

CITY OF REDLANDS

MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION AGENDA

ADEKUNLE OJO, CHAIRPERSON
R. BRAD THOMS, COMMISSIONER
THOMAS BREITKREUZ, COMMISSIONER
CHANDRASEKAR 'CV' VENKATRAMAN, COMMISSIONER

STEVE STOCKTON, VICE CHAIRPERSON
ZACHARY TRAVIS, COMMISSIONER
DAVID GARCIA, COMMISSIONER

This will be a teleconference meeting via Zoom.

Following public health recommendations to limit public gatherings during the COVID-19 pandemic, City Manager Charles M. Duggan, Jr., acting as the City of Redlands Emergency Services Director has directed that Commission/Board meetings be closed to the public until further notice or until the current local State of Emergency has been lifted.

All votes during the teleconferencing meeting via Zoom will be conducted by roll call.

HOW TO SUBMIT COMMENTS: In order to have your public comment read into the public record at the meeting, members of the public are asked to submit comments (250 words or less) by 12:00 p.m. (noon) on Monday, February 1st, by email at jweathers@cityofredlands.org, or by telephone at 909-798-7527 x6.

Individuals with a disability, consistent with the Americans with Disabilities Act, who need assistance with public comment, may contact Goutam Dobey by telephone at 909-798-7584 x2 or by email at gdobey@cityofredlands.org at least two hours before the meeting to make alternate arrangements.

The following information comprises the agenda for a meeting of the Municipal Utilities/Public Works Commission of the City of Redlands at the date and time noted below.

MONDAY, FEBRUARY 1, 2021
4:00 P.M.

ZOOM MEETING INFORMATION:

Please click the link below to join the webinar or call the numbers listed:

<https://cityofredlands.zoom.us/j/97465144638?pwd=OFdXV0NLZUd6c0dSdFF5YnRjZWR5UT09>

Passcode: 997957
Webinar ID: 974 6514 4638

Or you may call any of the following numbers to join the meeting:

Toll-Free: (877) 853-5247 or (888) 788-0099

US locations: (669) 900-6833 | (253) 215-8782 | (346) 248-7799
(301) 715-8592 | (312) 626-6799 | (929) 205-6099

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In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Goutam Dobey of Municipal Utilities/Engineering Department at (909) 798-7584 x2. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. (28 CFR 35.102-35.104 ADA Title II) NOTE: Any writings or documents distributed to a majority of the Municipal Utilities/Public Works Commission regarding an open session agenda item less than 72 hours before this meeting are available at <https://www.cityofredlands.org/municipal-utilities-public-works-commission> for public inspection or at the Municipal Utilities & Engineering Department, 35 Cajon Street, Suite 15A by calling (909) 798-7698 x4145.

CITY OF REDLANDS

MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION AGENDA

1. ATTENDANCE

2. CALL TO ORDER

3. PUBLIC COMMENT

Commission Liaison Jane Weathers will read all public comments, up to 250 words, into record if they are received in accordance with the submittal timeframe stated on the previous page.

The Commission may not discuss or take any action on any public comment made, except that the Commission Members or staff may briefly respond to statements made or questions posed by members of the public. However, any matter that requires action will be referred to staff for a report and possible action at a subsequent meeting.

4. APPROVAL OF MINUTES

A. December 7, 2020 Regular Meeting Minutes

5. STATUS REPORTS

A. City Council Liaison Report

B. MUED Director Report

6. NEW BUSINESS

A. Presentation from Tim Bevins with Alta Planning of the Sustainable Mobility Plan (MUED Associate Engineer Gerard Nepomuceno)

B. Discussion and Possible Recommendation – Recommend to City Council Adoption of the Sustainable Mobility Plan

C. Discussion of Commission’s Annual Presentation of Accomplishments and Goals to the City Council

7. POSSIBLE AGENDA ITEMS FOR NEXT MEETING

8. ADJOURNMENT

ATTACHMENTS:

- A. Draft Minutes of December 7, 2020 Regular Meeting
- B. PARIS/PMP Map
- C. PMP CIP
- D. CIP Project Status
- E. Utility CIP
- F. Groundwater Council Summary

CITY OF REDLANDS
MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION
Regular Meeting of December 7, 2020, 4:00 PM
MINUTES

This meeting was conducted as a teleconference meeting. All votes during the meeting were conducted by roll call.

In compliance with public health recommendations to limit public gatherings during the Covid-19 pandemic and acting as the City of Redlands Emergency Services Director, City Manager Charles M. Duggan Jr., directed meetings of the Municipal Utilities/Public Works Commission (MUPWC) of Redlands be closed to the public until further notice or until the current local State of Emergency has been lifted. The MUPWC will continue to meet to conduct essential business. Public comments, up to 250 words and received by 2:00 P.M. the day before the meeting, were read aloud by MUPWC liaison.

1. ATTENDANCE

Following roll call Commissioners Thoms, Travis and Garcia were not present. Commissioners Ojo, Breitreuz, CV, and Stockton were present. Although a quorum was initially established with four commissioners, Acting Chair Ojo asked to wait a few moments for absent commissioners to arrive. Commissioner Garcia was able to connect via phone only and was on by New Business. A quorum of five commissioners had been established. Toward the end of the meeting, it was noted that Commissioner Travis had joined the meeting at about 4:30 pm. There were 2 numbers that appeared as Attendees in Zoom, one named Christine, and the other was not known. City staff in attendance were as follows: Director of MUED John Harris, Engineering Manager Goutam Dobey, Utilities Operations Manager Kevin Watson, Wastewater Superintendent Fernando Mata, Construction Manager Kyle Wagner, Senior Project Manager Ross Wittman, Water Resources Specialist Cecilia Griego, Liz Boehling, Administrative Analyst (Acting Liaison). Council liaisons Council Member Tejada and Mayor Foster were not present.

2. CALL TO ORDER

Acting Chair Ojo called the meeting to order at 4:06 p.m. and proceeded to select one commissioner, Commissioner CV, to lead the group in the Pledge of Allegiance.

3. PUBLIC COMMENT

One public comment was received by 2:00 P.M. the day before the meeting which was read by Ms. Boehling from Mr. Dennis Bell. Reading from the email, his comment was: "democracy isn't a spectator sport and zoom isn't participatory democracy. It's B.S.! This isn't about health issues. It's about first amendment ones: public participation and dissent, especially when it comes to the publics' pocket books issues. These commissions are operating like the rest of the city is: in a vacuum."

4. APPROVAL OF MINUTES

The minutes of the October 5, 2020 regular meeting was approved on a motion by Commissioner Stockton, seconded by Commissioner Breitreuz and carried 4-0.

5. STATUS REPORTS

A. City Council Liaison Report

With no City Council Liaison on the call there was no items reported.

B. Commission Liaison Report

Ms. Boehling stated there were no items to report.

6. NEW BUSINESS

A. Welcome Municipal Utilities & Engineering Director John Harris

Mr. Wittman introduced newly hired Municipal Utilities and Engineering Director John Harris who then provided a brief work and personal background.

B. Welcome Recently Appointed Members Thomas Breitreuz, Zachary Travis & David Garcia & Round Table Introductions

Acting Chair Ojo welcomed newly appointed Commissioner Tom Breitreuz who provided his background leading up to being on the commission. Commissioner Garcia joined the meeting at this point and was asked to provide his brief background. Both commissioners were welcomed/welcome back to the commission. A round table ensued with Commissioners CV, Stockton, and Ojo providing their backgrounds which followed with staff introductions.

C. Election of Chairperson

The selection of Chairperson for the Commission is conducted annually. Acting Chair Ojo entertained nominations from commissioners. Commissioner CV made a motion to nominate Commissioner Ojo as Chairperson, seconded by Commissioner Breitreuz. The motion carried 4-0 with a roll call vote, and with Commissioner Ojo abstaining.

D. Election of Vice Chairperson

The selection of Vice Chairperson for the Commission is also conducted annually. Chair Ojo entertained nominations from commissioners. Commissioner CV made a motion to nominate Commissioner Stockton as Vice Chairperson, seconded by Commissioner Breitreuz. The motion carried 5-0 with a roll call vote.

7. OLD BUSINESS

A. Wastewater Treatment Plant Rehabilitation Project

Mr. Wittman provided an update on the Wastewater Treatment Plant (WWTP) Rehabilitation Project via a PowerPoint presentation. A background of the construction of the WWTP in 1962, upgrades and expansions in 1972, 1987-1989, and 2004, challenges the plant and staff encountered to maintain plant operations, and the recent upgrades resulting in the current state of the plant, was provided by Mr. Wittman. Continued overview of the costs and rehabilitation projects, Phase 1A completed in November 2020, and Phase 1B to be completed in late 2021. A discussion and suggestions ensued which included the funding utilized for upgrades paid via the wastewater reserve budget, clarification of documents or presentations to show how upgrades were/are funded, surrounding land development and growth, updated treatment practices, and current and projected flows/capacity.

8. POSSIBLE AGENDA ITEMS FOR NEXT MEETING

It was requested to have an update on the 5 year capital improvement projects/program, how it is reviewed and implemented, projects in both the planning/design and the construction phases along with general information related to projects, update on master plans for water, sewer and recycled water, general status of the city's involvement in groundwater council and water resources, update on Pavement Accelerated Repair Implementation Strategy program (aka PARIS) and Pavement Management Plan (PMP), recycled water agreement or coordination with Southern California Edison's Mountainview Power Plant.

9. ADJOURNMENT

5:07 P.M.



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: January 28, 2021

SUBJECT: February 2021 Director's Report

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."

Pavement Accelerated Repair Implementation Strategy (PARIS)

The City maintains approximately 300 centerline miles (650 total lane miles) of public streets. With an estimated total replacement value exceeding \$250M, the pavement network is clearly the most valuable Redlands asset. Prior to PARIS, MUED used a Pavement Management Program known as "eRoads Pavement Technology", to create a Pavement Condition Index (PCI) for each of the 2,394 street segments that is then used to determine the most cost-effective pavement repair/restoration practice throughout the life cycle of each street segment. This became the foundation for a multi-year Street Improvement CIP. In 2012, the Redlands overall pavement network PCI average was fifty-three (53), which the paving industry characterizes as "Poor".

