
Water Projects



Five Year Capital Improvement Program

	Page #	Expended as of 2/28/17	Remaining Budget	Adopted 2017/18
Water				
~ Funded Projects ~				
Groundwater Well - Evaluation and Rehabilitation	1	668,634	681,366	-
Meter Replacement - Advanced Metering Infrastructure Pilot	2	26,619	387,628	-
Palm Lakes Golf Course - Spreading Grounds Feasibility Study	3	563	49,437	-
Six Basins - Groundwater Optimization	4	71,079	373,921	-
Treatment - Chino Basin Groundwater VOC Plant	5	937,843	1,130,057	-
Water Main Replacement - FY 2017-18 Design	6	-	-	700,000
Water Mains - District 3	7	181,605	-	1,600,000
Water Mains - Ellen Place	8	7,247	-	300,000
Water Master Plan (2016)	9	27,388	885,112	-
Subtotals:		1,920,978	3,507,521	2,600,000
~ Unfunded Projects ~				
Advanced Metering Infrastructure - Construction	-	-	-	-
Pedley Surface Water Treatment Plant - Expansion/Optimization	-	-	-	-
Reservoir - 7-A Replacement	-	216,609	-	-
Reservoir - Rehabilitation/Replacement	-	-	-	-
Treatment - Rehabilitation/Replacement	-	-	-	-
Water Main Replacement - FY 2018-19 Construction	-	-	-	-
Water Main Replacement - FY 2018-19 Design	-	-	-	-
Water Main Replacement - FY 2019-20 Construction	-	-	-	-
Water Main Replacement - FY 2019-20 Design	-	-	-	-
Water Main Replacement - FY 2020-21 Construction	-	-	-	-
Water Main Replacement - FY 2020-21 Design	-	-	-	-
Water Main Replacement - FY 2021-22 Construction	-	-	-	-
Water Main Replacement - FY 2021-22 Design	-	-	-	-
Water Mains - Bonita Avenue and Towne Avenue	-	317,945	-	-
Water Mains - Columbia Avenue	-	29,064	-	-
Water Mains - District 4	-	81,632	-	-
Water Mains - James Place and Cloverdale Drive	-	27,399	-	-
Water Mains - Mission Boulevard	-	157,814	-	-
Water Mains - Seventh Street	-	74,231	-	-
Water Mains - Sixth Street	-	74,078	-	-
Subtotals:		978,772	-	-
Water Category Totals:		2,899,750	3,507,521	2,600,000

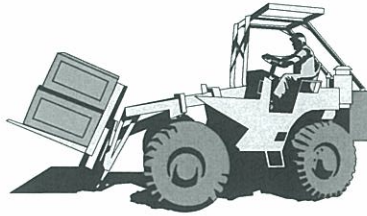
Five Year Capital Improvement Program

Plan 2018/19	Plan 2019/20	Plan 2020/21	Plan 2021	Beyond 2021	Total Project Cost	Impact to Future Operating	Project Number
-	-	-	-	-	1,350,000	(200,000)	95068
-	-	-	-	-	414,247	Minimal	83019
-	-	-	-	-	50,000	Minimal	95075
-	-	-	-	-	445,000	Minimal	95073
-	-	-	-	-	2,067,900	Minimal	83020
-	-	-	-	-	700,000	Minimal	95079
-	-	-	-	-	1,781,605	Minimal	95022
-	-	-	-	-	307,247	Minimal	95029
-	-	-	-	-	912,500	Minimal	95074
-	-	-	-	-	8,028,499		
4,000,000	4,000,000	4,000,000	-	-	12,000,000	Minimal	Unassigned
-	-	-	11,000,000	-	11,000,000	Minimal	95067
-	-	-	2,145,891	-	2,362,500	Minimal	95005
1,500,000	1,500,000	1,000,000	1,000,000	-	5,000,000	Minimal	Unassigned
1,500,000	1,500,000	1,000,000	1,000,000	-	5,000,000	Minimal	Unassigned
4,000,000	-	-	-	-	4,000,000	Minimal	Unassigned
1,000,000	-	-	-	-	1,000,000	Minimal	Unassigned
-	4,000,000	-	-	-	4,000,000	Minimal	Unassigned
-	1,000,000	-	-	-	1,000,000	Minimal	Unassigned
-	-	4,000,000	-	-	4,000,000	Minimal	Unassigned
-	-	1,000,000	-	-	1,000,000	Minimal	Unassigned
-	-	-	4,000,000	-	4,000,000	Minimal	Unassigned
-	-	-	1,000,000	-	1,000,000	Minimal	Unassigned
-	-	-	2,425,035	-	2,742,980	Minimal	93263
-	-	-	272,605	-	301,669	Minimal	95021
-	-	-	416,612	-	498,244	Minimal	95023
-	-	-	245,251	-	272,650	Minimal	95040
-	-	-	663,926	-	821,740	Minimal	95044
-	-	-	515,653	-	589,884	Minimal	95050
-	-	-	815,449	-	889,527	Minimal	95051
12,000,000	12,000,000	11,000,000	25,500,422	-	61,479,194		
12,000,000	12,000,000	11,000,000	25,500,422	-	69,507,693		

