

Project No & Title	Department Name	Project Manager	Strategic Pillar Description	Project Location	Project Description / Scope / Purpose	Environmental Determination
FY27 Temp 10 - Fleet Shop Retrofit	Public Works	Dan Sunseri	Deliver and Enhance High Quality Efficient Services and Infrastructure	Street Corp Yard - Fleet Shop	This project funds a feasibility/needs assessment of the City's Fleet Shop in the Street Corporation Yard to determine its retrofitting needs to meet the evolving compliance and regulatory requirements, industry standards, operational efficiencies, safety compliance, and the City's changing Fleet inventory. Based on the results of the study, a future project would be	CEQA Guidelines Section 15262, Feasibility and Planning Studies
FY27 Temp 09 - Emergency Backup and Collection System Enhancements for Closed Landfill	Public Works	Colleen Trostle	Deliver and Enhance High Quality Efficient Services and Infrastructure	City of Santa Clara	The Permit to Operate the landfill's methane gas control system issued by the Bay Area Air District (BAAD) requires continuous operation of a methane control device with an exemption of 240 hours per calendar year for maintenance or other unforeseen shutdowns. The Ameresco power plant currently serves as the primary methane gas control device and the City's flare facility serves as the secondary control device when the power generating facility is not operating. The power purchase agreement with Ameresco expires in December 2029, however, Ameresco has indicated intentions to terminate its lease and power purchase agreement early. The City's flare facility will become the sole control device after power generation discontinues. This project will add resilience to the methane gas collection system and flare by installing backup power and gas collection improvements to maintain compliance with BAAD regulations.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27 Temp 13 - Storm Drain Master Plan Update	Public Works	Huy Nguyen	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	In 2015, the City completed a Storm Drain Master Plan to better manage its storm drain system. The plan identified existing system capacity deficiencies and over \$270 million in potential Capital Improvement Projects. An update to the Master Plan is now needed to address current and future development, changes in downstream creek flows, impacts of climate change, aging infrastructures, updates to the pipeline network, and updated construction estimates. The updated plan will focus on collecting complete and accurate system data to develop a comprehensive Geographic Information System (GIS) database and updated hydrologic and hydraulic models. These tools will support effective asset management and performance evaluation. The scope of work includes data collection, field verification and surveying, coordination with internal and external stakeholders—including Valley Water—modeling, GIS updates, and creation of new database information using current software platforms capable of supporting future storm drain capacity improvement projects. The result of this project will yield a capital improvement program with projects to be implemented based on available funding and resources.	Storm Drain Master Plan Update EIR to be prepared as part of the planning process
FY27 Temp 21 - Lickmill Storm Drain Pump Station Rehabilitation	Public Works	Vincent Luchessi	Deliver and Enhance High Quality Efficient Services and Infrastructure	Lickmill Storm Drain Pump Station	The Lickmill Storm Drain Pump Station (SDPS) was constructed in 1988. The Lickmill SDPS contains all original electronics and mechanical equipment without any major replacement work. Due to the age of the Lickmill SDPS, the City has difficulties procuring parts to replace and maintain existing systems. This project funds an evaluation of the Lickmill Storm Drain Pump Station to determine the scope of recommended improvements.	CEQA Guidelines Section 15262, Feasibility and Planning Studies
FY27 Temp 22 - Tri-Level Underpass Storm Drain Pump Station Rehabilitation	Public Works	Vincent Luchessi	Deliver and Enhance High Quality Efficient Services and Infrastructure	Tri-Level Underpass Storm Drain Lift Station	The Tri-Level Underpass Storm Drain Lift Station (SDLS) was constructed in 1968. The Tri-Level Underpass SDLS contains all original electronics and mechanical equipment without any major replacement work. Due to the age of the Tri-Level Underpass SDLS, the City has difficulties procuring parts to replace and maintain existing systems. This project funds an evaluation of the Tri-Level Underpass Storm Drain Lift Station to determine the scope of recommended improvements.	CEQA Guidelines Section 15262, Feasibility and Planning Studies
FY27 Temp 23 - Fairway Glen Storm Drain Pump Station Rehabilitation	Public Works	Vincent Luchessi	Deliver and Enhance High Quality Efficient Services and Infrastructure	Fairway Glen Storm Drain Pump Station	The Fairway Glen Storm Drain Pump Station (SDPS) was constructed in 1989. The Fairway Glen SDPS contains all original electronics, and mechanical equipment without any major replacement work. Due to the age of the Fairway Glen SDPS, the City has difficulties procuring parts to replace and maintain existing systems. This project funds an evaluation of the Fairway Glen Storm Drain Pump Station to determine the scope of recommended improvements.	CEQA Guidelines Section 15262, Feasibility and Planning Studies
