

**CITY OF REDLANDS**  
**MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION**  
**MEETING AGENDA**  
**MONDAY, AUGUST 1, 2022**

**ADEKUNLE OJO**  
Chairperson

**STEVE STOCKTON**  
Vice Chairperson

**VACANT**  
Commissioner

**ZACHARY TRAVIS**  
Commissioner

**THOMAS BREITKREUZ**  
Commissioner

**DAVID GARCIA**  
Commissioner

**CHANDRASEKAR 'CV'**  
**VENKATRAMAN**  
Commissioner

**JOHN R. HARRIS**  
Municipal Utilities  
& Engineering  
Director

**GOUTAM DOBEY**  
Engineering  
Manager

**KEVIN WATSON**  
Utilities Operations  
Manager

**KYLE WAGNER**  
Streets &  
Inspections  
Manager



**4:00 PM Open Public Meeting**  
**City Council Chambers**  
**Civic Center, 35 Cajon Street, Redlands, California**

*Although the meeting is open to the public, seating has been reduced to allow for social distancing.*

**To join via Zoom on a computer, laptop, or smart device:**  
Please visit [www.zoom.us](http://www.zoom.us), click on *Join a Meeting*  
Enter the **Meeting ID 898 9918 5397**, then run the Zoom launcher

**To join via Zoom with audio only (cell phone or landline):**  
Dial **1-877-853-5247**; Enter the **Meeting ID 898 9918 5397**

*Should the City lose connectivity on Zoom, we will halt the meeting until it can be restored. In the event the City cannot reestablish Zoom connectivity in a reasonable amount of time, the meeting will be adjourned to a future date.*

*Anyone desiring to speak on an agenda item at this meeting may do so during the consideration of that item. Due to time constraints and the number of persons wishing to give oral testimony, public comments will be limited to three (3) minutes.*

- To provide comment in person, simply raise your hand to speak*
- To provide comment through Zoom (on a computer, laptop, or smart device), click the "Raise Hand" button and the moderator will unmute you when it is your turn to speak*
- To provide comment via audio only (cell phone or landline), dial \*9 to "Raise Hand" and the moderator will identify you by your area code and last 3 numbers of your telephone number when it is your turn to speak.*

*The following comprises the agenda for the regular meeting of the Municipal Utilities/Public Works Commission of the City of Redlands.*

**CITY OF REDLANDS**  
**MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION**  
**MEETING AGENDA**  
**MONDAY, AUGUST 1, 2022**

**A. ATTENDANCE & CALL TO ORDER**

**B. PUBLIC COMMENT**

(Any person wishing to provide public comment may do so at this time.)

**C. APPROVAL OF MINUTES**

- a. **June 6, 2022 Regular Meeting Minutes**

**D. COMMUNICATIONS**

- a. **Director's Report**

**E. NEW BUSINESS**

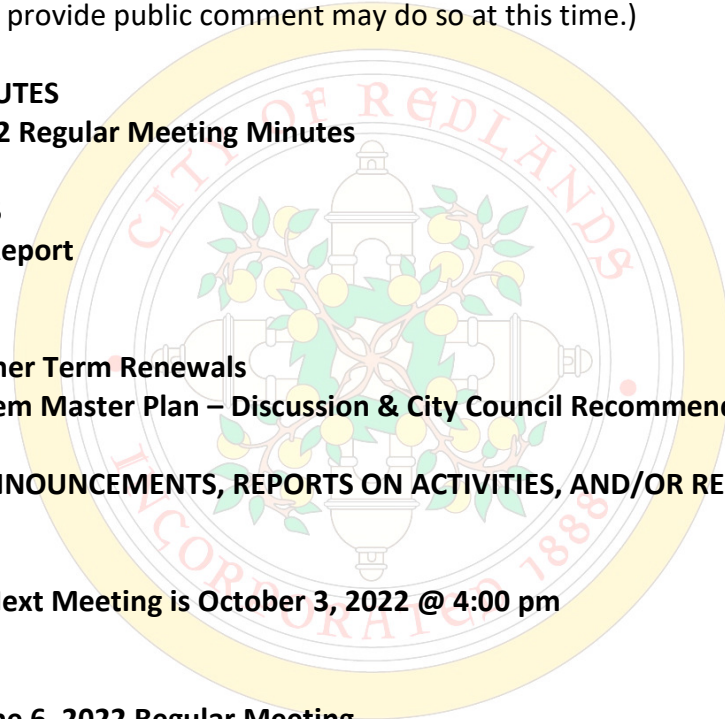
- a. **Commissioner Term Renewals**
- b. **Water System Master Plan – Discussion & City Council Recommendation**

**F. COMMISSIONER ANNOUNCEMENTS, REPORTS ON ACTIVITIES, AND/OR REQUEST FOR FUTURE AGENDA ITEMS**

**G. ADJOURNMENT – Next Meeting is October 3, 2022 @ 4:00 pm**

**ATTACHMENTS:**

- 1. Draft Minutes of June 6, 2022 Regular Meeting**
- 2. Director's Report**



**DRAFT**  
**(for MUPWC review on 8/1)**  
**MINUTES**

Regular meeting of the City of Redlands Municipal Utilities/Public Works Commission on June 6, 2022 at 4:00 PM in the Council Chambers at the Civic Center, 35 Cajon Street. The meeting was an in-person meeting with teleconferencing available via Zoom. Votes were conducted in person and by roll call.