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Funded Projects



Capital Improvement Program Project Details

Project Title: **Groundwater Well - Evaluation and Rehabilitation**

Project Description: This project consists of video logging of ground water wells and visual inspection of the pumping equipment to identify potential problems with the casing, shafts, and pumping equipment of designated wells. The evaluation will be used to determine the physical condition of the wells including casing breaks, clogged perforations or other issues that would justify rehabilitation, redevelopment or replacement. Initial funds will cover evaluation and possible rehabilitation of Wells 7, 15, 26, 35, 37.

(Description changed FY16-17)

Project Number: 595-8125-XXXXX-95068
Department Water Resources
Project Manager Tim Hampton

Council District: -1 -2 -3 -4 -5 -6 Citywide Outside City limits

Project Statistics: Origination Yr: 2010-11 Yr Amended: 2016-17 Changes from Prior Year: No Yes

Financial Requirements:

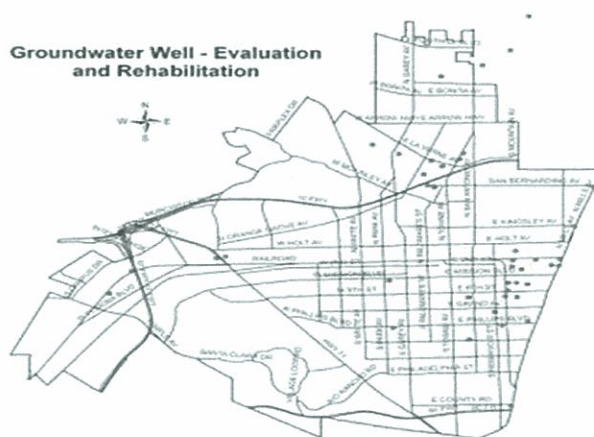
Funding Summary Total Proj Cost \$ **1,350,000** Total Funded \$ **1,350,000** Total Unfunded \$ **0**

Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ (200,000) Incr/Decr Charged to Fund # 571

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "AY" Bonds	N	668,634	153,636	-				
Series "BE/BF" Bonds (Formerly Series "AY")	N	-	527,730	-				
Total		668,634	681,366	-	-	-	-	-
Pending Unfunded								

Project Location



Capital Improvement Program Project Details

Project Title: **Meter Replacement - Advanced Metering Infrastructure Pilot**

Project Description: This project will include an Advance Metering Infrastructure (AMI) vendor analysis and an audit of the City's current water metering infrastructure (e.g. meter GPS location, type, condition assessment). An AMI system will provide the City and residents with accurate real-time water consumption data which is an important part of a comprehensive water conservation program.

