	1	ERP	This is a DISCOVERY project to determine the best path forward. This will involve partnering with the business to evaluate and map their business needs against industry standards available in the leading ERP packages.	\$100,000

Appendix 3 - IT Project Requests Fiscal Year

Vertical	Tier	Project Name	Project Objectives:	<u>Total</u> Recommended One-Time Project Funding
FES	1	AES Residential Subscription	This is an IMPLEMENTATION project to purchase and implement the AES residential subscription module. The product replaces an obsolete, statistically-based sale price estimation system that has been decommissioned as unreliable. The AES residential subscription will utilize our data to create an expected sales price, based on an actual appraisal, of residential property on any given event date. This expected sales price is then integrated into our direct entry program for enrollment. This AES residential subscription enables our office to take full advantage of the direct entry program, which historically has been used for the assessment of 10,000 to 15,000 residential transfers annually. It will dramatically decrease the manual workload for residential appraisal and supervisory staff. This decrease in workload will improve efficiency and enable us to reallocate staffing resources to more complex assessments, which cannot be automated. The Assessor's Office has recently invested in the larger AES commercial appraisal tool, and this residential module will increase our capabilities.	\$180,000
PSJ	1	Radio Dispatching console System	This is an IMPLEMENTATION project and remediates an oversight in the original building planning and design activities.	\$4,346,954
PSJ	1	Communications Dispatch Center Microwave System	This is an IMPLEMENTATION project. This is related to the new console system and provides connectivity for the new consoles into the servers. It also provides backup of all communications that come into the center.	\$375,000
SHR	1	Provide Enterprise Master Data Management Services	This is a DISCOVERY and IMPLEMENTATION project to: Leverage MDM identity lookup, matching, and reconciliation features and lessons learned from individual agency implementations. Design and develop an enterprise architecture that combines and coordinates agency specific implementations. Develop standard operating procedures and service level agreements. Develop policies and business plans for mastering of other high value common data points (addresses, programs, services, properties, etc.)	\$516,000
SHR	1	ITAM - CW and Aspera	This is an ENHANCEMENT project. These tools will manage the County's hardware and software licenses (Cherwell for Hardware and Aspera for Software). Currently, both tools have completed initial stages of implementation. Additional professional service hours will allow us to develop enhancements to the tools that will drive the scale of use and the data quality.	\$349,600
SHR	1	Discovery Tool Assessment	This is a DISCOVERY project to engage a third party consultant to provide an assessment of our current discovery tools, identify gaps, and suggest mitigation options. Professional services will provide recommendations on future state configurations so the tools we've purchased can be configured appropriately.	\$450,000

Appendix 3 - IT Project Requests Fiscal Year

Vertical	Tier	Project Name	Project Objectives:	<u>Total</u> Recommended One-Time Project Funding
SHR	1	Hospital Inventory and Asset Refresh Schedule Baseline	This is a DISCOVERY project to complete a physical inventory of all end-user hardware assets in the Health and Hospital System; the assignment of a point person from asset management and a PMO resource to oversee an independent firm who will help us execute an enterprise-wide inventory baseline of all HHS hardware assets, normalize and input data into Cherwell; ITAM recommends refresh schedule for HHS.	\$300,000
SHR	1	Data Science Lab for Policy and Program Evaluation	This is a DISCOVERY and IMPLEMENTATION project to include: - Leveraging MS Azure Cloud Services (Data Catalog, Data Lake, Machine Learning, PowerBI, etc.)- Implement and provide training on Data Science toolkits (statistical software, Python scripting language, Snowflake cloud data warehouse, etc.)- Build out knowledgebase of content and material and add to Data Governance web site.	\$794,400
SHR	1	PPM Tool - Planview Enhancement	This is an ENHANCEMENT project. The scope of the project includes enhancements to: project management Agile capabilities; business intelligence capabilities; resource and capacity planning; service-based time reporting; Planview workflow automation; new and	\$365,800
SHR-PSJ	1	CradlePoint Routers	This is an IMPLEMENTATION project. Buying replacement (or adding additional) devices to meet the new technology.	\$398,720
SHR-PSJ	1	PRO Server-Storage Upgrade / Refresh	This is an IMPLEMENTATION project. Replace the aged physical servers with an HCI (Hyper-Converged Infrastructure) solution which offers a fully virtualized environment for quick disaster recovery as well as modularized building blocks for easy scalability and redundancy without compromising performance.	\$161,184
CoA	2	Weed Abatement Database Application	This is a DISCOVERY project to identify a vendor supported system but potentially custom configured system to be used.	\$20,000
CoA	2	Structural Fumigation Electronic Notice of Inspection	This is a DISCOVERY project to identify a vendor supported system but potentially custom configured system to be used.	\$45,000
CoA	2	Clean Water Database Application	This is a DISCOVERY project to identify a vendor support solution.	\$18,000
CoA	2	Assetworks Replacement Study	This is a DISCOVERY project to commission a study to review the current application, look at other systems in the market and make recommendations on next steps.	\$124,800
CoA	2	Network Segmentation Study for FAF Building Automation	This is a DISCOVERY project to commission a study to review the current situation and recommend the best way forward.	\$50,000

