DEPARTMENT OF FINANCE
Notice of a Special Meeting of the
FINANCE COMMITTEE
5:00 p.m. – Monday, July 10, 2017
Pasadena City Hall - Council Chambers Room S249

NOTICE IS HEREBY GIVEN that a special meeting of the Finance Committee will be held **Monday, July 10, 2017** at **5:00 p.m.** in the Council Chambers Room S249, at City of Pasadena City Hall, 100 N. Garfield Ave., Pasadena, California.

A. CALL TO ORDER

B. PUBLIC COMMENT

C. INFORMATION ONLY

1. Prepayment of Fiscal Year 2018 Unfunded Accrued Liability
2. Fiscal Year 2017 – 2021 CIP 3rd Quarter Monitoring Report

D. ADJOURN

Terry Tornek, Mayor
Finance Committee Chair

This notice, in its entirety, was posted at City Hall and distributed as indicated below by 5:30 p.m., Thursday, July 6, 2017.

Lori Eubanks, Recording Secretary
Finance Committee

Distribution:

City Council	Central Library	Pasadena Now
City Manager	Pasadena Independent	Pasadena Star News
City Attorney	Los Angeles Times	Pasadena Weekly
Public Information Officer	Pasadena Journal	La Opinion

DEPARTMENT OF FINANCE
July 10, 2017

TO: Finance Committee

FROM: Matthew E. Hawkesworth
Director of Finance

SUB JECT: Prepayment of Fiscal Year 2018 Unfunded Accrued Liability

This report is for information only.

The total amount paid each year to the California Public Employees Retirement System (CalPERS) is a combination of normal costs, the amount due for the current year, and the unfunded accrued liability (UAL), the amount owed for previously earned benefits that have not been fully funded. Prior to Fiscal Year (FY) 2018 these payments were made as a percentage of payroll. Beginning in FY 2018, the normal cost portion will continue to be calculated as a percentage of payroll; however, the UAL component of the annual cost is based on a fixed amount and will no longer be paid as a percentage of payroll. As such, the City knows in advance exactly how much the payment is for the fiscal year, and for FY 2018 the amount is $27.1 million. Additionally, the City has the ability to make a lump sum prepayment of the fiscal year's UAL amount prior to August 1, 2018 at a lesser amount than if the City made 12 monthly payments during the year.

When CalPERS assigns the annual UAL amount, it assumes that payments will be made on a monthly basis and therefore investment earnings on these funds will gradually increase during the year in an effort to achieve the current rate of return target of 7.5%. By prepaying the entire amount, CalPERS is able to invest all of the funds for 11 months of the fiscal year, therefore earning more return on the investment. This difference in return on investment is returned to the City by way of a discount of essentially half of the 7.5% forecasted return. This savings equates to approximately $1 million dollars for FY 2018. With the recent direction of the City Council to establish a Section 115 Trust to prefund future pension costs, staff recommends transferring this savings to the trust at year-end and returning for the appropriate authorization. This will provide a means to set aside additional funding without costing the City's funds any additional money.

Risk Analysis: The opportunity to prepay these funds comes at some long-term risk, but relatively no short-term risk to the City. The City's current pooled investment portfolio has a rate of return of slightly less than 1.5%. Forgoing the opportunity to earn investment income on the proportional share of the $27.1 million over the course of a year equates to a lost investment opportunity of approximately $220,400. This provides

for a net economic benefit of approximately $780,000 through the prepayment. The only potential short-term risk is if the overall investment market changed dramatically and the City's pooled investment portfolio was able to earn greater than 3.68% in the early part of FY 2018. An increase this large based on the types of investments the City can purchase is virtually impossible in the short duration of six months.

In terms of potential risk on the CalPERS side by sending them the annual payment at once, prefunding disregards the principle of dollar cost averaging, which results in contributing amounts over a period of time at different market levels. Prefunding at a single market level increases exposure to market risk. Long-term savings could be higher if the CalPERS actual rate of return is greater than 7.5% early in FY 2018. Prepayment could also cause a long-term loss if the CalPERS actual rate of return is very poor early in FY 2018. Since the City is required to make the payment towards UAL regardless, the slight risk has to do primarily with the first half of the fiscal year.

