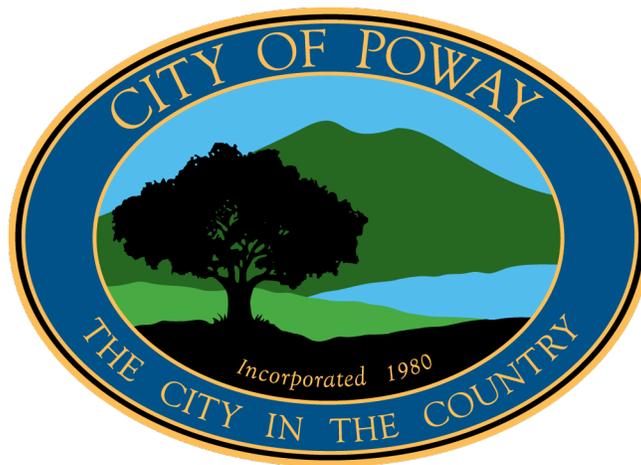


City of Poway

Capital Improvement Program

Project Highlights and Status Report

February 2019



If you have questions regarding this report,
please contact Melody Rocco, Senior Civil Engineer at (858) 668-4653 or mrocco@powav.org

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STATUS OF FUNDED CIP PROJECTS

Project Status

Complete:

1. Council Chambers AV Upgrade Project (\$636,648)
2. Water Distribution System/Treatment Plant Rehab (\$787,140)
3. PS1 Electrical Equipment Replacement (\$97,860)
4. Alta Mira Reservoir Rehabilitation (\$800,000)
5. 2018-2019 Street Striping Project (\$250,000)
6. 2018-2019 Street Maintenance Project (\$1,234,693)
7. Poway Dam Inundation Study (\$80,000)
8. Martincoit Exposed Sewer Hydraulic Study (\$50,000)
9. Veteran's Park POW/MIA Memorial (\$16,800)
10. Twin Peaks Road Speed Feedback Signs (\$35,000)

Substantially Complete:

1. ADA Barrier Removal 2017-2018 Lake Poway Path of Travel (\$104,380)
2. 2018 CMP Repairs (\$300,000)
3. Swim Center Renovation Projects (\$3,276,100)

Under Construction/Studies:

1. Traffic Signal Controller Upgrades Project (\$285,000)
2. Espola Road Safety Improvements (\$5,144,067)
3. Buehler Reservoir Rehabilitation (\$1,320,940)
4. Community Park Electrical Upgrades (\$171,100)
5. WTP Washwater Tank Upgrades (\$270,000)

Bid/Pre-Construction:

1. Fire Station 3 Photovoltaic System (\$215,009)
2. Sewer Line Repair Replace (Pomerado/Stone Canyon) (\$670,000)
3. Poway Dam Maintenance and Security Project (\$380,000)

Design:

1. Mickey Cafagna Community Center (\$13,190,250)
2. Martincoit Road Sewer Upsize (\$2,300,000)
3. Boulder Mountain Reservoirs 1 & 2 Rehabilitation (\$605,000)
4. City Hall Hydronic Piping Replacement (\$165,000)
5. Chemical Building and Tank Farm Upgrades (\$1,700,000)
6. Valle Verde Park Playground Renovation (\$280,000)
7. Poway Road Turn Pocket Extension (\$369,400)
8. Espola Road Bike Lanes (\$200,000)
9. 2018-2019 Street Overlay (\$660,000)

Pre-Design:

1. Annual Sewer Manhole Rehabilitation (\$150,000)
2. Butterfield Trail Sewer Upsize (\$1,300,000)
3. 36" Steel Water Main Assessment (\$120,000)
4. Poway Road Pedestrian/Bicycle Project (\$900,000)
5. Clearwell Upgrades Design and Assessment (\$520,000)