In 2012, Redlands began planning for a five (5) year pavement restoration project designed to repave 2/3 of all City streets. The goal of the PARIS Project was to resurface approximately 200 centerline miles (440 lane miles) of City streets in five (5) annual phases. MUED created a cost-effective pavement improvement schedule based on financial resources, Vehicle Miles Traveled (VMT), and PCI, and intentionally avoided the "worst first" approach of reconstructing pavement surfaces that had already failed. This approach and methodology was presented to, and endorsed

by, the MUPWC on August 13, 2012 and September 3, 2012. With the recommendation of the MUPWC, the City Council approved the PARIS Project and authorized funding on September 18, 2012.

In January 2021, the fifth and final phase of PARIS was successfully completed, meeting the City’s street resurfacing goals, and improving the overall pavement network PCI average to eighty-two (82). Matich Corporation was awarded construction contracts for each PARIS Project phase, with a cumulative value of approximately \$55M. The table below summarizes the City’s annual pavement restoration progress since 2007:

YEAR	LANE MILES OF PAVEMENT RESTORATION
2007 – 2012 (Pre-PARIS)	70
2013	112
2014	102
2015	112
2017	57
2019	57
2013 – 2019 (PARIS Project)*	440

* 2016 & 2018 – Non-construction years

A Pre-PARIS and Post-PARIS map is provided in Attachment “B”.

2020 Pavement Management Program (PMP 2020)

In the final year of the PARIS Project, MUED contracted with Bucknam Infrastructure Group, Inc. (Oceanside, CA) to re-evaluate the Redlands pavement network, and to update the PMP. The goal of PMP 2020 is to continue the successes achieved with the PARIS Project by creating a plan to resurface the remaining 1/3 of the City’s public streets, and to develop maintenance strategies for streets resurfaced during the PARIS Project. Bucknam quantified pavement surface defects within representative samples of every Redlands street segment, and entered the data into the U.S. Army Corps of Engineers Pavement Management Program, known as “*MicroPAVER*”, to generate a Pavement Condition Index (PCI) for each street segment. The PCI is used to determine the most cost-effective pavement repair/restoration practice throughout the life cycle of each street segment, which becomes the foundation for a multi-year Street Improvement CIP.

PMP 2020 offers budget recommendations to maintain the existing pavement network PCI average of 82, and to improve the pavement network PCI average to 84 over a five (5) year period. Based on professional experience, and considering that PCI difference of two (2) points is virtually indistinguishable, MUED developed a five (5) year Street CIP to maintain the existing pavement network PCI average of 82. The five-year Street Improvement CIP is provided in Attachment “C”. Specific street segments proposed for rehabilitation in the first year of the CIP have been identified,



and the Engineering Division is currently creating a plans, specifications, and cost estimate (PS&E) package for this project. Specific street segments proposed for rehabilitation in future years of the CIP are subject to minor revisions as the Engineering Division further refines the CIP. The PMP 2020 report may be reviewed and downloaded here:

https://www.cityofredlands.org/sites/main/files/file-attachments/pmp_2020_final_report_3-11-20.pdf?1586208984

2021 Q1 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 “D”.

Financial Update

Over the course of several Utility Advisory Committee (UAC) meetings, the MUED staff presented a comprehensive multi-year CIP list, and our utility rate consultant, Raftelis, developed a rate model with several rate adjustment scenarios for each fund. On January 27, 2021, the UAC convened a special meeting to continue discussing potential rate adjustments for water (potable and non-potable) and wastewater utility customers, and unanimously voted to make the following two-year rate adjustment recommendations to City Council:

FUND	FY 2021/2022	FY 2022/2023
NON-POTABLE WATER	0%	0%
POTABLE WATER	0%	0%
WASTEWATER	15%	15%

The bi-monthly billing impact for a typical Redlands resident is \$7.51 and \$8.63 in each of the next two (2) fiscal years respectively. The MUED staff and Raftelis presented potential rate adjustment scenarios for each fund through Fiscal Year 2025/2026. Ultimately, the UAC limited its recommendation to two (2) years in order to evaluate project recommendations identified by the Master Plan consultants (November 2021 completion), and to evaluate year one (1) CIP progress.

Master Plan Update

The Water System and Sewer System Master Plans are being developed, and are expected to be complete in late-2021. Hydraulic modeling to identify deficiencies and potential improvements within each system is anticipated to consume a majority of the project completion timeframe. This modeling will likely expand the existing CIP project list, and may include recommendations to loop waterlines to improve pressures and flow rates, eliminate dead end water lines to improve



water quality, and sanitary sewer collection system improvements to accommodate typical and seasonal peak demands as Redlands grows. These Master Plan recommendations will provide the foundation for future utility rate adjustment considerations.

As previously mentioned, the UAC considered rate adjustments necessary to recover costs for providing responsible utility services based on currently available information. During the last year, the MUED staff developed a multi-year CIP project list to address specific utility system operational needs, and to provide the foundation for the utility rate adjustment recommendations recently approved by the UAC. The key MUED staff members assigned to this task have more than a century of combined local professional engineering and utility system operation experience, and determined project costs based on recent actual local construction project costs. This CIP project list is provided in Attachment “E”.

San Bernardino Basin Area Groundwater Council Update

A summary of the San Bernardino Basin Area Groundwater Council (GC), prepared by the MUED staff, is provided in Attachment “F”. The document briefly summarizes the GC history, funding mechanisms, and issues that have contributed to the City’s reluctance to join. On January 13, 2021, I met with representatives from the San Bernardino Basin Groundwater Council (GC) to discuss opportunities for Redlands to join the GC. Membership in the GC shows Redlands’ ongoing commitment to sustainable water resource management, and allows direct participation in decision-making processes. Redlands is required to remit payment for Fiscal Years 2018/2019 through 2021/2022 for a total cost of \$1,082,460. The GC staff is supportive of allowing this payment to be made in equal installments of \$541,230. The first installment payment is due when Redlands joins the GC, and the second installment payment is due with Redlands’ next annual GC membership payment. Membership costs vary annually, and are not anticipated to exceed \$300K. MUED intends to recommend approval for Redlands GC membership to the City Council in late-February or early-March 2021.

State Water Use Reduction Mandate (SCE Non-Potable Usage Impact)

Despite our commitment to responsible water use practices, Redlands is always subject to water use reduction mandates issued by the State of California. Although the MUED staff is not aware of any impending mandates, we are planning conservatively. For instance, the CIP proposes to construct two (2) recycled water reservoirs at the WWTP to capture and store treated effluent that exceeds the SCE demand. Currently, this water is percolated back into the groundwater basin.

Our Agreement with SCE, a “*take-or-pay*” Agreement, requires SCE to purchase 3,000 Acre-Feet of recycled water annually whether they take it or not. SCE typically uses slightly more than half that amount, and would like to reduce their purchase obligation accordingly. This Agreement expires in 2023. MUED might consider reducing the SCE purchase obligation in response to a State water reduction mandate.