The tables below are taken directly from the annual CalPERS valuations of the Miscellaneous and Safety Plans and show the monthly amount and the annual prepayment amount.

CALPERS ACTUARIAL VALUATION - June 30, 2015
MISCELLANEOUS PLAN OF THE CITY OF PASADENA
CalPERS ID: 6556986602

Required Contributions

		Fiscal Year
Required Employer Contribution		**2017-18**
Employer Normal Cost Rate		**7.986%**
Plus Either		
1) Monthly Employer Dollar UAL Payment	**$**	**1,574,628**
Or		
2) Annual UAL Prepayment Option	**$**	**18,224,477**
Required PEPRA Member Contribution Rate		**6.25%**

*The total minimum required employer contribution is the **sum** of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll) **plus** the Employer Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly in dollars). Only the UAL portion of the employer contribution can be prepaid (which must be received in full no later than July 31). Plan Normal Cost contributions will be made as part of the payroll reporting process. If there is contractual cost sharing or other change, this amount will change. §20572 of the Public Employees' Retirement Law assesses interest at an annual rate of 10 percent if a contracting agency fails to remit the required contributions when due. For additional detail regarding the determination of the required contribution for PEPRA members, see Appendix D. Required member contributions for Classic members can be found in Appendix B.*

CALPERS ACTUARIAL VALUATION - June 30, 2015
SAFETY PLAN OF THE CITY OF PASADENA
CalPERS ID: 6556986602

Required Contributions

Required Employer Contribution		Fiscal Year 2017-18
Employer Normal Cost Rate		17.141%
Plus Either		
1) Monthly Employer Dollar UAL Payment	$	769,239
Or		
2) Annual UAL Prepayment Option	$	8,903,035
Required PEPRA Member Contribution Rate		11.25%

*The total minimum required employer contribution is the **sum** of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll) **plus** the Employer Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly in dollars). Only the UAL portion of the employer contribution can be prepaid (which must be received in full no later than July 31). Plan Normal Cost contributions will be made as part of the payroll reporting process. If there is contractual cost sharing or other change, this amount will change. §20572 of the Public Employees' Retirement Law assesses interest at an annual rate of 10 percent if a contracting agency fails to remit the required contributions when due. For additional detail regarding the determination of the required contribution for PEPRA members, see Appendix D. Required member contributions for Classic members can be found in Appendix B.*

Based on the tables above the monthly payments for both plans equal $28,126,404. The net prepayment of both plans is $27,127,512. This represents a gross savings of $998,892.

Additional Considerations

Prefunding the UAL is not an additional payment to the CalPERS Plans and will not necessarily accelerate or reduce the unfunded liability beyond the valuation assumptions. The UAL prepayment is simply an alternative to twelve monthly payments, which provides a discount rate of one-half year of interest at the assumed rate of return.

The City Treasurer's Office will manage the City's cash investments to provide for the payment. The City will continue to collect pension payments through the bi-weekly payroll process and will prioritize restoring the $27.1 million in the portfolio.

MEMORANDUM - CITY OF PASADENA
DEPARTMENT OF PUBLIC WORKS

DATE: July 10, 2017

TO: Finance Committee

FROM: Ara Maloyan, P.E., Director of Public Works BHW for

RE: Capital Improvement Program – FY 2017 Third Quarter Monitoring Report

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Attached for the Finance Committee's review is an update of all active Capital Improvement Program (CIP) projects through the 3rd quarter of fiscal year 2017. The Third Quarter Monitoring Report (QMR) includes 194 projects as summarized below:

Projects on Quarterly Monitoring Report	194
Project Status:	
Active Projects	165
Inactive Projects	29
Total Projects on QMR	194
Active Projects Phase:	
Design	49
Construction	31
Planning	11
Ongoing	63
Completed	11
Total Active Projects	165
Contracts Awarded for Design or Construction	23

In addition, the Capital Improvement Program FY 2017 Third Quarter Monitoring Report contains detailed information on each project including:

Project Stage
- Design, construction, planning, inactive, ongoing, or completed.

Color Shading
- Completed projects - shaded in purple;
- Projects delayed due to external factors (Caltrans, MTA, environmental review, etc.) - shaded in blue; and
- Projects delayed due to internal factors (staff shortages, other higher priority projects, etc.) - shaded in green.