**A. ATTENDANCE & CALL TO ORDER**

Present: Adekunle Ojo, Chairperson  
Steve Stockton, Vice Chairperson  
Thomas Breitreuz, Commissioner  
David Garcia, Commissioner  
Chandrasekar 'CV' Venkatraman, Commissioner

Absent: R. Brad Thoms, Commissioner  
Zachary Travis, Commissioner

Staff: John Harris, Municipal Utilities & Engineering Director; Goutam Dobey, Engineering Manager;  
Johana Silva, Commission Liaison/Assistant Engineer; Cindy Barstow, Senior Administrative Assistant

Chairperson Ojo called the meeting to order at 4:02 PM, thanked and welcomed everyone for attending, and offered any public present and joining virtually the opportunity to provide comment on any item on the agenda.

**B. PUBLIC COMMENT**

None forthcoming.

**C. APPROVAL OF MINUTES**

The minutes of the regular meeting of April 4, 2022, were unanimously approved.

**Vote:** 5 – 0 Passed

**D. COMMUNICATIONS**

**a. Director's Report**

Director Harris welcomed everyone to the meeting and provided highlights to his Director's Report.

Updates were provided on the following:

**DRAFT**  
**(for MUPWC review on 8/1)**

**MINUTES**

*Local Water Supply Picture:* Bunker Hill Basin is currently eighty-four percent (84%) full. Representatives from various agencies determined the optimal basin fill level to be between ninety percent (90%) to ninety-five (95%). Redlands will remain at Stage 2 water conservation restriction with no additional water use restrictions planned at this time. Additional restrictions may occur if Bear Valley Mutual Water Company and/or Crafton Water Company reduce delivery rates or if the Governor mandates the State Water Resources Control Board adopted an emergency water conservation regulation that will ensure more aggressive conservation by local water agencies. The regulation will be submitted to the Office of Administrative Law (OAL) for approval. The ban on non-functional turf becomes effective upon OAL approval and the Level 2 requirements are proposed to take effect on June 10, 2022.

*Water System Master Plans:* The Water Systems Master Plans (MP) document was provided in the agenda package for review and comments for possible action at the August commission meeting.

*WWTP2 Project Update:* Parsons provided a preliminary construction cost estimate of approximately \$56,000,000 in direct project costs totaling approximately \$90,000,000 for all project elements. Parson will provide a final Construction Cost Estimate for review. MUED staff and Parsons are developing construction phase bidding strategies to control costs.

*Sunset Reservoir Replacement - Land Lease Agreement:* The City and the landowner perform land appraisals individually. The appraisal gap between the two appraisals was massive. A third appraisal will be performed by an agreed independent party.

*Water Replacement Project:* Phase I of the five (5) year project is on-schedule (June 30, 2022 completion date) and on-budget. A Notice To Proceed (NTP) was issued for the second year of this project.

*PMP Update:* PMP is scheduled to be completed by the end of June. Painting of the bicycle lane along Brookside Avenue took longer than anticipated due to supply chain delays.

*Capital Improvement Project Update Q3 Update:* The department's CIP delivery schedule of projects (Attachment C) is aggressive with the intent to meet the obligation outlined in the FY 21/22 schedule of projects, of which an update, including tasks, timeframe/delivery of each was provided in the Director's Report. City Staff have completed or currently working on forty-eight (48) capital improvement projects in the FY 21/22.

*Well and Booster Pump Rehabilitation Project:* Rehabilitation of the Muni Well was initially scheduled for completion in the third year of the project. However, staff is rescheduling this portion of the project for completion in the first year. San Bernardino Valley Municipal Water District (SBVMWD) will share this cost evenly with the City under the terms of a Reimbursement Agreement, which obligates SBVMWD to a maximum reimbursement of \$157,000. City Council will consider the scope change on June 7, 2022.

**DRAFT**  
**(for MUPWC review on 8/1)**

**MINUTES**

*Automated Metering Infrastructure system:* City Council will consider a contract with Ferguson Waterworks to implement an Automated Metering Infrastructure system on June 21, 2022.

*Wastewater Treatment Plant Project, Phase 1B (WWTP P1B):* A variance hearing with South Coast Air Quality Management District (AQMD) is scheduled on Thursday, June 9, 2022 to extend the variance period to mid-August. The extension is needed due to supply chain issues in obtaining pressure-reducing valves to allow the gas conditioning system to operate.

Mr. Bell, resident, asked if Michael Baker was paid for sub-standard work on the Water System Master Plan. Mr. Harris clarified that the payment was stopped.

Commission inquiries ensued regarding joint ownership of mutual water companies and the City owning the majority of shares but not having a seat on the board to vote. Discussion continued regarding the Request For Proposal (RFP) for the Well Perchlorate Treatment Evaluation, targeting wasteful water practices, the sustainability of rebates and AMI data collection.

**E. NEW BUSINESS**

**a. Distribution of Updated Water System Master Plan**

A draft copy of the plan was provided to the commission. Mr. Harris item was deferred to the next scheduled meeting of the commission. Discussion, questions, comments at next meeting.