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









John R. Harris

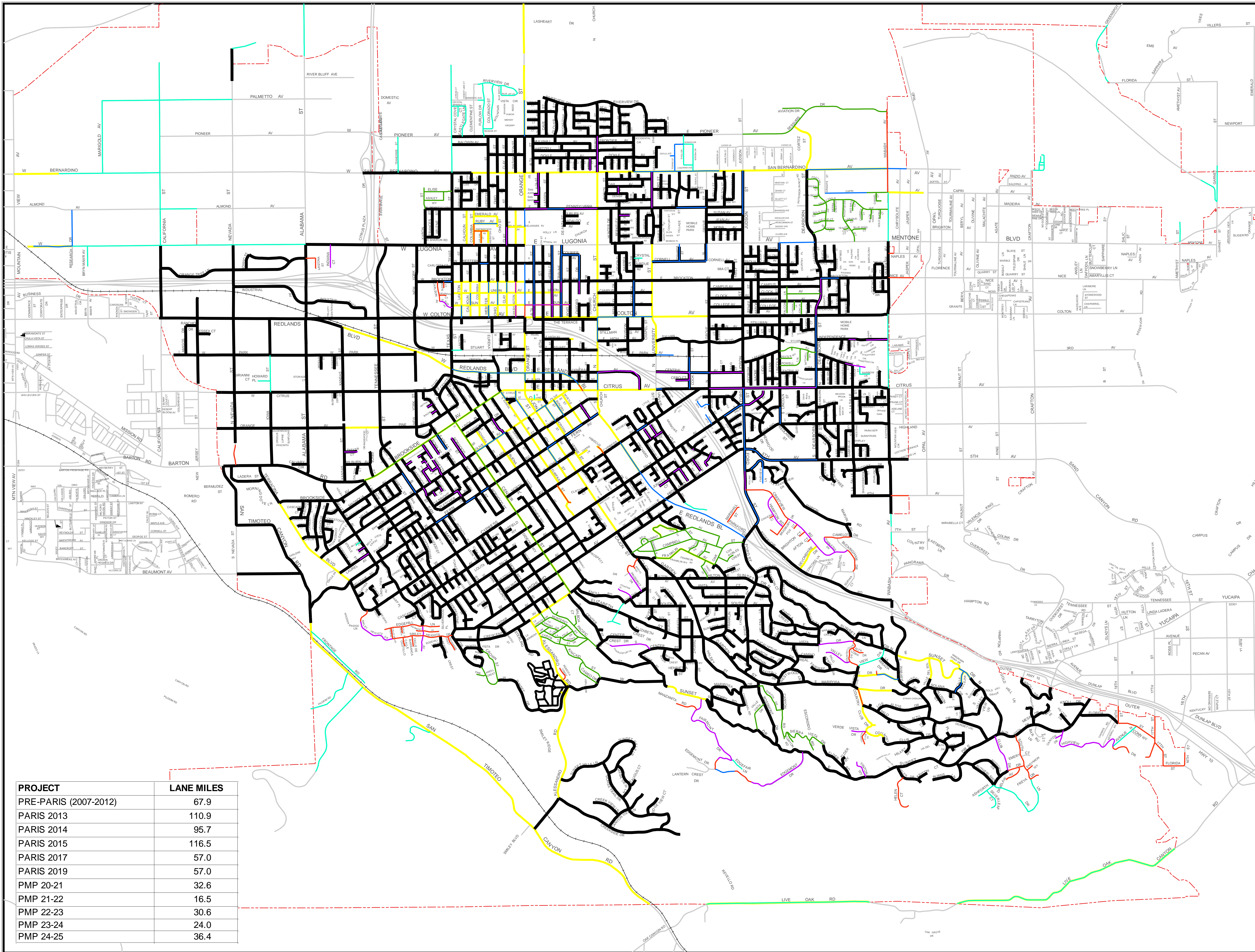
jharris@cityofredlands.org

(909) 725-1963

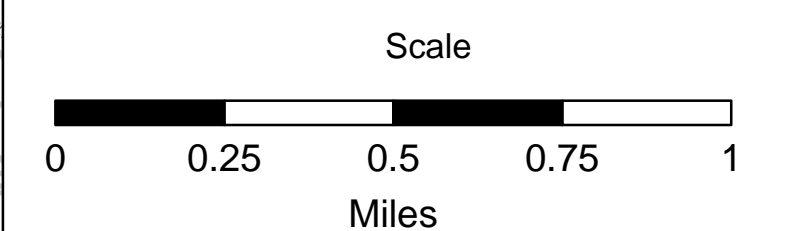
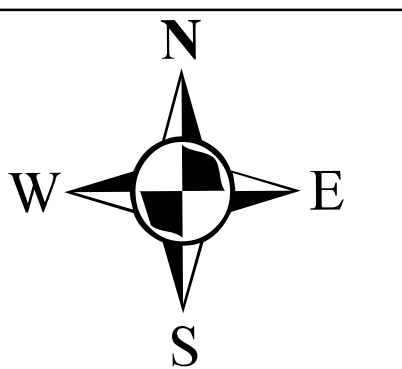
Citywide Resurfacing Project

Legend

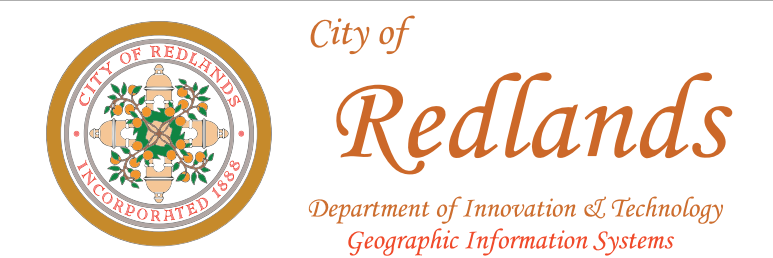
-  PMP_20-21
-  PMP_21-22
-  PMP_22-23
-  PMP_23-24
-  PMP_24-25
-  PARIS 5-PHASE
-  PRE-PARIS 2007-2012
-  Redlands



This map was produced by the City of Redlands, Geographic Information System. The City of Redlands assumes no warranty or legal responsibility for the information contained on this map. The data used to generate this map is dynamic in nature, therefore the information shown may or may not be the most current.



PROJECT	LANE MILES
PRE-PARIS (2007-2012)	67.9
PARIS 2013	110.9
PARIS 2014	95.7
PARIS 2015	116.5
PARIS 2017	57.0
PARIS 2019	57.0
PMP 20-21	32.6
PMP 21-22	16.5
PMP 22-23	30.6
PMP 23-24	24.0
PMP 24-25	36.4



January 27, 2021
PARIS & PMP Map.mxd

PMP STREET RESURFACING PROJECT
FY 2020-21

Name	From_	To_	FY
ASHLEY WAY	KARON ST	ELISE DR	2020-21
AVIATION	SESSUMS DR	END	2020-21
BALBOA CT	PACIFIC ST	END	2020-21
BLACK HAWK CT	DEAD END	VALLEY FALLS AVE	2020-21
BLUE WING	REVELATION WY	END	2020-21
BOW B ST	SUMMIT AVE	SUMMIT AVE	2020-21
BROOKSIDE	EUREKA ST	LAKESIDE AVE	2020-21
CAMBRIA CT	DEAD END	VALLEY FALLS AVE	2020-21
CAMEO DR	KINCAID ST	SUNSET DR	2020-21
CAMPBELL AVE	SUMMIT AVE	OAK ST	2020-21
CANYON RD	SARITTA DR	END	2020-21
CAPRI AVE	GRANITE ST	WABASH AVE	2020-21
CARDINAL LN	CAMBRIDGE AVE	END	2020-21
CARMEL CT	CAPRI AVE	DEAD END	2020-21
CAROB ST	ALESSANDRO RD	PACIFIC ST	2020-21
CENTER ST	BROOKSIDE AVE	CRESCENT AVE	2020-21
CLOCK AVE	FALCON LN	DEARBORN ST	2020-21
CRESTWOOD DR	HILTON AVE	FRANKLIN AVE	2020-21
CROWN ST	SUNSET DR	MONTE VISTA DR	2020-21
DEXTER WAY	LINCOLN ST	END	2020-21
ELISE DR	TEXAS ST	KARON ST	2020-21
ELM ST	SUMMIT AVE	CAMPBELL AVE	2020-21
ESCONDIDO	SIERRA VISTA DR	END	2020-21
FALCON LN	CAMPUS AVE	END	2020-21
FOOTHILL WAY	DEARBORN ST	DEARBORN ST	2020-21
FRANKLIN AVE	OAK ST	SUMMIT B AVE	2020-21
GOLD BUCKLE CT	DEAD END	VALLEY FALLS AVE	2020-21
GOLD CUP CT	DEAD END	FOOTHILL WAY	2020-21
GRANDVIEW DR	SUMMIT AVE	SUMMIT AVE	2020-21
IMPERIAL	FOOTHILL WAY	END	2020-21
JONI LN	CAMBRIDGE AVE	END	2020-21
KARON ST	PENNSYLVANIA AVE	END	2020-21
KINCAID ST	CAROB ST	SUNSET DR	2020-21
LA ARRIBA	LA CRESTA DR	LA FLORA DR	2020-21
LA CRESTA DR	ALESSANDRO RD	MONTEREY ST	2020-21
LA FELIZ DR	CAROB ST	MONTEREY ST	2020-21
LA FLORA DR	LA LOMA DR	MONTEREY ST	2020-21
LA HERMOSA DR	ALESSANDRO RD	LA ARRIBA DR	2020-21
LA LOMA DR	LA HERMOSA DR	MONTEREY ST	2020-21
LARAMIE AVE	LINCOLN ST	DEARBORN ST	2020-21
LOS ROBLES CREST	OAK ST	END	2020-21
MITCHELL WAY	LARAMIE AVE	END	2020-21
MONTEREY ST	CRESCENT AVE	PACIFIC ST	2020-21
NARANJO	REVELATION WY	END	2020-21
OAK ST	FORD ST	FRANKLIN AVE	2020-21
PACIFIC ST	CRESCENT AVE	BURKE ST	2020-21

PMP STREET RESURFACING PROJECT
FY 2020-21

Name	From_	To_	FY
PAIGE LN	FRANKLIN AVE	CAMPBELL AVE	2020-21
PAIGE LN	PAIGE LN	END	2020-21
PALA BELLS	END	FOOTHILL WY	2020-21
PINE KNOLL CRESCENT	SERPENTINE DR	END	2020-21
POWELL LN	LINCLN ST	LARAMIE AVE	2020-21
RED BIRD CT	DEAD END	VALLEY FALLS AVE	2020-21
REVELATION	MENTONE BLVD	VALLEY FALLS AVE	2020-21
RHONDA LN	FRANKLIN AVE	CAMPBELL AVE	2020-21
SARRITA DR	ROSSMONT DR	CANYON RD	2020-21
SERPENTINE	MIRA MONTE DR	CROWN ST	2020-21
SESSUMS DR	JUDSON ST	WABASH AVE	2020-21
SIERRA CREST	VALLEY FALLS AVE	END	2020-21
SIERRA VISTA	CANYON RD	ELDER RD	2020-21
SILVER CUP CT	FOOTHILL WAY	DEAD END	2020-21
SILVER CUP CT	DEAD END	FOOTHILL WAY	2020-21
SUMMIT AVE	CAJON ST	CAMPBELL AVE	2020-21
SUMMIT B AVE	SUMMIT AVE	FRANKLIN AVE	2020-21
SUNDOWN	FOOTHILL WY	END	2020-21
SUNSET DR S	PINE KNOLL CRESCENT	CROWN ST	2020-21
VALLE VISTA DR	SUNSET DR	ROSSMONT DR	2020-21
VALLEY FALLS AVE	END	FOOTHILL WY	2020-21
VALLEY FALLS AVE	FOOTHILL WY	WABASH AVE	2020-21
VENICE COVE	END	REVELATION WY	2020-21