If you have questions on any projects, please let me know and I will have staff available to respond.

ProTrak
City of Pasadena

Capital Improvement Program
FY 2017 Quarter Monitoring Report
Activity Through March 31, 2017

LEGEND

- Project Completed
- Project Delayed - External Factor
- Project Delayed - Internal Factor

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
Municipal Buildings and Facilities											
1	71902	Building Preventative Maintenance FY 2016 - 2020	5,284,444	2,284,444	1,043,835	1,240,609	344,651	1,000,000	As part of the FY 2017 work plan, work will be scheduled at the following buildings: Building Maintenance Building, Central Library, City Hall, City Yard, Fire Station #32, Hastings Library, Jackie Robinson Center, Robinson Park Center, San Rafael Library, Santa Catalina Library, and Victory Park Center. Work plan details are included under each building's project schedule.	Projects completed: Installation of two split systems at Fire Station 31; City Hall Interior Lighting Upgrade (LED Test Program developed for Public Works offices); and painting of multi-purpose rooms at Jackie Robinson Center. Projects in progress: 1) Installation of three evaporators and three condensers at Fire Station 34; 2) Installation of HVAC system at Fire Station 36; 3) Replacement of gutters at Hastings Library; and 4) Ongoing painting of high traffic areas at City Hall.	Ongoing
2	71907	Central Library Restoration - Phase II	300,000	210,000	25,072	184,928	25,072	210,000	In FY 2017 the following work will begin: cleaning, repair and waterproofing of exterior cast stone elements at the south facade in the main hall area; painting of the grand windows; and repair of the existing roof system at the patio and main entry of the Central Library. The remaining cleaning, repair and waterproofing of exterior cast stone elements at the south facade of the library will be completed when funds are identified.	Contract awarded for construction in 3rd quarter. Construction began in 4th quarter and will be completed in FY 2018.	Construction
3	71543	Expansion of Time-fill/Fast-fill Refueling System at City Yards - Phase II	1,000,000	1,000,000	750,652	249,348	383,420	900,000	Phase II will be completed in FY 2017.	Project completed November 7, 2016.	Completed
4	71809	Pasadena Police Department Indoor Firing Range	500,000	500,000	371,265	128,735	369,013	500,000	Immediate abatement efforts to the firing range facility will begin and be completed in FY 2017. The inital long term design will begin in FY 2017 and expected to be completed in FY 2018.	Phase I interior abatement efforts and repairs completed in December 2016. Roof and HVAC roof unit replacement completed in 3rd quarter. Phase II upgrades to existing air filtration system and bullet trap will be completed in FY 2018. Long term design eliminated due to inadequate funding for construction.	Construction
5	71160	Hale Building Interior Remodel - Design Phase	250,000	250,000	5,151	244,849	5,151	250,000	Design work will begin in FY 2017.	Design consultant selected in 3rd quarter.	Ongoing

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
Streets and Streetscapes											
1	73907	Resurfacing and Slurry Seal FY 2016 / 2017	1,920,713	1,920,713	759,853	1,160,860	578,449	1,700,000	In FY 2017, construction of 2.5 miles of resurfacing and 7.5 miles of slurry sealing will be completed. Curb ramps will be installed as needed.	Resurfacing: contract awarded for construction in 3rd quarter and began April 28. Slurry Seal: construction completed in 1st quarter.	Construction
2	73920	Resurfacing and Slurry Seal FY 2017 / 2018	1,799,500	1,799,500	49,394	1,750,106	49,394	500,000	Design will begin in FY 2017 for the construction of two miles of resurfacing and seven miles of slurry sealing.	Resurfacing: design continued in 3rd quarter. Project scheduled to advertise and construct in FY 2018. Slurry Seal: design continued in 3rd quarter; advertised in 4th quarter.	Design
3	73908	Preventive Maintenance - Curbs and Gutters FY 2016 / 2017	601,362	601,362	511,021	90,341	103,469	130,000	This project will be completed in FY 2017.	Miscellaneous Concrete Repairs 2016 Phase II completed 1st quarter.	Completed
4	73909	Pedestrian Accessibility FY 2016 / 2017	350,000	350,000	159,476	190,524	38,744	280,000	Construction will be completed in FY 2017.	Construction of Flat Streets project began March 6. Miscellaneous Concrete Repairs contract awarded for construction and anticipated to begin construction July 2017. In an effort to achieve economies of scale, this project was delayed and combined with project 73921 Preventive Maintenance - Curbs and Gutters.	Construction
5	73921	Preventive Maintenance - Curbs and Gutters FY 2017 / 2018	300,000	300,000	94,102	205,898	94,102	300,000	The project will begin in FY 2017 and will be completed in FY 2018.	Construction of Flat Streets project began March 6. Miscellaneous Concrete Repairs contract awarded for construction and anticipated to begin construction July 2017.	Construction
7	73124	La Loma Bridge - Rehabilitation	16,053,994	16,053,994	12,747,085	3,306,909	3,560,549	8,100,000	Construction will be completed in FY 2017.	Construction continued in 3rd quarter. Project completion anticipated in June. Grand opening ceremony scheduled for June 24, 2017.	Construction
8	73913	Citywide Sidewalk Improvements	17,000,000	3,030,000	1,557,397	1,472,603	941,990	900,000	This project will continue in FY 2017. This is a continuing program designed to repair all identified sidewalks. The number of locations completed each year will vary based on available funding.	Construction continued in 3rd quarter. Project completion anticipated in September 2017.	Construction