6. PCPA Fire Curtain and Smoke Hatch Upgrades (\$210,000)
7. Rattlesnake Creek Integrity Study (\$50,000)
8. WTP Clearwell Distribution Flow Meters (\$350,000)
9. Power to Blue Crystal Reservoir (\$100,000)
- 10. Sewer Line Repair/Replace 16/17 (Exposed Sewer East of Martincoit) (\$300,000)**

STREETS AND HIGHWAYS

Espola Road Safety Improvements – CIP #STR0001 (12010)

<u>Project Manager:</u>	Melody Rocco
<u>Total Appropriation:</u>	\$5,144,067.26
<u>Unencumbered Funding:</u>	\$878,162
<u>Design Status:</u>	100% complete
<u>Start of Construction:</u>	April 2018
<u>Estimated Completion of Construction:</u>	August 2020

Project Description: In 2013, the City finalized the Espola Road Improvement Project Environmental Impact Report (EIR) based on a project scope that included improving Espola Road between Twin Peaks Road and Titan Way to a three-lane roadway with curb, gutter and sidewalks, and signaling the intersection of Espola Road and Durhullen Street/Golden Sunset Road. The EIR was certified by the City Council in June of 2013; however, the City Council did not support the construction of the full project scope identified in the EIR. In October 2013, the City Council directed staff to pursue a pedestrian safety project consisting of a multipurpose trail on the west side of Espola Road from Mountain Road to Willow Ranch Road. The project also included the undergrounding of overhead utilities along a portion of the project (approximately 2,000 linear feet) using the City's available 20A funds. At the Council workshop on Prioritization of General Funds in April of 2016, completion of undergrounding along the balance of the project was rated as a high priority. In June of 2016, Council approved a resolution of intention to establish the second undergrounding district along the remaining portion of the project, and in the Biennium Budget approved on June 21, 2016, Council appropriated \$2,600,000 from the general fund for the additional undergrounding.

Status: The construction contract with Just Construction, Inc. has been cancelled. Public Works staff has completed general site clean-up. The traffic signal and roadway striping have been returned to the previous condition. Staff is working with the design consultant to produce plans for constructing the remainder of the first phase of construction, which includes site grading and retaining walls required for the utility undergrounding. This design is anticipated to be complete in the next three months. A separate design will be produced to construct the final DG path surface, replace driveway approaches, and install street lights as well as split rail fencing. SDG&E has begun the undergrounding activities in the 20A portion of the project between Mountain Road to just north of Jerome Drive.

Espola Road Bike Lanes CIP #STR0009

<u>Project Manager:</u>	Jeff Beers
<u>Current Appropriation:</u>	\$200,000 (Design)
<u>Total RTIP Appropriation:</u>	\$1,102,200
<u>Design Status:</u>	Project Kickoff
<u>Start of Construction:</u>	July 2020
<u>Estimated Completion of Construction:</u>	January 2021

Project Description: The scope of the project includes the widening of the narrow section of Espola Road from just south of Range Park Road to just north of Poway Road to accommodate wider travel lanes and include bike lanes in both directions. This project is funded through RTIP over several years to cover design and construction.

Status: Staff issued a RFP for design services. The project design services contract was awarded to NV5 at the February 19, 2019 Council Meeting. The first task for the design team is to complete a feasibility study. The study will determine if additional right-of-way will be required and what improvements will be allowed within the existing San Diego County Water Authority Easement that crosses Espola Road at the western border of the project.

GOVERNMENT FACILITIES

Mickey Cafagna Community Center – CIP #BDG0001 (1502B)

<u>Project Manager:</u>	Bob Manis
<u>Total Appropriation:</u>	\$13,190,250
<u>Completion of Construction Documents:</u>	February, 2019
<u>Start of Construction:</u>	July, 2019
<u>Estimated Completion of Construction:</u>	July, 2021

Project Description: This project will include the completion of construction documents and construction of a new Community Center building located in Community Park. The project includes the demolition and replacement of the four onsite buildings including the Senior Center, Auditorium, Public Works office and the Community Services office building. The new buildings will include an office block, classroom block, and larger meeting room block that will be situated on the same pad as the existing buildings. The plans include design of two versions of the Community Center floor plan, the Hybrid and Hybrid Plus.