PMP STREET RESURFACING PROJECT
FY 2021-22

Name	From_	To_	FY
16TH	FLORIDA ST	END	2021-22
17TH	FLORIDA ST	END	2021-22
18TH	FLORIDA ST	END	2021-22
6TH AVE	WABASH AVE	CITY LIMIT	2021-22
AFTON CT	CRESTVIEW RD	END	2021-22
ALTA LOMA DR	COUNTRY CLUB DR	END	2021-22
ARIZONA ST	COULSTON AVE	END	2021-22
ARROYO RD	CAJON ST	PROSPECT DR	2021-22
ASHFORTH DR	CLUB DR	SOUTH LN	2021-22
BRADBURY DR	CRESTVIEW RD	END	2021-22
BRIGHTON CT	CRESTVIEW RD	END	2021-22
BUCKINGHAM DR	SOPHIA CT	CRESTVIEW RD	2021-22
CALLE DE ACACIA	EDGEHILL LN	END	2021-22
CALLE DE BARRANCA	SMILEY HEIGHTS DR	END	2021-22
CALLE DE LAS PALMAS	EDGEHILL LN	SMILEY HEIGHTS DR	2021-22
CALLE OCOTILLO	SMILEY HEIGHTS DR	END	2021-22
CAMELOT DR	WIMBLETON DR	MARVIN AVE	2021-22
CARLSON AVE	SUN AVE	BROCKTON AVE	2021-22
CHAUCER CT	HAMPTON RD	END	2021-22
COLUMBIA ST	LUGONIA AVE	RUBY AVE	2021-22
COULSTON AVE	ALABAMA ST	ARIZONA ST	2021-22
COUNTRY CLUB DR	SUNSET DR	VALLEY VIEW DR	2021-22
COUNTRY CLUB DR	MARIPOSA DR	PALTO ALTO DR	2021-22
COUNTRY CLUB LN	COUNTRY CLUB DR	END	2021-22
CRESTVIEW RD	FORD ST	BRADBURY DR	2021-22
DANELAW AVE	ASHFORTH DR	END	2021-22
DRAKE RIDGE CREST	SMILEY HEIGHTS DR	END	2021-22
EDGEHILL LN	CALLE DE ACACIA	SUNNYSIDE AVE	2021-22
EDGEHILL LN	SUNNYSIDE AVE	END	2021-22
EDGEMONT DR	229 EDGEMONT DR	LANTERN CREST ESTATES	2021-22
ENDYMION WAY	SOUTH LN	END	2021-22
EUREKA CT	EUREKA ST	DEAD END	2021-22
EUREKA ST	EUREKA CT	CYPRESS AVE	2021-22
FAIRMONT DR	EDGEMONT DR	PVMT CHNGE (370' N/ EDGEMO	2021-22
FAIRWAY DR	FAIRWAY DR	END	2021-22
FLORIDA ST	18TH ST	AVENUE N	2021-22
FLORIDA ST	AVENUE N	17TH ST	2021-22
FOX CT	CRESTVIEW RD	END	2021-22
FREYA DR	SOUTH LN	END	2021-22
GLENN CT	BROCKTON AVE	END	2021-22
GRANADA CT	CARLSON AVE	END	2021-22
HELEN CT	HELEN DR	END	2021-22
HIBISCUS DR	DEAD END	CYPRESS AVE	2021-22
HIGHVIEW DR	AVENUE N	END	2021-22
LEMONWOOD AVE	COLUMBIA ST	WEBSTER ST	2021-22
LIVE OAK CT	DEAD END	LEMONWOOD AVE	2021-22

PMP STREET RESURFACING PROJECT
FY 2021-22

Name	From_	To_	FY
MANZANITA RD	FAIRMONT DR	END	2021-22
MARSHALL ST	PARKFORD ST	END	2021-22
NAPLES AVE	WABASH AVE	JASPER AVE	2021-22
NEVADA ST	BARTON RD	PVMT CHNGE	2021-22
NICE AVE	WABASH AVE	CITY LIMITS (200' E/ JASPER AVE)	2021-22
ORANGE ST	COLTON AVE	SUN AVE	2021-22
PIEDMONT LN	SUNNYSIDE AVE	WEST END	2021-22
PIEDMONT LN	SUNNYSIDE AVE	EAST END	2021-22
PROSPECT DR	ARROYO RD	END	2021-22
REBECCA CREST	ALESSANDRO RD	DEAD END	2021-22
REDLANDS BLVD	10TH ST	CITRUS AVE	2021-22
SMILEY HEIGHTS DR	CYPRESS AVE	SERPENTINE DR	2021-22
SOUTH LN	ALTA VISTA DR	FREYA DR	2021-22
WABASH AVE	SESSUMS DR	CAPRI AVE	2021-22

PMP STREET RESURFACING PROJECT
FY 2022-23

Name	From_	To_	FY
4TH ST	CITRUS AVE	OLIVE AVE	2022-23
4TH ST	HOME PL	FERN AVE	2022-23
5TH AVE	FORD ST	DEARBORN ST	2022-23
ALTA ST	SUN AVE	LUGONIA AVE	2022-23
ASH ST	BROOKSIDE AVE	DEAD END	2022-23
BROCKTON AVE	GLENN CT	TEXAS ST	2022-23
BROCKTON AVE	DEARBORN ST	KENSINGTON DR	2022-23
CALHOUN ST	SUN AVE	UNION AVE	2022-23
CALLE SOLEJAR	LA SOLANA DR	SUNSET DR N	2022-23
CAPRI AVE	GRANITE ST	WABASH AVE	2022-23
CENTRAL AVE	COOK ST	GROVE ST	2022-23
CHURCH ST	HIGH AVE	COLTON AVE	2022-23
CHURCH ST	CITRUS AVE	CENTRAL AVE	2022-23
CITRUS AVE	UNIVERSITY ST	UNIVERSITY PL	2022-23
CLAY ST	UNION AVE	BROCKTON AVE	2022-23
COLTON AVE	CHURCH ST	DEARBORN ST	2022-23
COOK ST	CITRUS AVE	CERO CT	2022-23
COOK ST	CENTRAL AVE	PARK AVE	2022-23
CORNELL AVE	UNIVERSITY ST	GROVE ST	2022-23
COURIER AVE	TRIBUNE ST	OXFORD DR	2022-23
CYPRESS AVE	ROOSEVELT RD	LEMONLIME ST	2022-23
DEARBORN ST	CITRUS AVE	COLTON AVE	2022-23
DOYLE AVE	DEAD END	TORINO ST	2022-23
EDGEMONT DR	LANTERN CREST ESTATES	FAIRMONT DR	2022-23
EDWARDS ST	CORNELL AVE	DEAD END	2022-23
EUREKA ST	VINE ST	BROOKSIDE AVE	2022-23
FAIRWAY DR	FAIRWAY DR	WABASH AVE	2022-23
FARVIEW LN	PLEASANT VIEW DR	DEAD END	2022-23
FERN AVE	SAN MATEO ST	SAN JACINTO ST	2022-23
FERN AVE	4TH ST	CAJON ST	2022-23
FERN AVE	NORDINA ST	MYRTLE ST	2022-23
FERN AVE	LA PALOMA ST	REDLANDS BLVD	2022-23
FERN AVE	BOND ST	NORWOOD ST	2022-23
FERN AVE	NANETTE ST	ASH ST	2022-23
FORD ST	CITRUS AVE	RESERVOIR RD	2022-23
GROVE ST	CORNELL AVE	LUGONIA AVE	2022-23
HERALD ST	BROCKTON AVE	LUGONIA AVE	2022-23
JUDSON ST	SUSAN AVE	SAN BERNARDINO AVE	2022-23
LAWTON ST	COLTON AVE	SUN AVE	2022-23
LINCOLN ST	HIGHLAND AVE	KENWOOD DR	2022-23
LINCOLN ST	PAIUTE AVE	LUGONIA AVE	2022-23
LUGONIA AVE	LINCOLN ST	DEARBORN ST	2022-23
LUGONIA AVE	RESEARCH DR	END	2022-23
MCAULIFFE CT	PALM AVE	END	2022-23
NAPA AVE	GROVE ST	MORISSON DR	2022-23
NORDINA AVE	CLARK ST	OLIVE AVE	2022-23

PMP STREET RESURFACING PROJECT
FY 2022-23

Name	From_	To_	FY
OCCIDENTAL DR	COLTON AVE	BROCKTON AVE	2022-23
OHIO ST	SUN AVE	BROCKTON AVE	2022-23
OLIVE AVE	CAJON ST	6TH ST	2022-23
OLIVE AVE	CENTER ST	ALVARADO ST	2022-23
ORANGE ST	STATE ST	REDLANDS BLVD	2022-23
ORANGE ST	SUN AVE	WESTERN AVE	2022-23
ORANGE ST	PIONEER AVE	BLUFFS TRAIL	2022-23
ORANGE ST	DELAWARE AVE	PENNSYLVANIA AVE	2022-23
OXFORD DR	BROCKTON AVE	COURIER AVE	2022-23
PALM AVE	EASTWOOD ST	FORD ST	2022-23
PARK AVE	UNIVERSITY ST	END	2022-23
PENNSYLVANIA AVE	LASSEN ST	DeANZA ST	2022-23
PENNSYLVANIA AVE	VILLAGE ST	GROVE ST	2022-23
REDLANDS BLVD	TEXAS ST	STATE ST	2022-23
REDLANDS BLVD	CYPRESS AVE	FORD ST	2022-23
RESEARCH DR	ALMOND AVE	LUGONIA AVE	2022-23
RUBY AVE	COLUMBIA ST	OHIO ST	2022-23
SAN BERNARDINO AVE	OCCIDENTAL DR	HARRISON LN	2022-23
SAN MATEO ST	OLIVE AVE	MAGNOLIA AVE	2022-23
SONATA DR	TORINO ST	TIVOLI DR	2022-23
SONORA ST	CLARK ST	OLIVE AVE	2022-23
SUNSET DR N	PANORAMA POINT DR	PVMT CHNGE (340' E/ CALLE SO	2022-23
TORINO ST	SAN BERNARDINO AVE	SONATA DR	2022-23
TRIBUNE ST	COLTON AVE	UNION AVE	2022-23
TRIBUNE ST	BROCKTON AVE	LUGONIA AVE	2022-23
WEBSTER ST	COLTON AVE	SUN AVE	2022-23
WEBSTER ST	UNION AVE	BROCKTON AVE	2022-23
WESTERN AVE	COLUMBIA ST	WEBSTER ST	2022-23