**F. COMMISSIONER ANNOUNCEMENTS, REPORTS ON ACTIVITIES, AND/OR REQUESTS FOR FUTURE AGENDA ITEMS**

Items requested for the next regular Commission meeting agenda were as follows:

Economics of the Water Conservation (Landscaping) - Discussion of savings regarding turf, trees, and landscaping.

Water Master Plan, Potable and Non-Potable – Discussion of the proposed citywide master plan for the water master plan, potable and non-potable, for the commission’s review during the August commission meeting.

Commissioner Venkatraman shared with the commission that construction costs is projected to lower the first quarter of 2023. Commissioner Garcia asked for a summary of City Council items to be included in the Director’s Report which Mr. Harris stated will be accommodate. Commissioner Ojo reminded everyone that small adjustments can be made at home to conserve water.

**G. ADJOURNMENT – Next regular meeting is August 1, 2022 at 4:00 PM**

There being no further business the meeting adjourned at 5:06 PM. The next regular meeting of the City of Redlands Municipal Utilities/Public Works Commission is scheduled for August 1, 2022.



City of  
**REDLANDS**  
Incorporated 1888  
Municipal Utilities & Engineering Department

JOHN R. HARRIS  
Director

MEMORANDUM

TO: Adekunle Ojo, Municipal Utilities/Public Works Commission Chair

FROM: John R. Harris, Municipal Utilities & Engineering Department Director

DATE: July 26, 2022

SUBJECT: August 2022 Director's Report

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Hello and thank you for serving the Redlands community as a Municipal Utilities/Public Works Commissioner (MUPWC)! City of Redlands Municipal Code Chapter 2.38 establishes the responsibilities of the MUPWC as follows:

*"The commission is a resource for the City Council and City staff and buffer with the general public. In its advisory capacity, the commission shall be knowledgeable of all public works, utilities and engineering programs. The commission shall, through the individual and collective expertise of its members, provide advice to the Public Works and Municipal Utilities Departments regarding the public acceptability of proposed plans, programs and projects."*

**Upcoming City Council Meeting Agenda Items**

1. Rincon Consulting Alabama Septage Disposal Ponds Agreement Amendment – September 6
2. Measure I Capital Project Needs Assessment Adoption – September 6
3. Downtown Parking Study Agreement Adoption (DSD) – September 6
4. Treatment Chemical Price Increase Approval – September 6
5. Hinckley WTP Roof Repair Approval – September 6

**Water Conservation Rebates**

Typically, one square foot of turf grass in southern California requires approximately 0.623 gallons of water to provide one inch (1") of irrigation cover. Based on seasonal irrigation practices, this equates to as much as fifty-five (55) gallons of water per square foot of turf each year (44,000 gallons for an 800 SF lawn). Although calculating the potential citywide water savings associated with synthetic turf conversions is beyond the level of effort of this report, it is reasonable to suggest that it would be substantial. Recently, a Redlands resident replaced his turf

grass with synthetic turf and reduced his total water use from more than 550 CCF to less than 70 CCF bi-monthly. MUED compares warm season and cold season water use to determine that outdoor landscape irrigation consumes fifty to seventy-five percent (50% - 75%) of all water produced and distributed.

### **Water System Master Plans**

A printed review copy of the WSMP was provided to each Commissioner in June, with the goal of developing a City Council recommendation during the August MUPWC meeting. Tonight, the Commissioners are encouraged to discuss the WSMP and develop a City Council recommendation.

### **Update WWTP P2 Project Update**

Parsons Engineering continues to develop and refine the WWTP Improvement Project Phase 2 design, and has made significant progress toward completion of the following design elements:

Task 1 – Conduct Facility Condition Assessment	P1 = 100%/P2 = 95%
Task 2 – Develop Multipurpose Project Report/Implementation Plan	100% Complete
Task 3 – Provide Engineering Design Services	P1 = 100%/P2 = 70%
Task 4 – PM, Communication, QC	P1 = 100%/P2 = 65%

MUED submitted a \$45M State Revolving Fund loan application for construction of these improvements prior to the December 31 submittal deadline and received notification that the application rating exceeds the minimum scoring threshold for loan approval. Parsons recently provided a Preliminary Construction Cost Estimate for all project elements totaling approximately \$90M, which includes approximately \$56M in direct project costs. MUED staff and Parsons are refining potential bid packages to maximize, but not exceed, the anticipated SRF loan amount.

### **Sunset Reservoir Replacement – Land Lease Agreement**

MUED recently negotiated a Lease Agreement with the land owners adjacent to the Sunset Reservoir site that will allow a temporary reservoir to be constructed on their property prior to demolishing and reconstructing a new permanent reservoir. MUED recently received the results of an independent land appraisal for this property, and discussed the results with City Council in Closed Session on April 5, 2022. The property owners and City recently agreed to contract for a second land appraisal.

### **Water Meter Replacement Project**

We have begun a five (5) year project to replace all potable and non-potable water meters within the Redlands service area. Ferguson Waterworks was selected to supply and install the water meters, meter box lids, and Automated Metering Infrastructure (AMI) hardware for use in the future. Ferguson has begun replacing meters, and is nearing completion of the first project phase.