(Description changed FY 16-17)

Project Number: 422-8125-XXXXX-83019
Department Water Resources
Project Manager Nichole Horton

Council District: -1 -2 -3 -4 -5 -6 Citywide Outside City limits

Project Statistics: Origination Yr: 2002-03 Yr Amended: 2016-17 Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **414,247** Total Funded \$ **414,247** Total Unfunded \$ **0**

Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ - Incr/Decr Charged to Fund # 571

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "AN" Bonds	N	2,196	-	-				
Series "AY" Bonds	N	24,423	-	-				
Series "BE/BF" Bonds (Formerly Series "AY")	N	-	387,628	-				
Total		26,619	387,628	-	-	-	-	-

Pending								
Unfunded								

Before - AMI

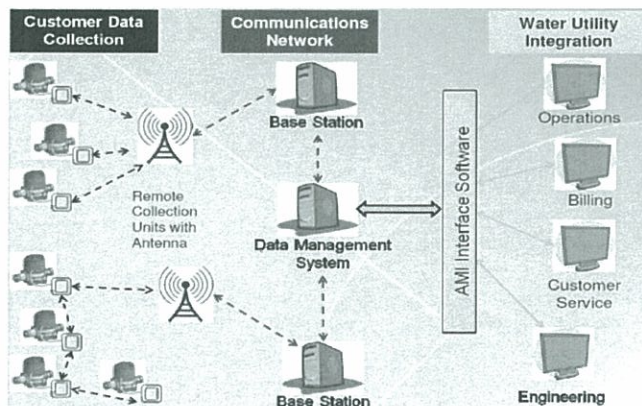


Meter reader obtains values bi-monthly.



Business Services collects and saves the data from meter reader's hand held radios. Billing is based on this data.

After - AMI



Capital Improvement Program Project Details

Project Title: **Palm Lakes Golf Course – Spreading Grounds Feasibility Study**

Project Description: This project consists of the collection and analysis of data to determine the feasibility of providing reclaimed and/or storm water runoff to meet the irrigation needs of the Palm Lakes Golf Course. When the SR-71 Freeway Widening Project takes place, there will be an opportunity to redirect storm water flows and introduce recycled water to the driving range located at the Golf Course. Water spread (recharged) will be credited to the City's Chino Basin Storage Accounts for future pumping rights.

Project Number:
595-8125-XXXXX-95075

Department
Water Resources

Project Manager
Tim Hampton

Council District: - 1 - 2 - 3 - 4 - 5 - 6 Citywide Outside City limits

Project Statistics: Origination Yr: 2013-14 Yr Amended: N/A Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **50,000** Total Funded \$ **50,000** Total Unfunded \$ **0**

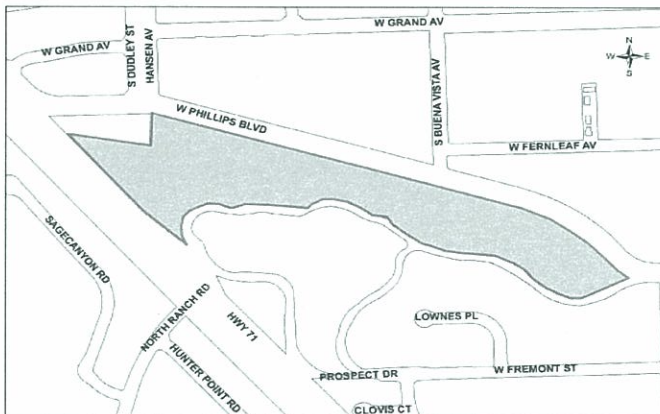
Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ - Incr/Decr Charged to Fund # 571

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "AY" Bonds	N	563	-	-				
Series "BE/BF" Bonds (Formerly Series "AY")	N	-	49,437	-				
Total		563	49,437	-	-	-	-	-

Pending
Unfunded

Project Location



Palm Lakes Golf Course

Project Area



Palm Lakes Golf Course

Capital Improvement Program Project Details

Project Title: **Six Basins - Groundwater Optimization**

Project Description: This project provides for the study and preliminary design for Volatile Organic Compound (VOC) and Nitrate removal in the Six Basins. The study will determine the optimal treatment strategy, treatment technology and implementation timeline. The treatment plant will be designed and operated to maximize groundwater production in Six Basins to meet EPA's proposed lower VOC Maximum Contaminant Levels (MCLs). The project will also explore conjunctive use options in Six Basins, including a new Three Valleys Municipal Water District (TVMWD) connection, additional groundwater production capacity and upgrade of Pedley Surface Water Treatment Plant. Facilities which will support conjunctive use options will be identified and constructed.