PMP STREET RESURFACING PROJECT
FY 2023-24

Name	From_	To_	FY
ALTA ST	SAN JUAN AVE	SAN BERNARDINO AVE	2023-24
ALTA ST	COLTON AVE	SUN AVE	2023-24
ARDMORE AVE	BERMUDA DR	DEAD END	2023-24
BELLA VISTA CT	DEAD END	BELLEVUE AVE	2023-24
BERMUDA DR	EVERGREEN CT	DEAD END	2023-24
BERMUDA DR	DEAD END	ARDMORE AVE	2023-24
BROOKDALE DR	BROOKSIDE AVE	END	2023-24
CANYON DR	HIGHVIEW DR	END	2023-24
CENTER ST	CHARLESTON LN	RIDGE ST	2023-24
CENTRAL AVE	CHURCH ST	CITRUS AVE	2023-24
CENTRAL AVE	GROVE ST	JUDSON ST	2023-24
CENTRAL AVE	UNIVERSITY ST	COOK ST	2023-24
CERO CT	DEAD END	COOK ST	2023-24
CHURCH ST	SAN BERNARDINO AVE	PIONEER AVE	2023-24
CIMARRON CT	CIMARRON DR	DEAD END	2023-24
CIMARRON CT	DEAD END	CIMARRON DR	2023-24
CITRUS AVE	GROVE ST	DEARBORN ST	2023-24
CLAY ST	LOGONIA AVE	DELAWARE AVE	2023-24
CLUB DR	SUNSET DR	ASHFORTH DR	2023-24
COOK ST	CERO CT	CENTRAL AVE	2023-24
CORONADO DR	DEAD END	ARDMORE AVE	2023-24
CRESTVIEW RD	BRADBURY DR	BUCKINGHAM DR	2023-24
DALE LN	DALE LN	DEAD END	2023-24
DALE LN	SAN JACINTO ST	HAMLIN PL	2023-24
DALE LN	DEAD END	SAN JACINTO ST	2023-24
DALE LN	DEAD END	DALE LN	2023-24
DEARBORN ST	COLTON AVE	BROCKTON AVE	2023-24
DRACENA CT	CIMARRON DR	DEAD END	2023-24
EDGEMONT DR	SUNSET DR S	229 EDGEMONT DR	2023-24
EVERGREEN CT	CORONADO DR	BERMUDA DR	2023-24
EVERRON CT	EVERGREEN CT	DEAD END	2023-24
FAIRMONT DR	EDGEMONT DR	SUNSET DR	2023-24
FALLBROOK CT	FALLBROOK AVE	DEAD END	2023-24
FORD ST	FARVIEW LN	CRESTVIEW RD	2023-24
FOUNTAIN CT	FOUNTAIN AVE	DEAD END	2023-24
FREMONT ST	FALLBROOK AVE	DEAD END	2023-24
FULBRIGHT AVE	NANETTE ST	NANETTE ST	2023-24
HAMLIN PL	DALE LN	NANETTE ST	2023-24
HAMPTON RD	CRESTVIEW RD	BRADBURY DR	2023-24
HASTINGS CT 1	HASTINGS ST	DEAD END	2023-24
HASTINGS ST	OLIVE AVE	FALLBROOK AVE	2023-24
HERALD ST	COLTON AVE	BROCKTON AVE	2023-24
HERRINGTON DR	GREENBRIAR CT	LA SALLE ST	2023-24
HIGHVIEW	ALTA VISTA DR	AVENUE N	2023-24
INDEPENDENCE AVE	ADAMS ST	WESTBROOK CIR	2023-24
INDEPENDENCE AVE	CARNES CIR	WABASH AVE	2023-24

PMP STREET RESURFACING PROJECT
FY 2023-24

Name	From_	To_	FY
INDIANA CT	LUGONIA AVE	END	2023-24
JUNIPER CT	DEAD END	ROOSEVELT RD	2023-24
KIRBY CT	DOYLE AVE	DEAD END	2023-24
LA PALOMA ST	FERN AVE	CLARK ST	2023-24
LAUREL AVE	STEELE ST	BELLEVUE AVE	2023-24
MATTHEW CT	DEAD END	TAMARISK ST	2023-24
NANETTE ST	FULBRIGHT AVE	FLETCHER AVE	2023-24
NANETTE ST	HAMLIN PL	OLIVE AVE	2023-24
NANETTE ST	DEAD END	HAMLIN PL	2023-24
NORWOOD ST	OLIVE AVE	DEAD END	2023-24
OXFORD DR	DEAD END	BROCKTON AVE	2023-24
PALM AVE	FORD ST	END	2023-24
PARKER CT	KANSAS ST	DEAD END	2023-24
PARKWOOD DR	OLIVE AVE	GLENWOOD DR	2023-24
PENNSYLVANIA AVE	ORANGE ST	LASSEN ST	2023-24
PENNSYLVANIA AVE	DeANZA ST	CHURCH ST	2023-24
PROSPECT DR	FOUNTAIN AVE	PROSPECT ST	2023-24
RACHEL CT	DEAD END	TAMARISK ST	2023-24
ROMA ST	BROOKSIDE AVE	DEAD END	2023-24
SAN JACINTO ST	DALE LN	OLIVE AVE	2023-24
SAN JUAN AVE	DEAD END	ALTA ST	2023-24
SAN MARCOS AVE	DEAD END	ALTA ST	2023-24
SMILEY HEIGHTS DR	WOODEN BRIDGE LN	CALLE DE LAS PALMAS	2023-24
SUN AVE	ORANGE ST	POST ST	2023-24
SUNNYSIDE AVE	EDGEHILL LN	END	2023-24
THOMAS AVE	BERKELEY DR	END	2023-24
TRIBUNE ST	UNION AVE	BROCKTON AVE	2023-24
UNIVERSITY AVE	PENNSYLVANIA AVE	SAN BERNARDINO AVE	2023-24
VALLEY VIEW LN	COUNTRY CLUB DR	DEAD END	2023-24
VERDE VISTA DR	COUNTRY CLUB DR	END	2023-24
VIA VISTA DR	MARGARITA DR	COUNTRY CLUB DR	2023-24
VINTON WY	SUNSET DR	END	2023-24
WASHINGTON ST	UNION AVE	BROCKTON AVE	2023-24
WASHINGTON ST	COLTON AVE	SUN AVE	2023-24
WIMBLETON DR	CRESTVIEW DR	CAMELOT DR	2023-24
YUKON ST	DENISE AVE	GAIL AVE	2023-24

PMP STREET RESURFACING PROJECT
FY 2024-25

Name	From_	To_	FY
5TH ST	VINE ST	END	2024-25
ALABAMA AVE	COUNTY LIMIT	CITY LIMIT	2024-25
ALMOND ST	CALIFORNIA ST	CITY LIMIT	2024-25
AMETHYST ST	MENTONE BLVD	END	2024-25
ASHFORTH DR	SUTHERLAND DR	END	2024-25
AVENUE N	HIGHVIEW DR	FLORIDA ST	2024-25
BELLEVUE CT	BELLEVUE AVE	END	2024-25
BLUE BIRD LN	RIVERVIEW DR	BLUE JAY LN	2024-25
BLUE JAY LN	BLUE BIRD LN	RIVERVIEW DR	2024-25
BRYN MAWR AVE	LUGONIA AVE	END	2024-25
CALIFORNIA ST	LUGONIA AVE	END	2024-25
CANTANIA AVE	TIVOLI DR	VERONA DR	2024-25
CASTLEGATE LN	PIONEER AVE	CRYSTAL SPRINGS LN	2024-25
COLORADO ST	DEODAR ST	RIVERVIEW DR	2024-25
CRYSTAL COVE CT	CRYSTAL SPRINGS LN	END	2024-25
CRYSTAL CT	OCCIDENTAL DR	END	2024-25
CRYSTAL SPRINGS LN	TEXAS ST	CASTLEGATE LN	2024-25
DEODAR ST	FURLOW DR	COLORADO ST	2024-25
DOMESTIC AVE	CELMENTINE ST	FURLOW DR	2024-25
EDGEFAIR LN	FAIRMONT DR	END	2024-25
FOUNTAIN AVE	KNOLL RD	END	2024-25
FRONTAGE RD	SAN TIM CANYON RD	END	2024-25
FURLOW DR	PIONEER AVE	RIVERVIEW DR	2024-25
GARNET ST	NORTH CITY LIMIT	SOUTH CITY LIMIT	2024-25
GREENSPOT RD	NORTH CITY LIMIT	SOUTH CITY LIMIT	2024-25
HOWARD PL	IOWA ST	END	2024-25
IOWA ST	CITRUS AVE	PARK AVE	2024-25
LIVE OAK CANYON RD	SAN TIM CANYON RD	CITY LIMIT	2024-25
LIVE OAK CANYON RD	CITY LIMIT	EASTERLY LIMIT	2024-25
LUGONIA AVE	RESEARCH DR	ALABAMA AVE	2024-25
MARIGOLD AVE	SAN BERNARDINO AVE	PALMETTO AVE	2024-25
MILL ST	NEVADA ST	END	2024-25
PALMETTO AVE	MARIGOLD AVE	NEVADA ST	2024-25
PALOMARES RD	SAN TIM CANYON RD	END	2024-25
PILGRIM RD	SAN TIM CANYON RD	END	2024-25
RAINBOW LN	HERRINGTON DR	END	2024-25
RIVERVIEW DR	CLEMENTINE ST	BLUE JANY LN	2024-25
ROOSEVELT RD	HIGHLAND END	SOUTH END	2024-25
SAN BERNARDINO AVE	MOUNTAIN VIEW AVE	CALIFORNIA AVE	2024-25
SILVERLEAF CT	ASHFORTH DR	END	2024-25
SONATA DR	TIVOLI DR	VERONA DR	2024-25
SOUTH LN	FREYA DR	SUTHERLAND DR	2024-25
STUART	TEXAS ST	LAWTON ST	2024-25
SUTHERLAND DR	ASHFORTH DR	SOUTH LN	2024-25
TENNESSEE ST	SAN BERNARDINO AVE	PIONEER AVE	2024-25
TEXAS ST	SAN BERNARDINO AVE	NORTH END	2024-25

PMP STREET RESURFACING PROJECT
FY 2024-25

Name	From_	To_	FY
TIVOLI DR	CANTANIA AVE	PIONEER AVE	2024-25
VALLEY VIEW DR	COUNTRY CLUB DR	SUNSET DR	2024-25
VERONA	SAN BERNARDINO AVE	SONATA DR	2024-25
WABASH	6TH ST	PANORAMA DR	2024-25
WABASH AVE	MENTONE BLVD	CAPRI AVE	2024-25
WABASH AVE	COLTON AVE	CITRUS AVE	2024-25

MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT

CIP PROJECTS LIST

January 2020

PLANNING		Project Name	Project Phase	Progress	Current Budget
P1	WATER	Agate Well #2 Rehabilitation	PLANNING	5%	\$250,000.00
P2	WATER	Crafton Well Rehabilitation	PLANNING	5%	\$250,000.00
P3	WATER	N. Orange #2 Well Rehabilitation	PLANNING	5%	\$120,000.00
P4	WATER	Orange St. Well Rehabilitation	PLANNING	5%	\$120,000.00
P5	NON-POTABLE	Well 31A Rehabilitation	PLANNING	5%	\$120,000.00
P6	NON-POTABLE	Well 32 Rehabilitation	PLANNING	5%	\$120,000.00
P7	NON-POTABLE	Well 36 Rehabilitation	PLANNING	5%	\$120,000.00
P8	NON-POTABLE	Hog Canyon Well Rehabilitation	PLANNING	5%	\$120,000.00
P10	WATER	Hinckley/Tate Roof Repair Project	PLANNING	5%	\$500,000.00
P11	WATER	Hinckley WTP Safety Fencing Project	PLANNING	10%	\$40,000.00
P12	WATER	Reservoir Sites Fixed Generators (Tx. St. / C.C. / 5th Ave.)	PLANNING	5%	\$750,000.00
P13	WATER	Sunset Reservoir Recoating & Improvement Project	PLANNING	5%	\$2,100,000.00
P16	WATER	Water Meter Replacement Project	PLANNING	5%	\$600,000.00
P17	CDBG	18/19 CDBG Civic Center ADA Improvements	PLANNING	25%	\$129,471.00
P18	WATER	Tate ACH Tank Replacement	PLANNING	5%	\$25,000.00
P19	WATER	Tate WTP Clarifier Recoating	PLANNING	5%	\$500,000.00
P20	LOCAL TRANS	HSIP Cycle 8 - Signal Preemption Project	PLANNING	50%	\$1,173,791.00
P21	LOCAL TRANS	HSIP Cycle 9 – Pedestrian In-Roadway Lights	PLANNING	50%	\$250,000.00
Planning Projects - Cost Summary					\$7,288,262.00
DESIGN		Project Name	Project Phase	Progress	Current Budget
D1	WATER	2020 CIP Water Pipeline Replacement	DESIGN	75%	\$2,500,000.00
D2	PMP	PMP/PARIS 2020 Street Resurfacing Project	DESIGN	85%	\$6,000,000.00
D3	WATER	Hinckley WTP Backup Generator Replacement	DESIGN	25%	\$125,000.00
D5	ATP Cycle 2	ATP Highland/Redlands Regional Connector - Orange St	DESIGN	50%	\$1,532,843.00
D7	NON-POTABLE	Texas Street Non-Potable Reservoir	DESIGN	50%	\$1,800,000.00
D8	SBCTA	I-10/Alabama Street Improvement (\$15,150,600)	DESIGN	65%	\$2,506,921.00
D9	ATP Cycle 3	ATP East Valley Corridor Bike Rte Interconnect - Alabama	DESIGN	75%	\$2,112,000.00
D10	GENERAL CAPITAL	Orange Blossom Trail - Phase 3	DESIGN	95%	\$918,722.00
D11	LOCAL TRANS	HSIP Cycle 8 - Pedestrian Heads Project	DESIGN	95%	\$260,000.00
Design Projects - Cost Summary					\$17,755,486.00
BID & AWARD		Project Name	Project Phase	Progress	Current Budget
B1	SBCTA	I-10/University Interchange Project (\$5,812,935)	BID & AWARD	95%	\$1,234,260.00
Bid & Award Project - Cost Summary					\$1,234,260.00
CONSTRUCTION		Project Name	Project Phase	Progress	Contract Amount
C1	WASTEWATER	MBR & Digester Improvements Project- Phase 1B	CONST	5%	\$6,128,100.00
C2	WATER	Water System SCADA Design & Integration	CONST	15%	\$3,050,609.00
C3	CDBG	19/20 CDBG Alley Paving Improvements	CONST	75%	\$373,624.40
C4	WATER	2020 Citywide Pavement Repair for Water Projects	CONST	25%	\$429,020.00
C5	PARIS/M-I/SB-1	PARIS 2019 Resurfacing Project (1741-1988)	CONST	99%	\$10,675,000.00
Construction Projects - Cost Summary					\$11,104,020.00
Project Total Dollars					\$37,382,028.00

FISCAL YEAR 2021/2022 POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS														
ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Airport #1 Well Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
2		Church Street Well Rehabilitation	Five (5) year preventive maintenance						\$ 80,000.00			\$ 80,000.00		MUED Water Production Staff
3		East Lugonia #3 Well Rehabilitation	Five (5) year preventive maintenance						\$ 80,000.00			\$ 80,000.00		MUED Water Production Staff
4		East Lugonia #6 Well Rehabilitation	Five (5) year preventive maintenance						\$ 80,000.00			\$ 80,000.00		MUED Water Production Staff
5		North Orange #1 Well Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
6		Tate WTP Transmission Line Replacement	Assessment and design for replacement of Tate WTP Transmission raw water line						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
7		Water Infrastructure Seismic Assessment	Citywide water infrastructure seismic assessment						\$ 1,500,000.00			\$ 1,500,000.00		DDW
8		Hinckley WTP Sludge Press	Design & Installation of new press to dispose of byproducts from enhanced coagulation treatment						\$ 300,000.00			\$ 300,000.00		MUED Water Production Staff
9		Hinckley WTP Transmission Line Replacement	Assessment and design for replacement of Hinckley WTP Transmission raw water line						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
10		Tank Mixer Installations	Install water quality reservoir mixers to resolve DDW Sanitary Survey deficiency - Margarita/Sand Canyon/Smiley/5th Avenue						\$ 100,000.00			\$ 100,000.00		DDW
11		Tate WTP Programmable Logic Controller (PLC) Replacement	End-of-life hardware replacement						\$ 400,000.00			\$ 400,000.00		MUED Water Production Staff
12		Annual Citywide Waterline Replacements	PMP 2020 Waterline replacements						\$ 4,500,000.00	\$ 4,500,000.00				MUED Water Distribution Staff
13		Sunset Reservoir Rehabilitation	Engineer replacement 3.0 MG steel storage tank						\$ 1,200,000.00	\$ 2,500,000.00				MUED Water Production Staff
14		Water System SCADA Integration - Phase 2	End-of-life hardware replacement at sixteen (16) sites						\$ 3,900,000.00			\$ 3,900,000.00		MUED Water Distribution Staff
15		Wellhead Perchlorate Treatment Evaluation - Church Street/Orange/Well #38/Well #39	Assessment & design of treatment process for Perchlorate reduction to achieve pending DDW reduction in MCL						\$ 150,000.00			\$ 150,000.00		DDW
16		Annual Citywide Potable Water Meter Replacements - Phase 1	Five (5) year project to replace under-performing meters identified in meter accuracy assessment project						\$ 1,815,000.00			\$ 1,815,000.00		MUED Water Distribution Staff
17		Agate #2 Well Liner Rehabilitation	Engineer & install replacement liner						\$ 175,000.00			\$ 175,000.00		MUED Water Production Staff
18		Booster #2131 Replacement	End-of-life hardware replacement						\$ 50,000.00			\$ 50,000.00		MUED Water Distribution Staff
19		Booster #2132 Replacement	End-of-life hardware replacement						\$ 50,000.00			\$ 50,000.00		MUED Water Distribution Staff
20														
21														
22														
23														
24														
25														

FY 2022 WATER FUND CIP TOTAL = \$ 14,820,000.00 \$ 7,000,000.00 \$ - \$ 9,120,000.00 \$ -

FISCAL YEAR 2021/2022 NON-POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Recycled Water Reservoirs	Design two (2) recycled water reservoirs to be constructed at WWTP						\$ 180,000.00			\$ 180,000.00		MUED Water Production Staff
2		Citywide Non-Potable Water Meter Replacements	Replace under-performing meters identified in meter accuracy assessment project						\$ 93,000.00			\$ 93,000.00		MUED Water Production Staff
3		Non-Potable Water Well #31A Rehabilitation	Five (5) year preventive maintenance						\$ 250,000.00			\$ 250,000.00		MUED Water Production Staff
4		Non-Potable Water Well #32 Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
5														MUED Water Production Staff
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FY 2022 NON-POTABLE WATER FUND CIP TOTAL = \$ 623,000.00 \$ - \$ - \$ 623,000.00 \$ -

FISCAL YEAR 2021/2022 WASTEWATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR	
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE		
2		Annual Citywide Sanitary Sewer Collection Pipeline Replacements	PMP 2020 sanitary sewer collection line replacements						\$ 1,000,000.00	\$ 1,000,000.00					MUED Sewer Collection Staff
3		WWTP Rehabilitation - Phase 2	Phase 2 WWTP Rehabilitation <u>Engineering</u>						\$ 4,400,000.00			\$ 4,400,000.00			MUED WWTP Staff
4		Alabama Septage Pond Remediation	Environmental impact mitigation assessment						\$ 240,000.00	\$ 250,000.00					RWQCB
5		WWTP Drying bed lechate remediation	Environmental impact mitigation assessment						\$ 250,000.00	\$ 250,000.00					RWQCB
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FY 2022 WASTEWATER FUND CIP TOTAL = \$ 5,890,000.00 \$ 1,500,000.00 \$ - \$ 4,400,000.00 \$ -