Phase I (FY 21/22) of the project, detailed below, includes replacing older meters, and retrofitting recently replaced meters with AMI hardware:

SIZE	REPLACEMENTS	RETROFITS
5/8"	24	7
3/4"	537	463
1.0"	500	215
1.5"	112	85
2.0"	174	95
3.0"	55	15
4.0"	31	12
6.0"	16	10
8.0"	10	3

Prior to ordering water meters, MUED staff physically audited each location to confirm the type and size of each water meter. The audit identified several large diameter water meters that are not listed in the billing system, are bypassed in some manner, or have not been read correctly in the past. Each of these issues will be resolved with this project, and the non-revenue water rate will significantly decrease in the future. An updated Project Location Map is included as Attachment "A". A Notice To Proceed for the second year of this project was issued in June 2022.

### **PMP Update**

Painting of the bicycle lane along Brookside Avenue took longer than anticipated due to supply chain delays. A private company developing the parcel adjacent to the east side of Mountain View Avenue and adjacent to the north side of I-10 is obligated to reconstruct the east side of Mountain View Avenue to the centerline, so this work was removed from the City's project. Due to underlying sub-grade concerns, Alabama Street segment, originally planned for grind/overlay, was removed and included in the next FY 22/23 PMP project (currently in design). An updated project location map is provided as Attachment "B".

### **2021 Q3 Capital Improvement Project Update**

The MUPWC is charged with, among other things, "*annually reviewing the City CIP under the purview of the Public Works and Municipal Utilities Departments*" (Municipal Code 2.38.030). However, during the December 7, 2020 MUPWC meeting, the Commission asked the MUED staff to provide quarterly CIP updates. A summary and status of CIP projects is provided in Attachment "C".



As you know, the FY 21/22 CIP delivery schedule was aggressive, and success required thoughtful project coordination and planning. To meet this obligation, MUED issued several RFBs and developed Sole Source Waiver recommendations for City Council consideration on June 15, 2021, which was the first meeting after approval of the FY 21/22 Operating Budget. That strategy is working well, particularly considering the unanticipated supply chain related delays all projects are experiencing, and our CIP delivery is progressing well. Highlights of current project are provided below:

1. Multi-Year Well Rehabilitation & Booster Pump Replacements – Five (5) potable water wells, two (2) non-potable water wells, and two (2) booster pumps are being rehabilitated in FY 21/22 through a single task order. Additional task orders will be issued in each of the next two (2) fiscal years through contract extensions to rehabilitate thirteen (13) more wells, although MUED may recommend accelerating this schedule. Following is a detailed summary of tasks with their progress:
  - a. Task 1.1 (Airport Well) – Brushing and bailing are complete, and the pedestal improvements are complete. The pump installation is scheduled the week of July 25;
  - b. Task 1.2 (Church Street Well) – This task has been moved to a future Project phase to accelerate rehabilitation of the Muni Well under the terms of a cost-share agreement with San Bernardino Valley Municipal Water District. The Muni Well pipeline modifications are complete, the brush and bail is complete, and the video is scheduled for July 26. The pump and related materials were ordered and are expected to be delivered by August 1. Estimated time for completion is 1-2 weeks (week of 8/8/2022);
  - c. Task 1.3 (East Lugonia 3 Well) – Complete;
  - d. Task 1.4 (East Lugonia 6 Well) – Complete;
  - e. Task 1.5 (N Orange 1 Well) – Complete;
  - f. Task 1.6 (31A Well) – Complete;
  - g. Task 1.7 (32 Well) –The video is scheduled for July 26 and a decision will be made about how to proceed at that time. Estimated completion date is week of September 26;
  - h. Task 1.8 (2310 Booster) – Complete;
  - i. Task 1.9 (2311Booster) – Complete.
2. Water Infrastructure Condition, Seismic, & Structural Assessment – This project has been completed, and Brady & Associates provided several water infrastructure improvement recommendations.
3. Recycled Water Reservoir Engineering – This project is underway, and Carollo Engineers has modeled the recycled water distribution system using information provided by MUED staff. Carollo recommending construction of a single concrete reservoir be rather than two (2) reservoirs.
4. Citywide Sidewalk and ADA Ramp Replacements Phase 2 - Approximately 50% complete.

5. Tate WTP Raw Water Influent Pipeline Engineering – City Council approved a Professional Services Agreement with Carollo Engineers in April 2022, and the project is underway. Three (3) preliminary alignment alternatives have been prepared.
6. Hinckley WTP Sludge Press Engineering – City Council approved a Professional Services Agreement with Dudek in April 2022, and the project is underway.
7. Well Perchlorate Treatment Evaluation – Dudek was selected as the most qualified firm submitting a proposal and is preparing a detailed scope of work and cost proposal.
8. University Street/Brockton Avenue Traffic Signal - Currently in construction. Materials have been ordered. Due to supply chain issues, installation is not expected for a few more months.
9. FY 21/22 Waterline Replacement Project - Borden Excavating is approximately 90% complete. Completion is expected by the end of August.
10. Phase II Water Distribution SCADA Upgrade - Design is complete, and materials have been ordered. Installation is expected to begin by October.
11. 2022 Orange Blossom Trail Phase 3 Project – Dearth, Inc. recently mobilized for construction, and the Project is approximately 10% complete.
12. 2022 Brookside Avenue Median Island Landscape Rehabilitation Project – Urban Habitat recently mobilized for construction, and the Project is approximately 10% complete.
13. The 2022 HSIP Cycle 8 Ped Heads, 2022 HSIP Cycle 8 EVP, 2022 Senior Outdoor Dining, and Garden Guardrail projects and all in preconstruction.