Status: The construction documents are complete and have been submitted to the Building Division for plan check. Finishes and fixtures have been selected as well as building colors. On February 19, the City Council finalized the funding for the construction with an amount to cover the estimate for the Hybrid floorplan. The bid documents will list the Hybrid as the base bid and the Hybrid Plus as the additive alternate. City staff is in the process of hiring a full-time construction project manager to oversee the project through construction. Staff has also issued an RFP for commissioning services to ensure that the facility's commissioned systems are well designed, complete and functioning properly upon occupancy.

Ground Mounted Photovoltaic System Fire Station #3 – CIP #BDG0005 (1566A)

<u>Project Manager:</u>	Melody Rocco
<u>Total Appropriation:</u>	\$215,009
<u>Design Status:</u>	25% Complete
<u>Estimated Start of Construction:</u>	July 2019
<u>Estimated System Activation:</u>	December 2019

Project Description: This project will include the installation of ground mounted photovoltaic panels in the open space northwest of Fire Station #3. Environmental and reflectivity studies will be required and are included in the project scope. This project will be financed through a Power Purchase Agreement (PPA). Appropriated funding for the project will be from the capital improvement fund for fees to SDG&E including but not limited to removal and installation of a transformer, a generation output meter, system upgrades, application fees, and permitting. This project will decrease the energy costs on up to 50 City accounts by approximately 80% annually and reduce the City's greenhouse gas (GHG) emissions to support AB32 regulations.

Status: Staff is coordinating on what type of interconnection to SDG&E will be needed for this project. Staff is also working with Borrego Solar Systems, Inc. on coordinating some minor revisions to the PPA. The revised PPA will be presented to City Council for approval. The CUP will also be presented to City Council for approval in the coming months.

PARKS AND OPEN SPACE

Swim Center Projects – CIP #BDG0002 (1632)

<u>Project Manager:</u>	Jeff Beers
<u>Total Appropriation:</u>	\$3,276,100
<u>Design Status:</u>	100% Complete
<u>Estimated Start of Construction:</u>	January 2018
<u>Estimated Completion of Construction:</u>	August 2018

Project Description: The proposed Swim Center renovation currently consists of four projects: pool deck replacement including diving boards and plaster; the mechanical systems upgrade project; the shower rooms/office renovation including the construction of a new office building; and the splash zone project. The first two projects were funded with the 2015-2017 budget, and the shower rooms/office renovation and the splash zone were funded as a result of the Council Workshop on Funding Options for General Fund Prioritized Projects in April 2016.

Status: This project is substantially complete. Staff is working with the Contractor to address warranty issues as well as a few minor incomplete items.

Valle Verde Park Play Equipment and Surface Replacement – CIP #PRK0004 (16005)

<u>Project Manager:</u>	Jeff Beers
<u>Total Appropriation:</u>	\$280,000
<u>Design Status:</u>	Design is approximately 30% complete
<u>Start of Construction:</u>	April 2020
<u>Completion of Construction:</u>	June 2020

Project Description: This project includes the removal of non-compliant playground equipment and surfacing. New playground equipment and surfacing will be installed.

Status: Staff is completing the design in house which is approximately 50% complete.

WATER UTILITIES

Alta Mira Reservoir Rehabilitation – CIP # 1763

<u>Project Manager:</u>	Christine Pawlik
<u>Total Appropriation:</u>	\$800,000
<u>Design Status:</u>	Complete
<u>Start of Construction:</u>	January 2018
<u>Estimated Completion of Construction:</u>	August 2018

Project Description: This project will address corrosion issues and will rehab mechanical system issues due to the age of Alta Mira Reservoir, thus extending the useful life of the facility. This one-million-gallon reservoir was originally constructed in 1981 and has never undergone a full rehabilitation. The project will also include seismic evaluation.

Status: This project is complete.