FY27 Temp 06 - Bikeway Study Policy	Public Works	Carol Shariat	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	On March 4, 2025, City Council directed staff to develop a Bikeway Study Policy to guide the development of future bikeway studies in Santa Clara. This project will develop a City policy related to the study and implementation of new bikeways along corridors with constrained right-of-way and where on-street parking or vehicle travel lanes may need to be removed to accommodate new bicycle facilities. Additionally, this effort will look at how best to implement parking protected bicycle lane designs. The project will focus on outreach, transportation metrics, and recommended standards and transportation thresholds for future decision making by Council and City staff.	CEQA Guidelines Section 15262, Feasibility and Planning Studies
FY27 Temp 07 - Bicycle Parking	Public Works	Ralph Garcia	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	The City's Bicycle Masterplan includes recommendations to install additional bicycle parking in Santa Clara. In FY 2026-27, this project will install new and additional bicycle parking at end of trip priority locations identified in the Bicycle Masterplan in coordination with the City's Bicycle and Pedestrian Advisory Committee (BPAC).	Bicycle Master Plan EIR
FY27 Temp 08 - Citywide Traffic Intelligence	Public Works	Ralph Garcia	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	This project will procure and utilize transportation big data (i.e. large-scale data) to enhance mobility planning, traffic operation analysis, and traffic safety evaluation. By integrating large-scale data from sources such as GPS, sensors, and transit systems, the effort will provide real-time insights into travel patterns, congestion, and system performance. These insights will inform data-driven decision-making to improve traffic management, enhance mobility, identify safety improvement areas, support long-term transportation planning efforts, and advance key programs such as the Pedestrian and Bicycle Master Plans and the Vision Zero program.	Categorically Exempt, CEQA Guidelines Section 15306, Information Collection
FY27 Temp 18 - Water Conservation and Drought Tolerant Landscaping	Public Works	Mathew Mendriski	Promote Sustainability and Environmental Protection	Center Medians and Roadsides	Existing turf areas will be converted to water-efficient and drought-tolerant landscaping to save resources and support biodiversity and natural pollinators. The project will include removal of existing turf and irrigation and conversion to native plant material, ground cover and drip irrigation. This project does not include removal of any trees, and existing trees will be incorporated into the design. Because the City has multiple turf areas, the project will be delivered in multiple phases. Phase 1 of the Project is located at the City Hall campus. Phase 1 locations: 1) Turf along Lincoln St (Warburton Ave to Civic Center Dr) (10,000 sq ft) 2) Turf at the corner of Lincoln St and Civic Center Dr (8,000 sq ft) 3) Turf area on the south side of the fountain (610 sq ft) 4) Turf area in front of Berman Building (330 sq ft)	Categorically Exempt, CEQA Guidelines Section 15301(c), Existing Highways and Streets
FY27 Temp 19 - Median Islands Water Conservation and Drought Tolerant Landscape Improvements	Public Works	Matthew Nguyen	Promote Sustainability and Environmental Protection	Center Medians and Roadsides	This project identifies medians and public rights-of-way that should be renovated with waterwise landscaping. The project also includes the development of water conservation and drought tolerant landscape standards within the public rights-of-way and the removal of existing turf/shrubs/plants/irrigation to renovate with native plant material, ground cover and drip irrigation. Existing trees would be evaluated with the intent to incorporate healthy trees into the design. Because the City has multiple medians and public rights-of-way, the project would span multiple years and be separated into phases. Renovation involves a two-year process with design/bid in year 1 and construction in year 2. Phase 1 locations include portions of center median islands and street corner landscaping on Winchester Boulevard and Lafayette Streets. The project currently funds Phase 1 design costs and is unfunded for the out years.	Categorically Exempt, CEQA Guidelines Section 15301(c), Existing Highways and Streets
FY27 Temp 20 - Public Right of Way Standard Specs and Detail Update	Public Works	Brandon Coco	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	The City's Standard Details and Specification (Standards) for public works construction were last issued in 2013, with minor updates issued periodically to individual elements in the Standards. This project will complete a comprehensive review and revise the Standards in coordination with existing long range planning plans (e.g., ADA Self-Evaluation and Transition Plan, Bicycle Plan, Pedestrian Masterplan, and Vision Zero Plan) along with revisions necessary to reflect changing products, practices, and methods in the public works construction industry. This project will utilize professional engineering consultant support services to perform evaluations of documents, provide recommendations for changes, and complete computer aided drafting services.	Not a Project, CEQA Guidelines 15061(b)(3), to "Not a Project, CEQA Guidelines 15378(b)(5)