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
9	73910	Drainage Improvements on Streets with Flat Grades FY 2016 - 2020	1,050,000	450,000	315,136	134,864	184,836	200,000	Construction of improvements on flat streets will be completed in FY 2017.	Construction began in 3rd quarter. Project completion anticipated in July 2017.	Construction
10	73902	Preventive Maintenance - Bridges FY 2011 - 2017	1,750,553	1,750,553	659,190	1,091,363	15,228	140,000	Construction by LA County will begin in FY 2017 for repairs to the following bridges: Colorado Boulevard over Arroyo Boulevard and Arroyo Seco; Prospect Boulevard over Seco Street; Walnut Street over Metro Gold Line; Sierra Madre Boulevard (westbound) over Eaton Wash; Sierra Madre Boulevard (eastbound) over Eaton Wash; New York Drive (eastbound) over Eaton Wash; New York Drive (westbound) over Eaton Wash; Oak Grove Drive over Arroyo Seco; Fair Oaks Avenue over Metro Gold Line; and Oak Grove Drive over Flint Canyon Wash.	Project advertised for bids in 3rd quarter by LA County.	Design
11	73911	Installation/Replacement of Guard Rails FY 2016 - 2020	190,000	85,000	9,902	75,098	9,763	35,000	In FY 2017, construction will be completed on Parkview Avenue and Inverness Drive. Design will be completed on Edgehill Place and other locations as needed.	Construction on Parkview Avenue and Inverness Drive completed 1st quarter. Edgehill Place guardrail warrants under review by Department of Transportation. Project scheduled to advertise in 1st quarter FY 2018, pending result.	Planning
12	73923	Preventive Maintenance - Bridges FY 2017 - 2020	200,000	50,000	0	50,000	0	50,000	This project will begin in FY 2017.	No reportable activity in 3rd quarter.	No Activity This Quarter
13	73323	Holly Street Bridge - Seismic Retrofit	9,775,000	1,678,000	223,891	1,454,109	117,047	500,000	Additional environmental and design work began in FY 2016 and will continue through FY 2018.	Environmental and design consultant selected in 3rd quarter. Contract awarded for Environmental and Preliminary Engineering on April 24.	Design
14	73128	Walnut Street Improvements - Foothill Blvd to Altadena Drive, and Daisy Ave to Sunnyslope Ave - Phase IV	1,180,580	1,180,580	1,154,556	26,024	152,817	179,542	This project will be completed in FY 2017.	Project completed October 11, 2016.	Completed
15	73912	Old Pasadena Tree Grates and Frames	240,000	80,000	22,268	57,732	1,017	40,000	In FY 2017, approximately 15 missing grates will be replaced and 15 broken grates will be repaired throughout Old Pasadena.	Installation of 10 tree grates completed 3rd quarter. Staff working with OPMD on identifying additional locations to prepare package for advertising in 4th quarter.	Ongoing

Capital Improvement Program
FY 2017 Quarter Monitoring Report
Activity Through March 31, 2017