FISCAL YEAR 2022/2023 POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS														
ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		1750 Blend Manifold Replacement	End-of-life hardware replacement						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
2		Hinckley WTP Transmission Line Replacement - Phase 1	Replacement & Upsize of transmission line						\$ 2,000,000.00			\$ 2,000,000.00		MUED Water Production Staff
3		Hinckley WTP Paving	Replace and add pavement to the WTP						\$ 150,000.00			\$ 150,000.00		MUED Water Production Staff
4		Madeira Well Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
5		Mentone 2 Well Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
6		Redlands BLVD/New Jersey PRV Station Replacement	Engineer PRV station upgrade for fire protection and system redundancy						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
7		Tate WTP Clarifier Recoating & Cover Installation	Preparation & Coating of clarifier tank & installation of new cover						\$ 1,300,000.00			\$ 1,300,000.00		MUED Water Production Staff
8		Texas Grove Reservoir Mixer	Design & installation of mixer						\$ 75,000.00			\$ 75,000.00		MUED Water Production Staff
9		Annual Citywide Waterline Replacements	PMP 2020 Waterline replacements						\$ 4,500,000.00	\$ 4,500,000.00				MUED Water Distribution Staff
10		Annual Citywide Potable Water Meter Replacements - Phase 2	Five (5) year project to replace under-performing meters identified in meter accuracy assessment project						\$ 1,815,000.00			\$ 1,815,000.00		MUED Water Distribution Staff
11		Well #38 Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
12		Well #39 Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
13		Wellhead Perchlorate Treatment Evaluation - Well #10/Well #13/Agate #1/Agate #2/Crafton	Evaluate & design treatment process for Perchlorate reduction to achieve pending DDW reduction in MCL						\$ 150,000.00			\$ 150,000.00		MUED Water Production Staff
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FY 2023 WATER FUND CIP TOTAL = \$ 10,670,000.00 \$ 4,500,000.00 \$ - \$ 6,170,000.00 \$ -

FISCAL YEAR 2022/2023 NON-POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Crafton Hills & Property-One Reservoir	Design of 0.5 - 1.0 MG reservoir to eliminate non-potable water wasting						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
2		Recycle Water Reservoir	Construction of one (1) recycled water reservoir at WWTP						\$ 800,000.00			\$ 800,000.00		MUED Water Production Staff
3		New York Well Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
4		Well #11 Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
5		Well #36 Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
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25	FY 2023 NON-POTABLE WATER FUND CIP TOTAL = \$ 1,200,000.00 \$ - \$ - \$ 1,200,000.00 \$ -													

FISCAL YEAR 2022/2023 WASTEWATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Annual Citywide Sanitary Sewer Collection Pipeline Replacements	PMP 2020 sanitary sewer collection line replacements						\$ 3,000,000.00	\$ 1,000,000.00			\$ 2,000,000.00	MUED Sewer Collection Staff
2		WWTP Rehabilitationon - Phase 2A	Construction of WWTP Rehabilitation - Phase 2A critical need elements						\$ 11,300,000.00				\$ 11,300,000.00	MUED WWTP Staff
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FY 2023 WASTEWATER FUND CIP TOTAL = \$ 14,300,000.00 \$ 1,000,000.00 \$ - \$ - \$ 13,300,000.00

FISCAL YEAR 2023/2024 POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Airport #2 Well Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
2		East Lugonia #3 Well Replacement	Engineer new well						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
3		HAWC Booster Pump Rehabilitation	End-of-life hardware replacement						\$ 500,000.00			\$ 500,000.00		MUED Water Production Staff
4		Highline Waterline Replacement - Final Phase	Engineer Highline water pipeline replacement - Final Phase						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
5		Hinckley WTP Transmission Line Replacement - Phase 2	Replacement & Upsize of transmission line						\$ 2,000,000.00			\$ 2,000,000.00		MUED Water Production Staff
6		Mill Creek #2A Well Rehabilitation	Five (5) year preventive maintenance						\$ 80,000.00			\$ 80,000.00		MUED Water Production Staff
7		Redlands BLVD/New Jersey PRV Station Replacement	Construct PRV station upgrade for fire protection and system redundancy						\$ 250,000.00			\$ 250,000.00		
8		Rees Well Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00			\$ 120,000.00		MUED Water Production Staff
9		S.B. Muni Well Rehabilitation	Five (5) year preventive maintenance						\$ 60,000.00			\$ 60,000.00		MUED Water Production Staff
10		Annual Citywide Waterline Replacements	PMP 2020 Waterline replacements						\$ 4,500,000.00	\$ 4,500,000.00				MUED Water Distribution Staff
11		Annual Citywide Potable Water Meter Replacements - Phase 3	Five (5) year project to replace under-performing meters identified in meter accuracy assessment project						\$ 1,815,000.00			\$ 1,815,000.00		MUED Water Distribution Staff
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FY 2024 WATER FUND CIP TOTAL = \$ 9,645,000.00 \$ 4,500,000.00 \$ - \$ 5,145,000.00 \$ -

FISCAL YEAR 2023/2024 NON-POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Crafton Hills & Property-One Reservoir	Construct of 0.5 - 1.0 MG reservoir to eliminate non-potable water wasting						\$ 850,000.00			\$ 850,000.00		MUED Water Production Staff
2		Mill Creek #4 Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
3		Redlands Heights Well Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00			\$ 100,000.00		MUED Water Production Staff
4		WWTP Recycle Water Reservoir	Construction of one (1) recycled water reservoir at WWTP						\$ 800,000.00			\$ 800,000.00		MUED Water Production Staff
5		Texas Street Reservoir	Design of non-potable reservoir						\$ 50,000.00	\$ 1,800,000.00		\$ 50,000.00		MUED Water Production Staff
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FY 2024 NON-POTABLE WATER FUND CIP TOTAL = \$ 1,900,000.00 \$ 1,800,000.00 \$ - \$ 1,900,000.00 \$ -

FISCAL YEAR 2023/2024 WASTEWATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Annual Citywide Sanitary Sewer Collection Pipeline Replacements	PMP 2020 sanitary sewer collection line replacements						\$ 3,000,000.00	\$ 1,000,000.00			\$ 2,000,000.00	MUED Sewer Collection Staff
2		WWTP Rehabilitation - Phase 2B	Construct Phase 2B elements						\$ 9,200,000.00				\$ 9,200,000.00	MUED WWTP Staff
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FY 2024 WASTEWATER FUND CIP TOTAL = \$ 12,200,000.00 \$ 1,000,000.00 \$ - \$ - \$ 11,200,000.00

FISCAL YEAR 2024/2025 POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS														
ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		East Lugonia #3 Well Replacement	Construct new well						\$ 2,500,000.00				\$ 2,500,000.00	MUED Water Production Staff
2		Entrained Air Treatment System Assessment	Engineer solution for eliminating entrained air within wells						\$ 500,000.00				\$ 500,000.00	MUED Water Production Staff
3		Maguet #2 Well Rehabilitation	Five (5) year preventive maintenance						\$ 50,000.00				\$ 50,000.00	MUED Water Production Staff
4		Mill Creek #2 Well Rehabilitation	Five (5) year preventive maintenance						\$ 80,000.00				\$ 80,000.00	MUED Water Production Staff
5		Tate WTP Influent Static Mixer	Design & installation of an influent static mixer at Tate Water Treatment Plant.						\$ 150,000.00				\$ 150,000.00	MUED Water Production Staff
6		Annual Citywide Waterline Replacements	PMP 2020 Waterline replacements						\$ 4,500,000.00	\$ 4,500,000.00				MUED Water Distribution Staff
7		Well #10 Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00				\$ 120,000.00	MUED Water Production Staff
8		Well #13 Rehabilitation	Five (5) year preventive maintenance						\$ 120,000.00				\$ 120,000.00	MUED Water Production Staff
9		Annual Citywide Potable Water Meter Replacements - Phase 4	Five (5) year project to replace under-performing meters identified in meter accuracy assessment project						\$ 1,815,000.00				\$ 1,815,000.00	MUED Water Distribution Staff
10		Sunset Reservoir Rehabilitation	Construct replacement 3.0 MG steel storage tank						\$ 6,000,000.00	\$ 1,300,000.00			\$ 4,700,000.00	MUED Water Production Staff
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FY 2025 WATER FUND CIP TOTAL =									\$ 15,835,000.00	\$ 5,800,000.00	\$ -	\$ -	\$ 10,035,000.00	

FISCAL YEAR 2024/2025 NON-POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		California Street Well Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00				\$ 100,000.00	MUED Water Production Staff
2		Hog Canyon Well Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00				\$ 100,000.00	MUED Water Production Staff
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25	FY 2025 NON-POTABLE WATER FUND CIP TOTAL = \$ 200,000.00 \$ - \$ - \$ - \$ 200,000.00													

FISCAL YEAR 2024/2025 WASTEWATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Annual Citywide Sanitary Sewer Collection Pipeline Replacements	PMP 2020 sanitary sewer collection line replacements						\$ 3,000,000.00	\$ 1,000,000.00			\$ 2,000,000.00	MUED Sewer Collection Staff
2		WWTP Rehabilitation - Phase 2C	Construct Phase 2C elements						\$ 13,700,000.00				\$ 13,700,000.00	MUED WWTP Staff
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FY 2025 WASTEWATER FUND CIP TOTAL = \$ 16,700,000.00 \$ 1,000,000.00 \$ - \$ - \$ 15,700,000.00

FISCAL YEAR 2025/2026 POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Booster Stations & MCC Upgrade	Evaluate & Engineer end-of-life hardware replacements						\$ 500,000.00				\$ 500,000.00	MUED Water Production Staff
2		Annual Citywide Waterline Replacements	PMP 2020 Waterline replacements						\$ 4,500,000.00	\$ 4,500,000.00				MUED Water Distribution Staff
3		Highline Waterline Replacement - Final Phase	Construct Highline water pipeline replacement - Final Phase						\$ 3,000,000.00				\$ 3,000,000.00	MUED Water Production Staff
4		Annual Citywide Potable Water Meter Replacements - Phase 5	Five (5) year project to replace under-performing meters identified in meter accuracy assessment project						\$ 1,815,000.00				\$ 1,815,000.00	MUED Water Distribution Staff
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FY 2026 WATER FUND CIP TOTAL = \$ 9,815,000.00 \$ 4,500,000.00 \$ - \$ - \$ 5,315,000.00

FISCAL YEAR 2025/2026 NON-POTABLE WATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Chicken Hill Well Rehabilitatin	Five (5) year preventive maintenance						\$ 100,000.00				\$ 100,000.00	MUED Water Production Staff
2		Well #30A Rehabilitation	Five (5) year preventive maintenance						\$ 100,000.00				\$ 100,000.00	MUED Water Production Staff
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FY 2026 NON-POTABLE WATER FUND CIP TOTAL = \$ 200,000.00 \$ - \$ - \$ - \$ 200,000.00