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FY27 Temp 04 - Central Park Library - Carpet Replacement	Library Department	Lee Hagan	Deliver and Enhance High Quality Efficient Services and Infrastructure	Central Park Library	This project replaces the carpeting in the public areas of the Central Park Library. It addresses a key maintenance need in one of the City's most heavily used public facilities, which welcomed 463,368 visitors in FY 2024/25. Given this high level of daily use, maintaining an attractive and welcoming environment is essential, and the carpet is a highly visible element that contributes to the library's appearance. The existing carpet, last replaced in 2015, is heavily worn and visibly outdated. Replacement carpet tiles are no longer available, as the product line has been discontinued, limiting the City's ability to maintain or repair the flooring. Full replacement is therefore necessary to ensure continued upkeep and a positive visitor experience.	Categorically Exempt, CEQA Guidelines Section 15301 (a), Interior Alterations
FY27 Temp 12 - Central Park Library - Repaint Interior	Library Department	Lee Hagan	Deliver and Enhance High Quality Efficient Services and Infrastructure	Central Park Library	This project addresses essential maintenance of public spaces at the Central Park Library, one of the City's most heavily used public facilities, which welcomed 463,368 visitors in FY 2024/25. Given this high level of use, it is important to maintain an attractive, well-maintained, and welcoming environment. The project focuses on patching and repainting public areas, as the existing paint is original to the building, more than 20 years old, and visibly worn and faded in many locations. The deteriorated paint detracts from the appearance of an otherwise vibrant and well-used facility. As a highly visible community space, this project is a priority to preserve the building's appearance and extend its service life as a valued community asset. Work will be limited to public areas and will not include staff-only spaces.	Categorically Exempt, CEQA Guidelines Section 15301 (a), Interior Alterations
FY27-NEW-ENG1 - Revenue Metering Improvement	Electric Utility	Juan Sandoval	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	This project will replace the existing SVP revenue meters in SVP owned 60kV substation junctions with upgraded revenue meters, replace an obsolete MV-90 server, and implement the associated communication system, including integration with Santa Clara's Meter Data Management (MDM) system and Customer Information System (CIS) billing system. The scope includes a comprehensive review of the existing Advanced Metering Infrastructure (AMI), including meters, gateways, the backhaul network, headend system, MDM, and the MV-90 system to identify and design solutions for optimal integration. Input from revenue metering and billing stakeholders will be gathered to assess missing functionalities and needed enhancements such as net metering, time-of-use rates, and outage management. This information will support a full "Meter-to-Cash" assessment to determine required system upgrades, replacements, reconfigurations, and improvements to processes and reporting.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-GEN2 - Hydro Penstock Repairs	Electric Utility	Alex Price	Deliver and Enhance High Quality Efficient Services and Infrastructure	Remote Assets	Penstocks are pressure pipes that convey water from the reservoirs to the hydroturbines. The penstocks at the Black Butte and Stony Gorge hydro facilities were inspected as part of routine maintenance. These penstocks were found to require base-metal repairs at areas of wall thinning. In addition, the coating systems need to be restored to prevent further degradation.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-GEN4 - DVR Spare Engine Procurement Project	Electric Utility	Tahsin Baccioğlu	Deliver and Enhance High Quality Efficient Services and Infrastructure	850 Duane Avenue	SVP plans to procure an additional GE LM6000 gas turbine engine to enhance system reliability and maintain continuity of service during periods of high demand for the Donald Von Raesfeld (DVR) power plant. DVR is a city-owned combustion turbine generating facility located within the City of Santa Clara that operates with two installed turbine bays and three total engines, with one spare rotated into service when an operating unit is removed for scheduled maintenance. However, extended maintenance durations and industry-wide long lead times for overhauls and replacement parts create significant operational risk when only a single spare is available. Procuring a second spare engine will reduce the likelihood of service disruptions during peak load conditions, improve operational flexibility, and strengthen overall system reliability.