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
Street Lighting											
1	74413	In-Fill Street Lighting and Repair and/or Replacement of Existing Street Lighting Systems FY 2016 - 2020	248,386	143,386	24,566	118,820	32,589	75,000	This is a continuing program. Projects will be scheduled by City staff as requests are received for enhanced lighting and as street light components in need of repair and/or replacement are identified.	City crews installed one new street light in 3rd quarter.	Ongoing
2	74414	Street Lighting - Various Development Projects	625,107	625,107	98,137	526,970	54,766	477,352	In FY 2017, approximately 31 street lights will be installed and 10 additional street lights will be designed.	Phase I: construction continued in 3rd quarter. Phase II: design continued in 3rd quarter.	Construction
Street Lighting and Electric Undergrounding											
1	3210	Electric System Undergrounding Outside Established Undergrounding Districts - FY 2017 - 2021	500,000	100,000	44,800	55,200	44,800	100,000	This is an ongoing project which is based on small undergrounding projects that are not part of an established underground district.	Reimbursements processed for nine homeowners who opted to complete utility undergrounding at their own expense. Five additional refund requests are in process.	Ongoing
2	3215	La Loma Road - Electric System Undergrounding, San Rafael Avenue to Arroyo Boulevard	1,000,000	1,000,000	10,930	989,070	10,930	500,000	In FY 2017, upon completion of the La Loma Bridge Rehabilitation project, conduit will be installed on the bridge and at both ends of the bridge with Arroyo Blvd on the east end and Rockwood Road on the west end. This work will be completed by the Water and Power Department.	Contract awarded for construction in 3rd quarter. Installation of conduit and underground cable began in 3rd quarter with project completion anticipated in 4th quarter.	Construction
3	3211	Hill Avenue - Electrical System Undergrounding, Villa Street to North City Limits	4,100,000	4,100,000	1,379,400	2,720,600	1,379,400	2,500,000	Design of street lighting was completed in FY 2016 and construction of street lighting will be completed in FY 2017 by the Department of Public Works. Electrical construction on joint trenches will begin, and transformers, connectors, overhead wire and pole removal will be completed in FY 2017 by the Water and Power Department. The resurfacing will be completed in FY 2018 by the Department of Public Works.	Completed removal of high voltage overhead wires on Hill Avenue in 3rd quarter. Prepared specifications and RFP for advertising pole removal in the 4th quarter. External delay due to AT&T and Charter failing to adhere to construction schedules. Installation of street lighting continued in 3rd quarter	Construction

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
4	3212	Alpine Street - Electrical System Undergrounding, Marengo Avenue to El Molino Avenue	2,277,000	1,700,000	47,916	1,652,084	47,916	1,700,000	Electrical construction began in FY 2016 and will continue in FY 2017. Electrical construction on joint trenches and connects, and overhead wire and pole removal will be completed in FY 2018 by the Water and Power Department. Resurfacing will be completed in FY 2018 by the Department of Public Works.	Contract awarded for construction of private property conversions in 3rd quarter. Work anticpated to begin in 4th quarter.	Construction
5	3213	Mountain Street - Electrical System Undergrounding, Lake Avenue to Hill Avenue	8,325,000	4,800,000	0	4,800,000	0	4,100,000	Design of street lighting will begin in FY 2017 and construction of street lighting will be completed in FY 2020 by the Department of Public Works. Electrical construction on joint trenches, transformers and connects will begin in FY 2018. Overhead poles and electrical wires will be removed and construction will be completed in FY 2020 by the Water and Power Department. The resurfacing will be completed in FY 2020 by the Department of Public Works.	City Council directed PWP to solicit community comment on the continuation of the Underground Utility Program. Project on hold pending direction.	No Activity This Quarter
Transportation											
1	75075	Pasadena Bicycle Program FY 2016 - 2020	555,000	255,000	170,330	84,670	152,140	150,000	The Bicycle Transportation Plan will continue to be implemented in FY 2017 with the implementation of the Pasadena Neighborhood Roseways Network.	Installation of the Roseways Bike Route signs continued in 3rd quarter and a new Bike Map was developed and printed.	Ongoing
2	75047	Pedestrian Safety Enhancements at Signalized Intersections	455,300	455,300	204,271	251,029	8,125	75,750	Construction will begin in FY 2017.	Project under environmental review with Caltrans and approval anticipated by November 2017. Construction authorization to be acquired in 3rd quarter FY 2018.	Design
3	75083	Pedestrian Crossing Enhancements Program	630,000	242,500	139,517	102,983	66,253	75,000	Enhanced treatments will be designed and constructed in FY 2017.	Construction began on Marengo Avenue at Fillmore Street in 3rd quarter.	Construction
6	75082	Thermoplastic Pavement Marking - Pilot Program	200,000	73,000	29,183	43,817	24,528	50,000	This project will continue in FY 2017.	Uncontrolled marked crosswalks have been prioritized and Public Works crews are repainting crosswalks with new material. Work will continue on an ongoing basis.	Ongoing