FISCAL YEAR 2025/2026 WASTEWATER FUND CAPITAL IMPROVEMENT PROGRAM PROJECTS

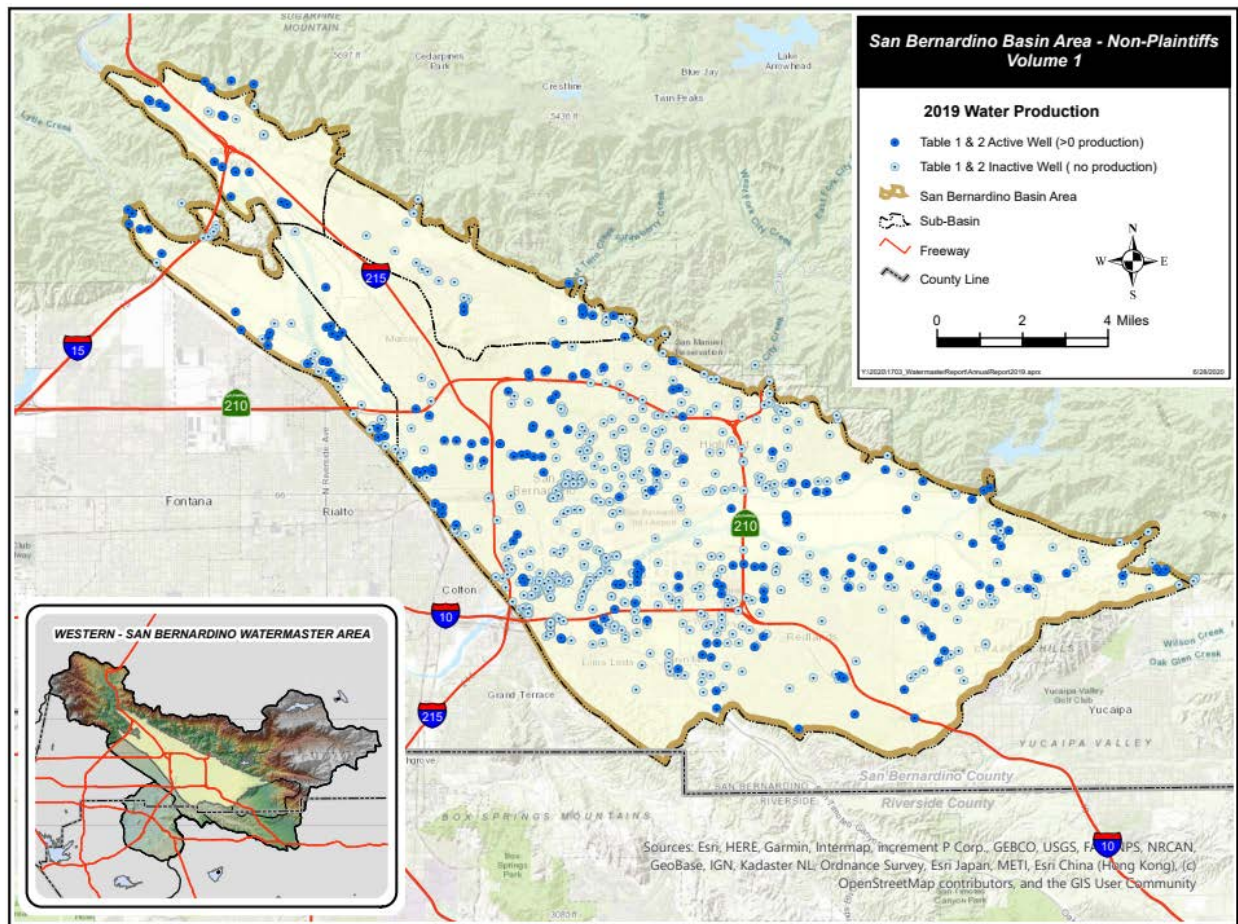
ITEM	PROJECT NUMBER	PROJECT NAME	PROJECT SCOPE	PROJECT PHASE COMPLETION SCHEDULE					BUDGET ESTIMATE	FUNDING SOURCE				PROJECT ORIGINATOR
				PLANNING	ENGINEERING	ACQUISITION	PROCUREMENT	CONSTRUCTION		EXISTING	GRANT	RESERVES	RATE	
1		Annual Citywide Sanitary Sewer Collection Pipeline Replacements	PMP 2020 sanitary sewer collection line replacements						\$ 3,000,000.00	\$ 1,000,000.00			\$ 2,000,000.00	MUED Sewer Collection Staff
2		WWTP Rehabilitation - Phase 2	Construct Phase 2D elements						\$ 4,900,000.00				\$ 4,900,000.00	MUED WWTP Staff
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FY 2026 WASTEWATER FUND CIP TOTAL = \$ 7,900,000.00 \$ 1,000,000.00 \$ - \$ - \$ 6,900,000.00

SAN BERNARDINO BASIN AREA (SBBA) GROUNDWATER COUNCIL

History

Due to continued drought in California, in 2014, the State Legislature enacted the Sustainable Groundwater Management Act of 2014 (SGMA). SGMA requires all un-adjudicated basins to form Groundwater Sustainability Agencies (GSA) to ensure management of groundwater basins. Bunker Hill Basin (“Basin”), the San Bernardino Basin Area’s (SBBA) largest basin, and a primary source of water supply for the City of Redlands, is exempt from SGMA’s GSA requirement as it is an adjudicated basin, managed by a court appointed watermaster.



San Bernardino Basin Area (“SBBA”)

However, due to drought and lack of adjudication of the Basin at an agency level, the Basin had been operating at historically low groundwater levels. San Bernardino Valley Water District (“Valley District”), the region’s wholesale water supplier, is responsible for replenishment of the Basin, as directed in the Western Judgement (a 1969 court decree establishing the “safe yield”, or amount of water that can be extracted out of the basin without adverse effects, and replenishment requirements of the Basin to ensure users downstream of the Basin receive the amount of water they had historically received).

In 2015, Valley District created a Groundwater Council (GC) to manage sustainability efforts. The GC is a consortium of water producers in the SBBA. Using SGMA as a model to achieve basin sustainability, the goal of the GC is that the Basin, a shared resource, would become the formal responsibility of all who produce from it. All are to share in the annual costs to purchase the replenishment water needed to bring the Basin to sustainable levels, as well as the costs to facilitate the efforts. Because legislation did not require the Basin to be managed under SGMA (as it is currently managed by a court appointed watermaster), participation in the GC is voluntary.

To achieve Basin sustainability, the GC initially determined the cost for imported water needed for recharge, and the operations and maintenance to facilitate the efforts, would be \$20 million dollars over 5 years, and estimated the City of Redlands’ portion to be ~ \$676,000 of the \$4.3 million dollar first-year budget. Since then, costs and calculations have been refined and Redlands’ portion was lowered. The GC was formally entered into by most producers in 2018 with the first budget year beginning fiscal year 2018/2019. However, staff turnover delayed the City’s participation.

Funding Mechanism

There are two components to the GC costs: Operations and Maintenance (O&M) and Water Recharge. The O&M portion essentially covers the costs currently paid to the San Bernardino Valley Water Conservation District (“Conservation District”) for basin recharge of pumped groundwater (“pump tax”). With the GC’s plan to include recharge of purchased water, rolling Conservation District’s charges into the pricing structure allowed for other groundwater extractors, not within the Conservation District’s service area, to pay to recharge a basin they extract from. Because the City has not yet joined the GC, the City continues to pay the Conservation District’s pump tax directly to the Conservation District as they have for the last ~20 years.

The other cost component is Water Recharge. It is understood this cost is for Basin replenishment, to fill the deficit left from years of exceeding the safe yield. When the safe yield was established, the 1959-1963 production of all water producers from the Basin (“Safe Yield Period”) was taken into account.

For more than a year, the GC group vetted through various cost sharing methods and refinements to determine which would be the most appropriate. Since the City of Redlands and City of San Bernardino were and continue to be the largest producers in the Basin, buy in by both agencies was important. Meetings progressed to a back and forth of proposed calculations. Eventually, the Equitable Allocation Model (EAM) was created, a method Valley District and Conservation District consider a “middle ground” method to splitting costs, was proposed to the group, and ultimately used.

Staff believed creation of a GC was a step in the right direction to ensuring groundwater sustainability, and desired to contribute to its efforts.

Figure 1
REDLANDS ANTICIPATED COSTS FOR O&M AND WATER RECHARGE INCURRED UNDER THE GC

	FY 2018/2019 through FY 2021/2022
<i>Water Recharge</i>	\$803,727
<i>Operations & Maintenance</i>	\$278,733
<i>Annual Total:</i>	\$1,082,460

Figure 2
CITY "PUMP TAX" PAID DIRECTLY TO CONSERVATION DISTRICT

	18/19	19/20	20/21	21/22
<i>"Pump Tax" (aka O&M)</i>	\$180,599	\$145,786	Total TBD by City's demand	Total TBD by City's demand

Points to Consider

Points to Consider:

- Participation, as the GC and its EAM are structured today, would create a unified effort to obtain a healthy, sustainable basin for current and future use. Additionally, it provides an established funding mechanism for agencies to share in the cost of recharging the basin into the future.
- Should surface water outages occur on the Santa Ana River or Mill Creek, entitlement water due to the City could be called upon through the GC, rather than Bear Valley Mutual Water Company paying to have imported water delivered as entitlement water to the City.
- On December 2, 2019, the Municipal Utilities and Public Works Commission moved to recommend to the City Council to enter into the agreement to join the GC.
- The City benefits from the GC's active recharge, through increased water levels in City wells located near recharge basins, without its participation in the GC.

Current Status

Presently, the City of Redlands is the largest producer who has yet to join the GC. Significant efforts have been made by both Valley District and Conservation District to move the City in the direction of joining, however, turnover of staff and questions regarding the EAM have delayed participation. Over the last few months staff has had opportunity to meet with GC members to ask technical questions and discuss differing perspectives. Staff has recently moved forward with a request to participate which is anticipated to be considered by City Council on March 2nd.