## **Wastewater Treatment Plant Project Update**

As you know, Phase 1A of the WWTP Rehabilitation Project was successfully completed and accepted in November 2020. GSE Construction Company, Inc. was awarded a contract to construct Phase 1B of the Project in November 2020. The project includes supplying and/or installing the following equipment, which has been plagued by significant COVID-19 related delays:

1. Fine Screens and Associated Equipment: Removes objects to prevent damage to the newly installed MBR filters.
  - a. Status: Installation completed with the exception of chain operated valve actuators on the large valves. Commissioning is on hold pending completion of the IPW system.
2. Ejector Priming System Upgrades: Removes air from the permeate vessel to prevent air locking of pumps.
  - a. Status: Installed and commissioned.
3. Scour Blowers and Associated Equipment: Creates air scouring, which provides premium efficiency and cost savings to the City. The blowers operate on a 24-hour basis, producing scour air that backwashes the filter media.
  - a. Status: Installed and commissioned. This portion of the project resulted in a total energy savings of more than 1.5 million kilowatt hours per year (\$155K energy savings/year), and earned the City a Southern California Edison incentive payment of \$290K.

4. Digester Boilers and Heat Exchangers: Maintains proper temperature for bacteria to decompose sewage sludge and produce digester gas.
  - a. Status: Boiler #3 was started on May 20 and is now maintaining a temperature of ninety-eight degrees (98°). Gas conditioning system is installed and initial startup is complete. Staff received approval of the source test protocol from AQMD and the source testing is scheduled for August 10. The source test protocol involves testing the boiler using natural gas and then with conditioned digester gas. A spool between Digester #3 and the flare has been removed and replaced with piping that will enable conditioned gas to fuel the boiler. Demolition of the boilers for Digesters #1 and #2 will be completed the week of July 25. Staff removed Digesters #1 and #2 from service the week of July 18 and began draining them for cleaning and inspection. Startup of boilers #1 and #2 is anticipated for the first week of September 2022. Submittal of the source test protocol for Boilers #1 and #2 is anticipated in mid-October, followed by AQMD notification of source testing in mid-November 2022, followed by source testing by December 2022. Assuming this schedule holds, we will submit source test results in January 2023, and a Final Compliance Report in late-January 2023.
5. Gas Conditioning System: Cleans and conditions the gas to burn cleaner in the boilers to meet air quality regulations.
  - a. Status: System has been constructed, and the installation of the back pressure regulator installed. The system is operating properly. The globe valve that was installed and is working very well and the pressure reducing valve has been delivered with installation planned at a later date. Demonstration compliance with Rule 431.1 for the gas conditioning system compliance verification is anticipated the week of August 1.
6. Impure Water Pump (IPW) System: Pumps, controls and associated piping to provide consistent and reliable water pressure to the fine screens.
  - a. Status: Piping has been installed; GSE is waiting for delivery of pumps.

Engineering of the WWTP P2 Project is progressing well.

As always, feel free to contact me anytime to discuss MUED issues, programs, projects, or concerns.

John R. Harris

[jharris@cityofredlands.org](mailto:jharris@cityofredlands.org)

(909) 725-1963

Attachments:

- A – Updated Water Meter Replacement Project Location Maps
  - Potable Water Meters
- B – Updated PMP Location Map
- C – Updated CIP List