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
7	75052	Complete Streets Project - Cordova Street from Hill Ave to Arroyo Parkway	2,726,613	2,626,613	25,810	2,600,803	14,715	800,000	This project will continue in FY 2017.	Design continued in 3rd quarter. Project delayed pending funding authorization. Awaiting update of Federal Transportation Improvement Program (FTIP) by California Transportation Commission in July 2017.	Design
8	75076	Citywide Complete Streets Program FY 2016 - 2020	750,000	221,826	87,498	134,328	27,833	50,000	Construction at Sunnyslope Avenue will begin when funds are identified.	Design of Sunnyslope Avenue completed. Various neighborhood traffic improvements, including traffic calming and parking programs continued.	Design
9	75074	Complete Streets Project - Lida Street between Knollwood Dr. and Lancashire Pl.	400,000	100,000	14,539	85,461	481	150,000	Design will be completed in FY 2017.	Design continued in 3rd quarter.	Design
10	75077	Complete Streets Project - Ave 64 from Colorado Blvd to South City Limits	552,000	200,000	16,393	183,607	15,724	100,000	Design will begin in FY 2017.	Design continued in 3rd quarter.	Design
11	75087	Complete Streets Project - Union Street Cycle Track - Phase I	6,500,000	934,477	1,727	932,750	1,727	300,000	Design will begin in FY 2017.	Environmental work and public outreach continued in 3rd quarter. RFP advertised. Proposals received are under review.	Design
12	75605	Arterials Speed Management Program	767,000	267,000	249,332	17,668	28,816	30,000	Additional arterial speed management strategies will be implemented in FY 2017.	Speed feedback sign installed on Colorado Boulevard at Terrace Drive in 3rd quarter.	Construction
13	75088	Complete Streets Project - El Molino Avenue and Alpine Street Intersection Configuration	54,000	54,000	18,787	35,214	18,787	54,000	This project will begin in FY 2017.	Design will be completed in FY 2018. Improvements will be constructed subsequent to Alpine Street Electric System Undergrounding project in FY 2019.	No Activity This Quarter
14	75048	Left Turn Signal Phasing at Colorado Blvd. and Orange Grove Blvd. and at Orange Grove Blvd. and Holly St.	577,520	577,520	114,611	462,909	22,793	450,000	Construction will begin in FY 2017.	Construction began in 3rd quarter. Project completion anticipated in October 2017.	Construction
15	75701	Intelligent Transportation System (ITS) Project - Phase I	4,198,961	4,198,961	2,510,667	1,688,294	47,868	1,905,297	Project currently on hold pending negotiations with Caltrans on separating project into distinct and manageable components.	Per Caltrans, project separated into distinct components based on type of work. Design of Traffic Management Center improvements and Parking Guidance System improvements began in 3rd quarter.	Design
17	75043	Detection of Bicycles at Intersections Controlled by Traffic Signals	2,569,505	2,569,505	658,820	1,910,685	145,250	2,000,000	Construction will be completed in FY 2017.	Construction continued in 3rd quarter. Project completion anticipated in July 2017.	Construction