Appendix 3 - IT Project Requests Fiscal Year

Vertical	Tier	Project Name	Project Objectives:	<u>Total</u> Recommended One-Time Project Funding
CoA	2	Comprehensive Media Control Center at 70 W Hedding	This is an IMPLEMENTATION AND Facilities project. INS Auditorium will be upgraded so it can serve as an extension of BOS chambers or an independent auditorium, with video, audio, broadcast, networking and telecom capability. A new media control room will allow control of two independent meetings or one big meeting in both BOS Chambers and INS Auditorium.	\$1,237,120
CoA	2	MIS for victim service providers	This is an IMPLEMENTATION project. The OSH proposes to develop a shared database, by creating another instance modeled after the County's HMIS, specifically designed for DV agencies and in compliance with VAWA regulations. This shared database will help the County manage scarce resources, measure program outcomes and system performance, leverage funding, and strategically align resources across the homeless system of care.	\$212,400
FES	2	Migration of Web and Database Servers to Azure Cloud	This is an IMPLEMENTATION project. With this new Azure Cloud (IaaS), we plan to move our WebServers and Database to move to Cloud and provide full support to our intranet based system on Cloud. The new IaaS will address current IT Security risk and at the same time easy for scalability based on demands with latest upgrade to servers and systems.	\$100,000
FES	2	Consulting Services for System Replacement	This is a DISCOVERY project. The contracted consultant will help the Assessor's Office define the systems requirements to be incorporated into an agreement to replace the system and assess organizational readiness to begin implementing a solution.	\$500,000
FES	2	SYMPRO Replacement	This is a DISCOVERY and IMPLEMENTATION project. The project is to migrate from the old system (SYMPRO), set up the new system (TBD), and to integrate with new system with the County's financial/accounting system (SAP).	\$23,120
FES	2	SAP New G/L Implementation	This is an IMPLEMENTATION project. SAP New G/L functionality need to be implemented to address this issue.	\$0
FES	2	Employee Systems Standardization	This is a DISCOVERY project to focus on automation of Retro processing (Payroll and Benefits), implementation of a 'single employee ID' (required for Self Service), Self Service (HR, Benefits, Payroll), On-boarding module evaluation (HR, Payroll) and utilize standard automation capabilities provided by the software and bring County up to date with industry best practices.	\$500,000
SHR	2	Metadata - Data Cataloging and Classification	This is an IMPLEMENTATION project to procure MS Azure Data Catalog, configure and setup environment, and begin inventorying and cataloging data assets, determine metadata guidelines. Work with Chief Privacy and Security Officers to review classifications and perform risk assessments and audits. Work with Business Resource Managers to document business definitions, glossaries, terms, and rules.	\$249,000

Appendix 3 - IT Project Requests Fiscal Year

Vertical	Tier	Project Name	Project Objectives:	<u>Total</u> Recommended One-Time Project Funding
SHR	2	Unified Change Management Implementation	This is an IMPLEMENTATION project to define and establish a Unified Change Management program, implement tools, integration with IT Services Management and other tools; establish and provide training for requestors, service desk, service owners, domain experts, incident and problem and change managers with documents and guides; and engage organizational change management, socialize and communicate to customers impacted by change management implementation.	\$272,000
SHR	2	Configuration Management Data Base CMDB Light	This is an IMPLEMENTATION project using existing tools to define and document operations processes for CMDB maintenance, maintaining configuration management database (CMDB), task automation to populate CMDB using scanning tools such as Lansweeper, training and adoption.	\$312,000
SHR	2	Event monitoring and alerting	This is an IMPLEMENTATION project to define business processes and implement a monitoring and alerting systems for service outages using existing toolset. The effort will also include developing run books / operating procedures, reports and dashboard, in addition to providing training and adoption.	\$85,000
SHR	2	Idea Intake Platform	This is a DISCOVERY and IMPLEMENTATION project to define operational processes for taking an idea to a feasible project using existing tools such as Cherwell and Implement online form to capture 5 questions (name/title, description, benefits, requester's name and email and data collection) and additional enrichment attributes using Cherwell and Planview. The effort will include development and delivery of training materials, and conduct training sessions.	\$287,000
SHR	2	Service Catalog Implementation	This is a DISCOVERY and IMPLEMENTATION project to improve and streamline the request for our IT services and delivery. The project will also integrate with other tools such as Apptio, Planview, Aspera SmartTrack to provide a holistic view of the service delivery lifecycle and chargebacks. In addition, the scope of the project will include the development of training material and conduct user training.	\$130,000
SHR	2	Problem Management	This is a DISCOVERY and IMPLEMENTATION project to define problem management processes and implement Problem Management using existing tools. In addition the solution will integrate with other solutions for tracking and reporting as needed, and automate process flow where necessary. The scope will include the development of training materials and conducting training.	\$65,000