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-OPS1 - SCADA Upgrade	Electric Utility	Jeff Ipsaro	Deliver and Enhance High Quality Efficient Services and Infrastructure	1705 Martin Ave; 881 Martin Ave	This project will upgrade SVP's existing and end-of-life Supervisory Control and Data Acquisition (SCADA) system. The SCADA system is a critical tool used by NERC-certified operators to monitor and control the SVP power grid and is regulated under North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) standards.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN1 - CAISO 3rd 230kV T-Line Into NRS	Electric Utility	Sadhana Shrestha	Deliver and Enhance High Quality Efficient Services and Infrastructure	4952 Bill Walsh Way; 810 Thomas Foon Chew Way	This project expands SVP's 230 kV facilities at NRS and the SVP Switching Station (SSS) to meet the California Independent System Operator's (CAISO) proposed requirement for a new 230 kV transmission line into SVP's Northern Receiving Station (NRS) by 2030. At NRS, the work includes expanding the existing 230 kV double bus, installing a new 230/115 kV 500 MVA transformer, relocating an existing 115 kV line, installing higher capacity 80kA breakers, building new interconnection structures for the incoming CAISO 230 kV lines, and upgrading the protection and control equipment in the control rooms. At SSS, the work may involve one of several options: installing a second 500 MVA phase-shifting transformer (PST), purchasing a spare 500 MVA PST, or installing a second 1000 MVA PST. The 1000 MVA PST option would also require reconductoring the 230 kV overhead line between NRS and SSS and the emergency rating of the existing underground cable between the two stations will need to be evaluated.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN2 - System Wide Distribution Capacitor Replacement	Electric Utility	Eric Shum	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	This project will install new distribution capacitor banks on feeders where additional reactive power (Volt-Ampere Reactive or VAR) support is needed and implement SCADA-enabled remote operation and telemetry on selected units. These new installations and upgrades will bring general distribution substation banks closer to unity power factor, enhancing overall efficiency, reliability, and performance of the distribution system.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN3 - Central Expressway Underbuild Double Circuited 60kV & 12kV	Electric Utility	Eric Shum	Deliver and Enhance High Quality Efficient Services and Infrastructure	Central Expressway	This project will replace poles along Central Expressway to enable double-circuited 60 kV lines above and 12 kV lines below. The work will be coordinated with other 60 kV projects, including loop rebalancing projects. The project is driven by continued load growth from existing customers and new developments in the area. This approach maximizes existing station capacity, defers upgrades to Uranium and Walsh substations, and provides operational flexibility to transfer load between stations for future maintenance or system improvements.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN4 - NRS to Agnew 60 kV Line Reconductoring	Electric Utility	Sadhana Shrestha	Deliver and Enhance High Quality Efficient Services and Infrastructure	2375 Agnew Rd; 4952 Bill Walsh Way	This project involves reconductoring a section of the Northern Receiving Station-to-Agnew Substation 60 kV line and upgrading associated breakers and disconnects to increase capacity and reliability. Completion of this work, along with related upgrades at the Northern Receiving Station, will allow the Northeast loop to operate at higher load levels under both normal and emergency conditions, improving overall system performance and flexibility. This project will be coordinated with the Agnew Rebuild and Expansion project.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN5 - Flexible Load Management Program	Electric Utility	Sadhana Shrestha	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	This project enhances SVP's existing manual load shedding program by implementing a flexible load interconnection program that allows existing 60kV data center customers to ramp up to higher load levels by accepting flexible capacity. This project will maintain SVP grid reliability during the balancing area and local system emergencies. SVP will work with data center customers to gain access to their 12kV circuit breakers, enabling SVP to shed data center loads through SVP supervisory control and data acquisition (SCADA) if data center customers cannot comply with SVP load shedding requests. This project will require installation, programming, configuration, and commissioning of protection and control (P&C) devices such as real-time automation controllers (RTACs), protective relays, circuit breakers, SCADA panels, and fiber-optic cables. In addition, it will require customers to communicate analog and digital points to SVP.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN6 - Uranium Feeder Reliability Improvement	Electric Utility	Allan Agatep	Deliver and Enhance High Quality Efficient Services and Infrastructure	2705 Bowers Ave	This project will modernize and improve distribution reliability for feeders exiting Uranium Substation. The scope includes reconductoring the first approximately 1,000 feet of each feeder phase from the substation gateway to the nearest riser with new underground cable, updating terminations and splices, and improving concentric-neutral bonding. New SCADA-integrated reclosers will be installed at roughly half of the total circuit length (about 1.5 to 2 miles downstream) to create a new protection zone, enhance sectionalizing, and reduce the impact of outages. The project also includes updating protection settings, integrating communications and remote terminal units (RTUs), and completing as-built documentation.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities

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FY27-NEW-PLN7 - Spare Equipment Strategy & Procurement	Electric Utility	Allan Agatep	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	This multi-year program reconditions legacy substation transformers to create a strategic spare fleet and procures a new dedicated Generator Step-up (GSU) transformer for Duane Substation. The program includes refurbishing select 60/12 kV units from existing sites and acquiring a turnkey 130 MVA spare transformer, which will be stored ready for rapid deployment in the event of a transformer failure. The primary purpose is contingency readiness to minimize outage duration and risk by ensuring immediate-fit spares are available. The program supports asset management objectives by enhancing safety, reliability, lifecycle value, and resiliency through standardized spare interfaces, improved condition visibility via monitoring, and codified storage and mobilization practices.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN8 - Dynamic Facility Ratings Project	Electric Utility	Allan Agatep	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	This project will develop and implement a Dynamic Ratings Program across SVP's transmission assets to safely increase asset utilization and expand operating capacity. The program will introduce Dynamic Line Ratings (DLR) for selected overhead lines by calculating real-time thermal capacity using environmental and loading conditions rather than static worst-case ampacity limits, as well as Dynamic Transformer Ratings (DTR) by determining real-time transformer capability based on thermal modeling of winding and oil temperatures. The project will integrate these dynamic ratings into SCADA/EMS/DMS systems, providing operators with actionable, time-varying capacity information, alarms, audit trails, and automated reversion to static ratings. It will also establish the operational standards, procedures, and training necessary for DLR and DTR to become routine tools in day-to-day grid operations. To complete this work, SVP will hire a consultant to perform the engineering analysis and develop program standards, procure the required software and sensors, and carry out the construction and integration activities necessary to deploy the technology in the field.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27-NEW-PLN9 - Duane Substation Bulk Electric System Compliance Requirement	Electric Utility	Sadhana Shrestha	Deliver and Enhance High Quality Efficient Services and Infrastructure	901 Comstock St	This project will ensure that Bulk Electric System (BES) elements associated with the Duane Substation's existing protection system meet North American Electric Reliability Corporation Transmission Planning (NERC TPL) 001-05 Category P5 compliance requirements. The work includes conducting a preliminary investigation to identify appropriate mitigation measures, which may include installing monitoring devices and communication systems to report data to the Control Center, adding redundant DC supplies, and implementing lockout devices and trip coils. The project also includes designing and implementing the selected mitigation solutions across applicable elements connected to the Duane Substation, such as generators, transmission lines, switchgear, transformers, and bus equipment.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities
FY27 - Temp 15 - Replacement VOIP Phone System for Aging Mitel Connect	Information Technology	Raj Singh	Deliver and Enhance High Quality Efficient Services and Infrastructure	City Hall	The current Mitel Connect (ShoreTel) VoIP platform is nearing end-of-life and support from the vendor. This project will replace the current system with a more modern, supported cloud-based solution.	Not a Project, CEQA Guidelines 15061(b)(3), "Not a Project, CEQA Guidelines 15378(b)(5)
FY27 Temp 14 - Pressure Regulating Zone Valve Replacement	Water and Sewer Utility Dept	Lawrence Tam	Deliver and Enhance High Quality Efficient Services and Infrastructure	Citywide	This project will fund the replacement of the City's 31 pressure regulating zone valves over the next five years. The City's water distribution system consists of three pressure zones and emergency interconnects to adjacent agencies. The zone valves regulate system pressures and flows at the boundaries of pressure zones and are critical for efficient and emergency operations.	Categorically Exempt, CEQA Guidelines Section 15301 (b), Existing Utility Facilities