Water Distribution System/Treatment Plant Rehab Project – CIP # 1764

<u>Project Manager:</u>	Jeff Beers
<u>Total Appropriation:</u>	\$787,140
<u>Design Status:</u>	Complete
<u>Start of Construction:</u>	June 2017
<u>Estimated Completion of Construction:</u>	December 2018

Project Description: The results of the recently completed water treatment plant and the water distribution system assessment studies were used to prioritize necessary water system repair and maintenance into a ten-year list of projects. This year's project addresses needs at the water treatment plant, including chlorine scrubber replacement, electrical conduit replacement, concrete repair in the washwater recovery vault and basin, washwater tank upgrades, and washwater pump station upgrades.

Status: This project is complete.

Poway Dam Maintenance and Security Project – CIP #WTR00015 (1772)

<u>Project Manager:</u>	Brian Banzuelo
<u>Total Appropriation:</u>	\$380,000
<u>Design Status:</u>	Complete
<u>Estimated Start of Construction:</u>	July 2019
<u>Estimated Completion of Construction:</u>	September 2019

Project Description: This project will rehabilitate the piezometer manifold at Poway Dam, and will add a surveillance system to monitor the dam. The piezometer manifold contains instruments that monitor the structural integrity of the dam. The manifold rehabilitation and surveillance system installation were recommendations from a recent consultant evaluation of the condition of the dam.

Status: The Security Upgrades portion of the project was advertised for construction and has received bids. The project was awarded on February 19. Due to the long lead time in the procurement of materials, construction is expected to start in July 2019 and be complete in August 2019. A consultant specializing in Dam Instrumentation was hired to more closely inspect the condition of the piezometer system. Due to its current condition and short remaining lifespan, the consultant did not recommend doing a rehabilitation. Instead, a full replacement of the piezometer system is recommended. Work on the piezometer system will not be done until funding is secured for the design and construction of a full replacement piezometer system.

Lake Poway Dam Inundation Study – CIP #

<u>Project Manager:</u>	Brian Banzuelo
<u>Total Appropriation:</u>	\$80,000
<u>Design Status:</u>	Design
<u>Start of Study:</u>	July 2018
<u>Estimated Completion of Study:</u>	December 2018

Project Description: This project consists of the preparation of an updated inundation map and supporting technical study for Poway Dam. The most recent inundation map for Poway Dam was prepared in 1973. Recent emergency regulatory action by the California Department of Water Resources requires the city to update its inundation map. The updated inundation map will identify areas of flooding in the event of a failure at Poway Dam, and will depict the elapsed timeline of the resulting flood. It will also determine the effect of a failure at Poway Dam on the nearest downstream dam, Lake Hodges. This map will be used to create an Emergency Action Plan to mitigate the risk of a flood caused by a dam failure and will be disseminated to appropriate public safety and emergency management agencies in potentially affected jurisdictions.

Status: The City's Consultant completed the Inundation Study and Emergency Action Plan and the City submitted these documents to the State in December 2018 for approval. Staff is awaiting comments and final approval from the State before project completion.

Clearwell Upgrades Design and Assessment - CIP #WTR0020

<u>Project Manager:</u>	Melody Rocco
<u>Total Appropriation:</u>	\$520,000
<u>Design Status:</u>	Pre-Design
<u>Start of Construction:</u>	November 2019
<u>Estimated Completion of Construction:</u>	March 2020

Project Description: The clearwell was originally constructed in 1964 and was relined in 1981. A floating cover was installed in 1983 and was replaced in 1998. This project provides a detailed condition assessment of the clearwell and of the piping from the plant filters to the clearwell which was installed in 1970. This project will also provide design for the replacement of the clearwell floating cover and required maintenance issues including the hatches and stairs.

Status: An RFP for design services has been drafted. The RFP will be finalized and issued in March. It is anticipated that staff will bring the award of consultant agreement to City Council in April.