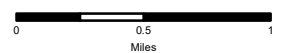
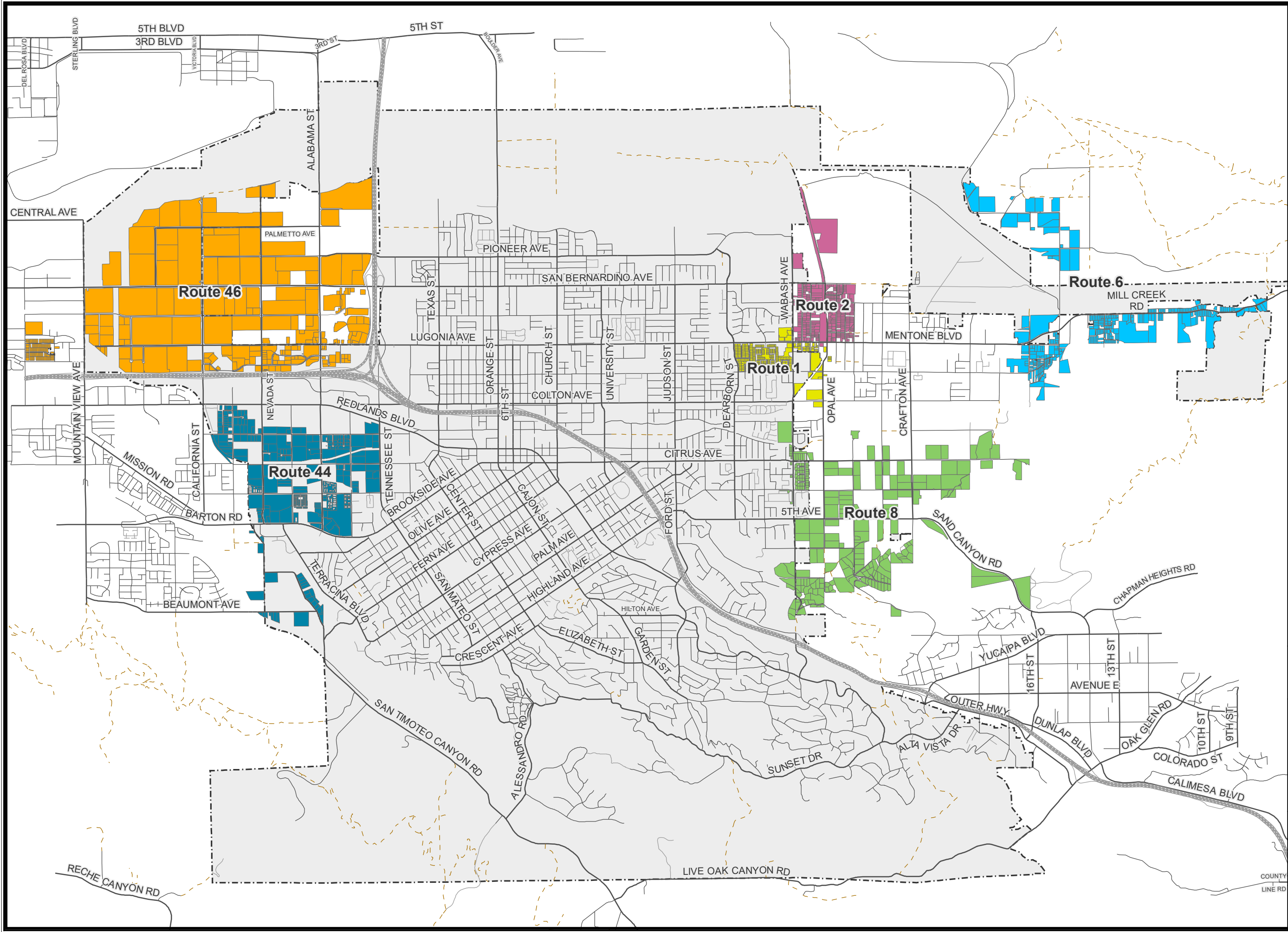
# FY21/22 Meter Routes

Potable Water Meter  
Change-Out CIP

## Meters Remaining

- Route 1 - 3 Meters
- Route 2 - 22 Meters
- Route 6 - 31 Meters
- Route 8 - 70 Meters
- Route 44 - 187 Meters
- Route 46 - 23 Meters
- City of Redlands

Total = 336



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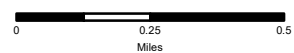
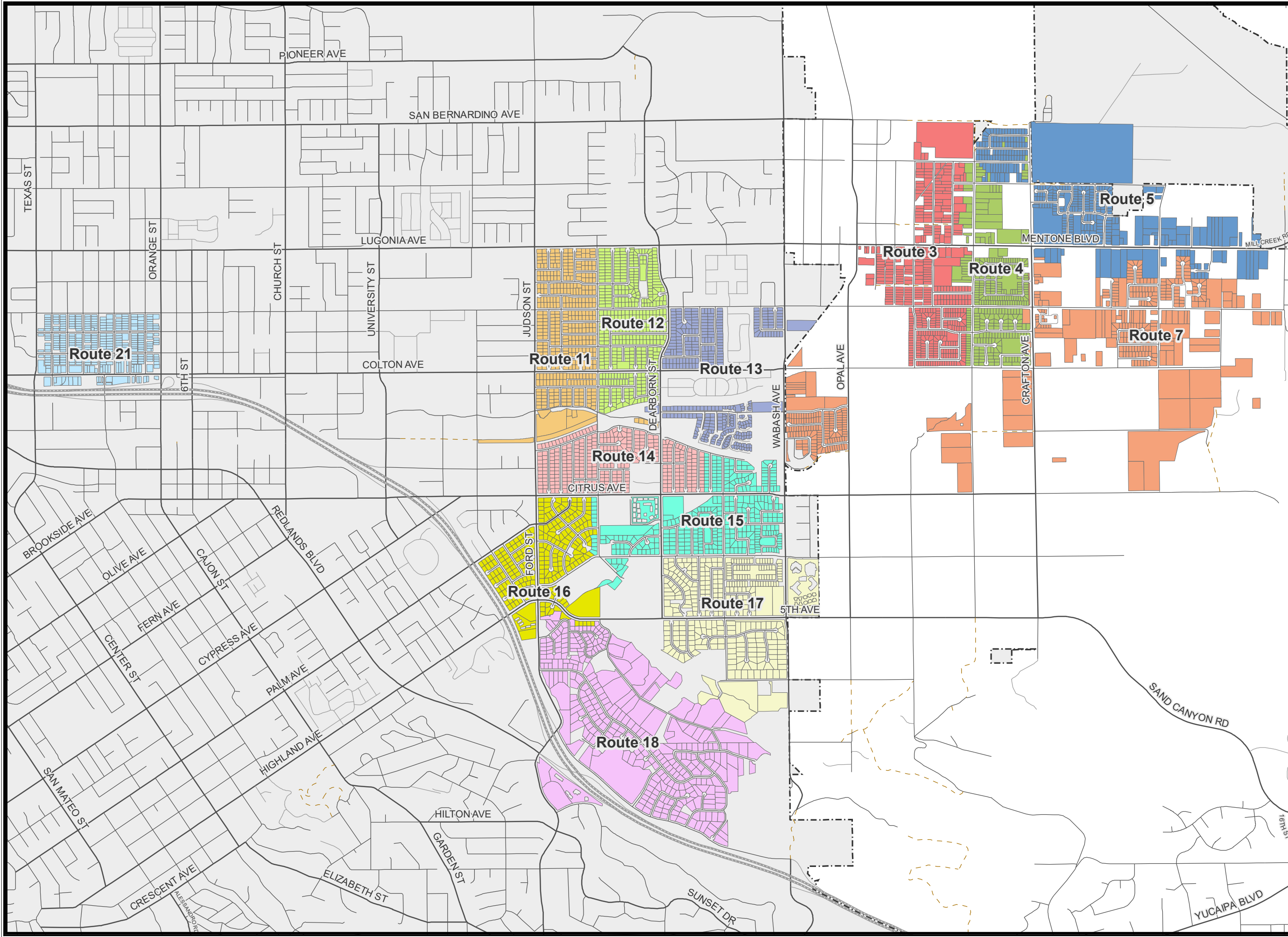
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# FY22/23 Meter Routes