Project Number:
595-8125-XXXXX-95073

Department
Water Resources

Project Manager
Tim Hampton

(Description changed FY 14-15)

Council District: -1 -2 -3 -4 -5 -6 Citywide Outside City limits

Project Statistics: Origination Yr: **2013-14** Yr Amended: **2014-15** Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **445,000** Total Funded \$ **445,000** Total Unfunded \$ **0**

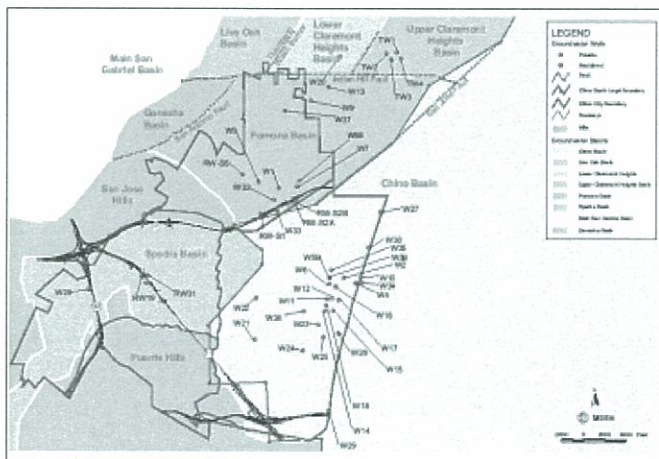
Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ _____ Incr/Decr Charged to Fund # **571**

Funding Allocation

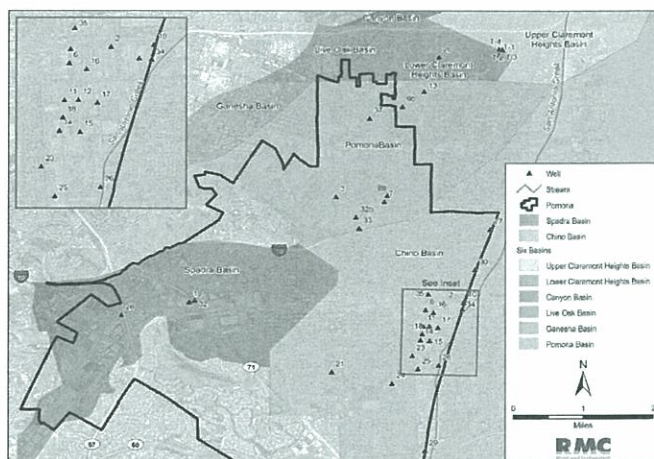
Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "AY" Bonds	N	71,079	16,305	-				
Series "BE/BF" Bonds (Formerly Series "AY")	N	-	357,616	-				
Total		71,079	373,921	-				

Pending Unfunded

Project Location



Project Area



Capital Improvement Program Project Details

Project Title: **Treatment - Chino Basin Groundwater VOC Plant**

Project Description: The project consists of the evaluation of the City's resource: groundwater rights, treatment and production facilities to develop a long term strategy to effectively optimize Chino Basin groundwater production. This project will determine the optimal treatment strategy, treatment technology and implementation timeline. The project will build upon the information and data gathered and the best available technology available. Facilities that will support conjunctive use options will be identified and constructed. Staff will seek outside funding from federal, state and local entities for newly identified facilities.