Chemical Building and Tank Farm Upgrades – CIP #WTR0017

<u>Project Manager:</u>	Melody Rocco
<u>Total Appropriation:</u>	\$1,700,000
<u>Design Status:</u>	Design
<u>Start of Construction:</u>	August 2019
<u>Estimated Completion of Construction:</u>	March 2020

Project Description: This water treatment plant project replaces the existing polymer day tank, caustic soda tank no. 2, utility water pump, piping, valves, and equipment, and chemical meter pumps. The project also repairs concrete at the tank farm and installs a previously purchased sodium permanganate tank. This project was identified in the 2014 Water Treatment Plant Condition Assessment.

Status: The design of this project was completed in mid-2018. The project was put on hold to accommodate staff workload and to allow for bidding of the project with more time allowances for material manufacturing of valves. The project will be bid for construction in March or April.

Buehler Reservoir Rehabilitation – CIP #WTR0010

<u>Project Manager:</u>	Brian Banzuelo
<u>Total Appropriation:</u>	\$1,320,940
<u>Design Status:</u>	Design Complete
<u>Start of Construction:</u>	November 2018
<u>Estimated Completion of Construction:</u>	June 2019

Project Description: This project will address corrosion issues and will rehab mechanical system issues due to the age of Buehler Reservoir, thus extending the useful life of the facility. This 2.5-million-gallon reservoir was originally constructed in 1990 and has never undergone a full rehabilitation. The project will also include seismic evaluation.

Status: Construction started in November 2018 and the City's contractor is finalizing site preparation for the installation of the temporary tank, to be used while work is occurring inside Buehler Reservoir. Installation of the temporary tank will occur in February 2019 and the temporary tank will be in service by March 2019. Buehler Reservoir will then be emptied, and structural repairs and coating rehabilitation will occur until June 2019.

SEWER UTILITIES

Martincoit Road Sewer Upsize – CIP #SWR0004 (1833)

<u>Project Manager:</u>	Brian Banzuelo
<u>Total Appropriation:</u>	\$2,300,000
<u>Design Status:</u>	95% Complete
<u>Estimated Start of Construction:</u>	June 2019
<u>Estimated Completion of Construction:</u>	May 2020

Project Description: This project replaces surcharging pipes along Martincoit Road, between Espola Road and Camino del Valle. The 8-, 10-, and 12-inch pipelines are more than 50 percent full under existing peak dry weather conditions. The pipelines are surcharged under existing peak wet weather conditions for both the 5-year and 25-year modeled storm events. Approximately 1,870 feet of 8-inch diameter pipe will be replaced with 12-inch diameter pipe and 2,970 feet of 10- and 12-inch pipeline will be replaced with 15-inch diameter pipe.

Status: The City's Consultant has completed 100% plans and these are currently being reviewed by the City. Staff will advertise the project for bid in March 2019. Construction is slated to begin in June 2019, starting on Martincoit Road near Painted Rock Elementary School. The construction of the portion of the project on Martincoit Road will be complete by August 2019, while school is not in session, followed by the rest of the project. The City is working to finalize new sewer easements from two properties who have verbally agreed to grant easements to avoid removing several mature trees within the current easement.

Sewer Line Repair/Replace 16/17 (Exposed Sewer East of Martincoit) – CIP #SWR0001 (1829)

<u>Project Manager:</u>	Brian Banzuelo
<u>Total Appropriation:</u>	\$300,000 (Design)
<u>Design Status:</u>	Pre-Design
<u>Estimated Start of Construction:</u>	February 2020
<u>Estimated Completion of Construction:</u>	July 2020

Project Description: This project will replace an exposed 8” sewer main east of Martincoit Road near Willow Run Road. The 8” sewer line runs under an existing creek and has been exposed by erosion of the creek during winter storms.

Status: A surveyor was hired as part of the City’s as needed contract to perform a topographic survey of the exposed sewer area. This survey was completed in January 2019 and staff is currently reviewing the survey to evaluate design options to replace the exposed sewer line. Staff will issue an RFP for design once a design option is confirmed.