Appendix 3 - IT Project Requests Fiscal Year

Vertical	Tier	Project Name	Project Objectives:	<u>Total</u> Recommended One-Time Project Funding
SHR	2	Data Governance Resource Center and Analytical Work	This is a DISCOVERY and IMPLEMENTATION project to: Collect and organize content; produce FAQs and guidebooks; produce a blog; set up email notifications; tag content and optimize search engines. Build a custom application / configuration on top of Cherwell ITSM Platform. Construction of PowerBI dashboards and analytics to monitor requests and status.	\$529,400
SHR	2	PMO Roadmap and Toolset Enhancements	This is an ENHANCEMENT project. The project will address the following areas: <ul style="list-style-type: none"> * Repurpose and enhance the PM Toolkit based on lessons learned from past years and simplify use for better adoption by the Project Managers. * Enhance Project Portfolio Management (PPM) tool configuration to allow for better capacity and demand management, time tracking and ability to manage large programs and portfolios consistently across TSS. * Improve project, program and portfolio reporting. * Use enhanced features of the PPM tool such as Agile methodology, task management and business intelligence. * Develop Project Manager Competency Model to assess and improve PM skills and training. 	\$250,000
SHR-PSJ	2	Mobile Device Technology (MDT) Tablets	This is an IMPLEMENTATION project to buy replacement and additional devices.	\$755,610
SSA	2	BPC Version Upgrade and Migration to Cloud Solution	This is a DISCOVERY project. The initial project scope is to assess best way forward for an upgrade to a newer, supported version of SAP BPC. We would like to move towards the cloud solution, but we may be limited technically and may have to upgrade to version 10.1 first, before we can upgrade to the cloud version.	\$39,000
SSA	2	SSA Contracts Management System Phase 2: Procurement 122	This is a DISCOVERY and IMPLEMENTATION project. Several Counties in CA are using CitySpan to manage their contracts and vendor performances. We are interested in looking at that system to see how it may meet our needs. We have looked at Ariba and similar systems, but those are purely contract management. We need to have a vendor management module to ensure Contract Service Level Agreements are met and adhered to.	\$273,000
SSA	2	IHSS Automated Intake Application Distribution 118	This is a DISCOVERY project to assess a software solution that will enable an automated sorting/distribution of applications based on specified criteria (e.g., language, Social Worker I vs. Social Worker II, geographic consideration, case weight, etc.).	\$7,500
SSA	2	IHSS E-Forms	This is a DISCOVERY project to assess the request and ascertain if a system that provides this functionality exists in other institutions. We will then review whether the tool can be developed internally and conduct an assessment of options towards fulfilling the request. If appropriate, an RFP may be needed as a subsequent step.	\$7,500

Appendix 3 - IT Project Requests Fiscal Year

Vertical	Tier	Project Name	Project Objectives:	<u>Total</u> Recommended One-Time Project Funding
SSA	2	SNP Participant Management and Card Reader System 121	This is a DISCOVERY project to assess the implementation of a system where mandated reporters could get confirmation via secured channel and populate data into the new APS Case Management system intake queue.	\$50,000
SHR	3	Small Change Delivery	This is a DISCOVERY project to define a small change management process and identify possible solutions by looking at existing tools in the County such as Apptio and Planview, industry standards and integration opportunities to provide better services to the County departments and residents.	\$60,000
HS	4	Netsmart Conversion Project	This is an IMPLEMENTATION project to support the deployment of the Netsmart myAvatar Electronic Health Records, including implementation of OrderConnect, End User Training, myHealthPointe, CarePOV and Document Capture. Funding includes licensing, training and implementation costs. In addition, the project will include rollout of ProviderConnect.	\$7,303,015
TOTAL GENERAL FUND				\$24,691,223

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