Potable Water Meter  
Change-Out CIP

- Route 3 - 417 Meters
- Route 4 - 341 Meters
- Route 5 - 322 Meters
- Route 7 - 447 Meters
- Route 11 - 405 Meters
- Route 12 - 404 Meters
- Route 13 - 330 Meters
- Route 14 - 343 Meters
- Route 15 - 320 Meters
- Route 16 - 235 Meters
- Route 17 - 343 Meters
- Route 18 - 302 Meters
- Route 21 - 201 Meters
- City of Redlands



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May 10, 2022

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# PMP 2021 Street Resurfacing Project

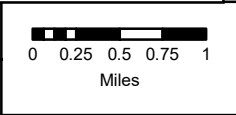
## Location Map



-  PMP 2021 Completed
-  Removed (PMP 2022)
-  City of Redlands



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**MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT  
CIP PROJECTS LIST**

PLANNING		Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	FY 2022-23	FY 2023-24	
P1	WATER	501910		1750 Blend Manifold Replacement	PLANNING	1%	N/A		\$120,000.00		
P2	WATER	501910		Agate #2 Well Liner	PLANNING	1%	N/A		\$175,000.00		
P3	GENERAL/PMP	101/211		2022 Alley Paving Improvements	PLANNING	1%	Elva		\$1,300,000.00	\$1,300,000.00	
P4	WATER	501910		Booster Pump Station Rehabilitation	PLANNING	1%	N/A		\$300,000.00	\$300,000.00	
P5	ARTERIAL	252400		California Street Widening at Lugonia Ave	PLANNING	1%	Goutam			\$800,000.00	
P6	WASTEWATER	521910		2022 CIP Sewer Pipeline Replacement	PLANNING	1%	Johana		\$3,000,000.00	\$3,000,000.00	
P7	WATER	501910		2022 CIP Water Pipeline Replacement	PLANNING	1%	Gerard		\$4,500,000.00	\$4,400,000.00	
P8	GENERAL	101400		2022 Citywide Sidewalk & ADA Ramp Replacement	PLANNING	1%	Elva		\$500,000.00	\$500,000.00	
P9	WATER	501910		Fixed Generators	PLANNING	1%	Goutam		\$100,000.00	\$300,000.00	
P10	WATER	501910		HAWC Booster Pump Rehabilitation	PLANNING	1%				\$500,000.00	
P11	WATER	501910		Hinckley Sludge Press	PLANNING	1%	John		\$700,000.00		
P12	WATER	501910		Hinckley WTP Paving	PLANNING	1%	Gerard		\$350,000.00		
P13	PMP	211910		PMP 2022 Street Resurfacing Project	PLANNING	1%	Gerard		\$4,000,000.00	\$4,000,000.00	
P14	WATER	501910		Seismic Assessment Improvements - Texas Grove Reseroivr	PLANNING	1%				\$2,900,000.00	
P15	WATER	501910		Sunset Reservoir	PLANNING	1%				\$6,000,000.00	
P16	WATER	501910		Tank Mixers	PLANNING	1%	Kevin		\$150,000.00	\$150.00	
P17	WATER	501910		Tate Clarifier Coating & Covers	PLANNING	1%				\$2,560,000.00	
P18	WATER	501910		Tate Transmission Line Replacement	PLANNING	1%				\$1,900,000.00	
P19	WATER	501910		Temporary Sunset Reservoir	PLANNING	1%	Veronica		\$2,500,000.00		
P20	TRAFFIC SIGNAL	243400		Traffic Signal Design at Cypress and Cajon	PLANNING	1%	Goutam		\$600,000.00		
P21	HSIP C10	240400		Wabash & Highland Ave Enhanced Crosswalk	PLANNING	1%	Veronica				
P22	WATER	501910		Well Perchlorate Treatment	PLANNING	1%	Kevin		\$325,000.00	\$575,000.00	
P23	WATER	501910		Well Rehabilitation	PLANNING	1%			\$514,000.00	\$506,000.00	
P24	WATER	501910		WTP Mechanical & Electrical Equipment Replacement	PLANNING	1%				\$180,000.00	
				Planning Projects - Cost Summary						\$19,134,000.00	\$29,721,150.00
DESIGN		Org Key	GL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget		
D1	WATER	501910	501910	Hinckley WTP Sludge Press	DESIGN	1%	Dudek	Paul/John	\$354,820.00		
D2	WATER	501910	501009	Tate WTP Influent Line Engineering	DESIGN	1%	Carollo Engineers, Inc.	Paul/John	\$835,549.00		
D3	TDA			2021 Transit Stop Improvement	DESIGN	50%		Veronica			
D4	WATER	501910	501004	Hinckley WTP Backup Generator Replacement	DESIGN	25%		Paul	\$140,000.00		
D5	ATP C2	240400	C400005	ATP Highland/Redlands Regional Connector - Orange St	DESIGN	65%	KOA Consultants	Veronica	\$1,532,843.00		
D6	ARTERIAL	252400	252001	Citrus Avenue Widening Project	DESIGN	65%		Elva	\$900,000.00		
D7	HSIP C9	240400	F400003	HSIP Cycle 9 – Pedestrian In-Roadway Lights	DESIGN	65%		Veronica	\$250,000.00		
D8	ATP C3	240400	C400007	ATP East Valley Corridor Bike Rte Interconnect - Alabama	DESIGN	75%	KOA Consultants	Veronica	\$2,112,000.00		
D9	PMP	211910	211004	SBCounty/Mentone/Redlands Paving Project	DESIGN	90%	SB County	Goutam	\$78,750.00		
				Design Projects - Cost Summary						\$6,203,962.00	\$0.00
BID & AWARD		Org Key	GL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget		
				Bid & Award Project - Cost Summary						\$0.00	\$0.00
CONSTRUCTION		Org Key	GL	Project Name	Project Phase	Progress	Contractor	PM/Inspector	Contract Amount		
C1	PMP/GF	101/211	211005	Alley Paving Improvements	CONST	5%	Tryco General Engineering	Elva	\$1,238,000.00		
C2	WATER CONSV	501910	501002	Brookside Median Landscape Improvements	CONST	5%	Urban Habitat	Veronica	\$193,855.50		
C3	HSIP C8	240400	F400003	HSIP Cycle 8 - Pedestrian Heads Project	CONST	5%	Econolite Systems, Inc.	Veronica	\$541,682.53		

**MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT  
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C4	HSIP C8	240400	F400001	HSIP Cycle 8 - Signal Preemption Project	CONST	5%	AGA Engineers, Inc./Baker Electric	Veronica	\$937,418.00	
C5	TDA	240400	S241001	Orange Blossom Trail - Phase 3	CONST	10%	Deark E&C, Inc.	Gerard	\$782,396.00	
C6	TRAFFIC SIGNAL	253400	253007	Traffic Signal Improvements (Brockton/University)	CONST	5%	Elecnor Belco Electric, Inc.	Elva/Daniel	\$507,745.00	
C7	GENERAL FUND	101400	400015	Citywide Sidewalk and ADA Ramp Replacement Phase 2	CONST	25%	Universal Construction & Engineering	Elva/Daniel	\$981,152.05	
C8	WATER	501910	501006	Water System SCADA Design & Integration - Phase 2	CONST	5%	TESCO Controls, Inc.	Paul/Daniel	\$3,679,720.00	
C9	SBCTA	254400	254002	I-10/Alabama Street Improvement (\$15,150,600)	CONST	25%	Ortiz Enterprises, Inc.	Kyle/Daniel	\$2,506,921.00	
C10	WATER	501910	501037	Citywide Potable Water Meter Replacements	CONST	40%	Ferguson Enterprises, LLC	Paul	\$1,815,000.00	
C11	NON-POTABLE	531910	531006	Citywide Non-Potable Water Meter Replacement	CONST	40%	Ferguson Enterprises, LLC	Paul	\$93,000.00	
C12	WATER	501910	501039	2021 CIP Water Pipeline Replacement	CONST	45%	Borden Excavation, Inc.	Gerard/Daniel	\$3,555,000.00	
C13	WATER	501910	501005	Wells and Booster Pump Maintenance	CONST	45%	General Pump Company, Inc.	Paul	\$1,034,181.10	
C14	SBCTA	254400	254001	I-10/University Interchange Project (\$5,812,935)	CONST	80%	SBCTA/ADVANTEC/SEMA	Kyle/Daniel	\$1,234,260.00	
C15	WASTEWATER	521910	521006	MBR & Digester Improvements Project- Phase 1B	CONST	85%	GSE Construction Co. Inc.	Goutam/Daniel	\$7,311,740.00	
C16	PMP	211910	211003	PMP 2021 Street Resurfacing Project	CONST	99%	Matich Corp	Gerard/Frannie	\$9,235,780.00	
				<b>Construction Projects - Cost Summary</b>					<b>\$35,647,851.18</b>	<b>\$0.00</b>
				<b>Project Total Dollars</b>					<b>\$60,985,813.18</b>	<b>\$29,721,150.00</b>