(Description changed FY 15-16)

Project Number: 422-8125-XXXXX-83020
Department Water Resources
Project Manager Tim Hampton

Council District: - 1 - 2 - 3 - 4 - 5 - 6 Citywide Outside City limits

Project Statistics: Origination Yr: 2006-07 Yr Amended: 2016-17 Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **2,067,900** Total Funded \$ **2,067,900** Total Unfunded \$ **0**

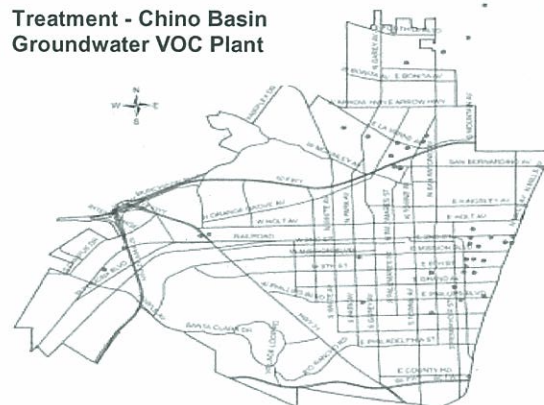
Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ - Incr/Decr Charged to Fund # 571

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "AN" Bonds	N	50,000	-	-				
Series "AY" Bonds	N	887,843	2,028	-				
Series "BE/BF" Bonds (Formerly Series "AY")	N	-	1,128,029	-				
Total		937,843	1,130,057	-	-	-	-	-

Pending Unfunded								
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Project Location



Capital Improvement Program Project Details

Project Title: **Water Main Replacement - FY 2017-18 Design**

Project Description: This project will provide for the design phase of water mainline segments which have been identified by the Water Master Plan as well as reports generated by the Water maintenance crews where they are dealing with leak prone areas, pressure problem areas, and/or water quality concern areas. Pipeline replacement will be established based on an operational priority established from the Master Plan as well as coordinated efforts in the scheduling of the City's pavement repair and replacement program. Construction will be funded and completed in the preceding fiscal year by the "Water Main Replacement - FY 2018-19 Construction " CIP project.

Project Number:
428-2590-XXXXX-95079

Department / Division
Water Resources

Project Manager
Tim Hampton

Council District: - 1 - 2 - 3 - 4 - 5 - 6 Citywide Outside City limits

Project Statistics: Origination Yr: 2016-17 Yr Amended: 2017-18 Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **700,000** Total Funded \$ **700,000** Total Unfunded \$ **0**

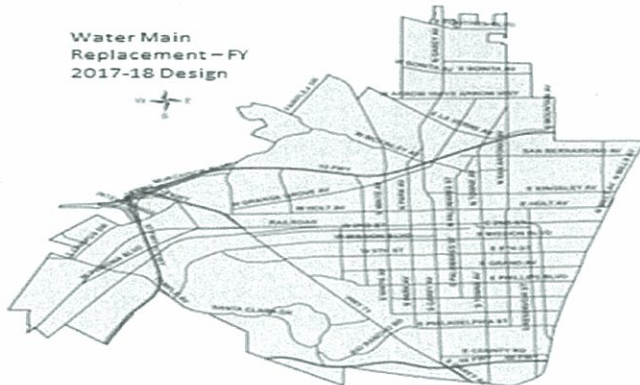
Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ _____ Incr/Decr Charged to Fund # 571

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Water Fund	N	-	-	700,000				
Total		-	-	700,000	-	-	-	-

Pending _____
Unfunded _____

Project Location



Capital Improvement Program Project Details

Project Title: **Water Mains - District 3**

Project Description: The 2005 Water Master Plan identified the need to replace 11,466 feet of 6" and 8" water mains in Titus Avenue, Virginia Avenue, Kathryn Avenue, Ann Arbor Avenue, Stanford Avenue, Notre Dame from Hunt Avenue to Olive Street, Olive Street to County Road and Philadelphia Street to County Road for fire flow improvement.

Project Number: 595-8125-XXXXX-95022
Department / Division Water Resources
Project Manager Tim Hampton

Council District: -1 -2 -3 -4 -5 -6 Citywide Outside City limits

Project Statistics: Origination Yr: 2007-08 Yr Amended: 2017-18 Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **1,781,605** Total Funded \$ **1,781,605** Total Unfunded \$ **0**

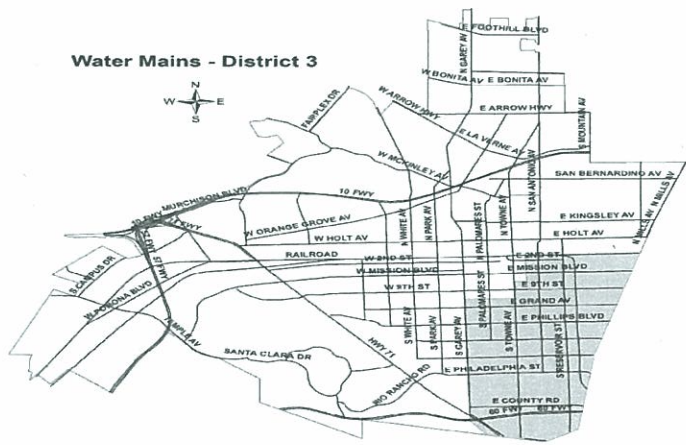
Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ _____ Incr/Decr Charged to Fund # **571**

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "AY" Bonds	N	181,605	-	-				
Water Fund	N	-	-	1,600,000				
Total		181,605	-	1,600,000	-	-	-	-

Pending Unfunded

Project Location



Capital Improvement Program Project Details

Project Title: **Water Mains - Ellen Place**

Project Description: The 2005 Water Master Plan identified the need to replace 478 feet of 6" water main in Ellen Place from Marquette Avenue to Reservoir Street.

Project Number: 595-8125-XXXXX-95029
Department / Division Water/Wastewater
Project Manager Tim Hampton

Council District: - 1 - 2 - 3 - 4 - 5 - 6 Citywide Outside City Limits

Project Statistics: Origination Yr: 2007-08 Yr Amended: 2017-18 Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **307,247** Total Funded \$ **307,247** Total Unfunded \$ **0**

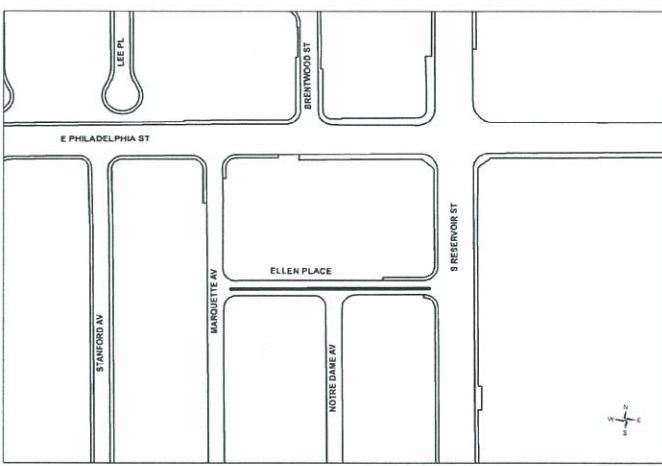
Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ _____ Incr/Decr Charged to Fund # 571

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "AY" Bonds	N	7,247	-	-				
Water Fund	N	-	-	300,000				
Total		7,247	-	300,000	-	-	-	-

Pending Unfunded								
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Project Location



Capital Improvement Program Project Details

Project Title: **Water Master Plan (2016)**

Project Description: This Project will provide the City with an evaluation of its existing water system, an evaluation of the future system requirements through 2035: development of water supply strategies to meet the future system needs, and an asset management strategy for production and treatment facilities to meet the appropriate level of service. The project will fully incorporate the City's existing GIS and SCADA systems with its future CMMS to create an interactive tool that will be used to reduce life cycle cost, prioritize maintenance activities and focus capital investments. The City's previous Water Master Plan was completed in 2005 and requires revision to reflect subsequent development and sewer improvements. Hardware and Software will be purchased for the integration of the City's geographic information, hydraulic modeling, meter reading and work order management platforms.
(Description changed FY 14-15)

Project Number: 595-8125-XXXXX-95074
Department Water Resources
Project Manager Tim Hampton

Council District: -1 -2 -3 -4 -5 -6 Citywide Outside City limits

Project Statistics: Origination Yr: 2013-14 Yr Amended: 2016-17 Changes from Prior Year: No Yes

Financial Requirements:

Funding Summary Total Proj Cost \$ **912,500** Total Funded \$ **912,500** Total Unfunded \$ **0**

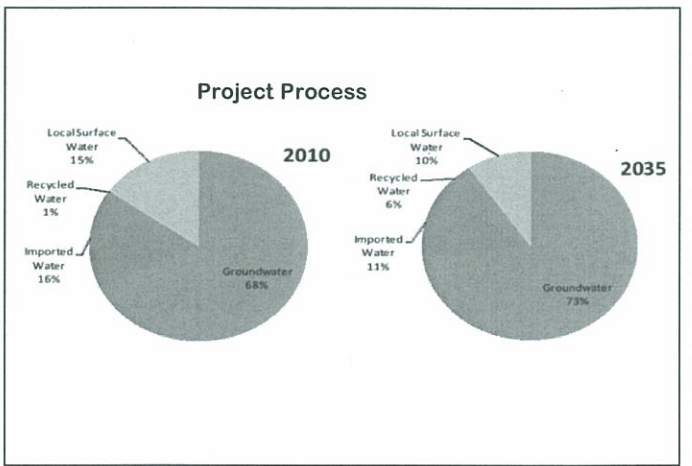
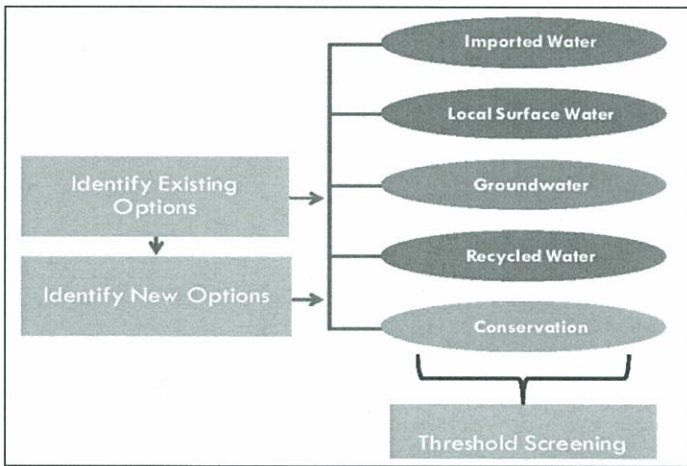
Impact on Future Operating Costs Minimal Increase Decrease Annual Amt \$ - Incr/Decr Charged to Fund # 571

Funding Allocation

Funding Source(s)	Restr Fund	YTD Costs as of 2/28/17	Remaining Budget	Fiscal 2017-18	Plan 2018-19	Plan 2019-20	Plan 2020-21	Plan Beyond 2021
Series "BC" Bonds (Formerly Series "AN")	N	-	50,233	-				
Series "AN" Bonds	N	10,302	-	-				
Series "AY" Bonds	N	17,086	149,956	-				
Series "BE/BF" Bonds (Formerly Series "AY")	N	-	684,923	-				
Total		27,388	885,112	-	-	-	-	-

Pending								
Unfunded								

Project Process



Partially Funded Projects





No Projects
In This Section



Unfunded Projects



CITY OF POMONA
Capital Improvement Program
Unfunded Water Projects

Council Request	Council District	Project Title	Project Description	Estimated Cost	Origination Year
	Citywide	Advanced Metering Infrastructure - Construction	Deployment of an Advanced Metering Infrastructure (AMI) based on the AMI assessment performed, which will provide the City and residents with accurate real-time water consumption data	12,000,000	FY 17-18
	Outside City Limits	Pedley Surface Water Treatment Plant - Expansion/Optimization	Replace the existing proprietary sand filter system with direct filtration facility	11,000,000	FY 07-08
	6	Reservoir - 7-A Replacement	Replace reservoir 7-A due to age and corrosion	2,362,500	FY 07-08
	Citywide	Reservoir – Rehabilitation/Replacement	Rehabilitation or replacement of reservoirs due to age and corrosion and reservoir upgrades including replacement of wood roofing at Reservoir 6A and seismic upgrades for Reservoirs 8A, 7C and 11, and equipment upgrades to modernize and increase functionality and efficiency of a reservoir	5,000,000	FY 17-18
	Citywide	Treatment – Rehabilitation/Replacement	Rehabilitation of the Anion Exchange Plant designed and built in the 1990’s; installation of new ground water treatment processes to treat Volatile Organic Compounds (VOC’s); replace and modernize various water treatment facilities creating efficiencies and reducing plant failures and shut-downs	5,000,000	FY 17-18
	Citywide	Water Main Replacement - FY 2018-19 Construction	Provide for the construction phase of water mainline segments designed as part of the FY 2017-18 Design project	4,000,000	FY 16-17
	Citywide	Water Main Replacement - FY 2018-19 Design	Provide for the Design phase of water mainline segments which have been identified by the Water Master Plan (2016) as well as problem areas reported by maintenance crews to be constructed by the Construction phase for FY 2019-20	1,000,000	FY 16-17
	Citywide	Water Main Replacement - FY 2019-20 Construction	Provide for the construction phase of water mainline segments designed as part of the FY 2018-19 Design project	4,000,000	FY 17-18
	Citywide	Water Main Replacement - FY 2019-20 Design	Provide for the Design phase of water mainline segments which have been identified by the Water Master Plan (2016) as well as problem areas reported by maintenance crews, with construction occurring in a subsequent year, FY 2020-21	1,000,000	FY 17-18
	Citywide	Water Main Replacement - FY 2020-21 Construction	Provide for the construction phase of water mainline segments designed as part of the FY 2019-20 Design project	4,000,000	FY 17-18

CITY OF POMONA
Capital Improvement Program
Unfunded Water Projects

Council Request	Council District	Project Title	Project Description	Estimated Cost	Origination Year
	Citywide	Water Main Replacement - FY 2020-21 Design	Provide for the Design phase of water mainline segments which have been identified by the Water Master Plan (2016) as well as problem areas reported by maintenance crews, with construction occurring in a subsequent year, FY 2021-22	1,000,000	FY 17-18
	Citywide	Water Main Replacement - FY 2021-22 Construction	Provide for the construction phase of water mainline segments designed as part of the FY 2020-21 Design project	4,000,000	FY 17-18
	Citywide	Water Main Replacement - FY 2021-22 Design	Provide for the Design phase of water mainline segments which have been identified by the Water Master Plan (2016) as well as problem areas reported by maintenance crews, with construction occurring in a subsequent year, FY 2022-23	1,000,000	FY 17-18
	6	Water Mains - Bonita Avenue and Towne Avenue	Replace water mains in Bonita Ave from Garey Ave to Towne Ave and in Towne Ave from Grove St to Bonita Ave	2,742,980	FY 00-01
	4	Water Mains - Columbia Avenue	Replace 1,553 linear feet of 6" pipeline in Columbia Avenue from Towne Avenue to San Antonio Avenue due to aging infrastructure and to improve pressure	301,669	FY 07-08
	4	Water Mains - District 4	Replace 2,448 linear feet of 6" water mains and 1,023 feet of 8" water mains in District 4	498,244	FY 07-08
	4	Water Mains - James Place and Cloverdale Drive	Replace 1,574 feet of 6" water main in James Place and Cloverdale Drive from Shirley Place to Elaine Street	272,650	FY 07-08
	2	Water Mains – Mission Boulevard	Replace 1,769 feet of 12" water main and 17 feet of 10" main in Mission Boulevard from Dudley Street to Buena Vista Avenue	821,740	FY 07-08
	2	Water Mains – Seventh Street	Replace 3,819 feet of 6" water main and 47 feet of 8" main in Seventh Street from Park Avenue to Towne Avenue	589,884	FY 07-08
	2	Water Mains - Sixth Street	Replace 1,313 feet of 6" water main in Sixth Street from White Avenue to Park Avenue and 2,556 feet of 6" water main from Garey Avenue to Towne Avenue	889,527	FY 07-08

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