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
18	75506	Gold Line Phase I - Project Enhancements	6,686,908	5,711,908	3,489,721	2,222,187	776,206	1,300,000	In FY 2017, improvements of Metro right-of-way between Green and Holly Street (#2) will be completed. Construction will begin on the Light Rail Train (LRT) Tracking and Network System.	Construction on Metro right-of-way completed in 2nd quarter. Contract execution in progress for design of adaptive traffic control component of the Light Rail Tracking and Network System.	Design
19	75079	Mobility Corridor Improvements FY 2016 - 2020	274,000	124,000	80,417	43,583	16,329	60,000	Design will begin on enhancements to the Lake Avenue/Orange Grove Boulevard intersection in FY 2017. Additional planning for other projects as part of this CIP will also continue as mobility corridor improvements are identified.	Design and ongoing coordination with Caltrans for implementation of the I-210 Integrated Corridor Management Program continued in 3rd quarter.	Design
20	75044	Pasadena Wayfinding System	2,287,785	2,287,785	1,621,227	666,558	336,793	600,000	Construction will be completed in FY 2017.	Construction continued in 3rd quarter. Project completion anticipated in June 2017.	Construction
21	75709	Traffic Signal Indication Safety Improvements - Phase II	770,000	770,000	78,852	691,148	72,259	100,000	This project will continue in FY 2017.	Design continued in 3rd quarter. Staff solicited bids to procure traffic signal indications.	Design
22	75080	Old Pasadena Traffic Improvement - FY 2016 - 2020	150,000	60,000	0	60,000	0	40,000	In FY 2017, a pilot loading zone framework will be implemented in Old Pasadena. In addition, the Active No Left Turn at Colorado Boulevard and Fair Oaks Avenue will be replaced.	Coordination with OPMD and businesses continued for alleyway parking restriction signs and implementation of a "keep clear" zone in Kendall Alley.	Ongoing
23	75089	Safety Enhancements at Lincoln Ave/Forest Ave and Lincoln Ave/Mountain St	1,275,000	75,000	0	75,000	0	75,000	Design will begin in FY 2017.	Preliminary design continued in 3rd quarter. Project on award list for Highway Safety Improvement Program funding for construction. Pending funding authorization for design.	Design
24	75090	Left Turn Signal Phasing at Fair Oaks Ave and Colorado Blvd	160,000	160,000	0	160,000	0	160,000	Design will begin in FY 2017.	Planning continued in 3rd quarter. Design phase will proceed pending environmental approval. Anticipated to be approved by November 2017.	Planning
25	75084	Mobility Corridors - Rose Bowl Access Systems	1,623,000	1,498,000	12,242	1,485,758	12,242	200,000	Design will begin in FY 2017.	Funding agreement with Metro executed in 3rd quarter. Preliminary design began.	Design

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
26	75078	Intelligent Transportation System (ITS) Equipment Upgrades/Replacement - FY 2016 - 2020	375,000	75,000	36,397	38,603	3,396	50,000	In FY 2017, additional CCTV cameras, VDS equipment, and fiber optic communication equipment will be installed.	Ongoing maintenance of video detection cameras and fiber optic communication continued in 3rd quarter including installation of fiber optic communication on Foothill Boulevard and San Gabriel Boulevard. In addtion, five intersections were converted from twisted pair copper communication to fiber optic communication.	Ongoing
27	75915	Federal and State Traffic Sign Compliance Program	175,000	175,000	113,515	61,485	4,139	35,000	In FY 2017, work will continue on updating miscellaneous regulatory and warning signs in compliance with the California MUTCD.	Additional regulatory signs purchased in 3rd quarter. Tranportation Department submitted work orders for City crews to install signage upgrades. Installation began in 4th quarter and will be completed in FY 2018.	Ongoing
28	75602	Implementation of Citywide Transportation Performance Monitoring Network	3,132,428	386,928	333,484	53,444	32,000	50,000	This project will continue in FY 2017 with an emphasis on data distribution and integrated corridor management.	Implementation of the Live Traffic Data (LTD) performance monitoring network began in 3rd quarter.	Construction
29	75911	Intelligent Transportation System (ITS) Master Plan Implementation Phase III	5,417,565	5,417,565	440,140	4,977,425	248,363	2,000,000	This project will continue in FY 2017.	Design continued in 3rd quarter.	Design
37	75086	Purchase of Dial-A-Ride Vehicles	1,147,085	642,380	0	642,380	0	587,085	In FY 2017, seven replacement and two expansion vehicles will be purchased. The remaining four vehicles will be purchased when funds are identified.	On February 9, 2017, the City accepted two minivans following pre and post delivery inspections. Each minivan was placed into revenue service and added capacity to the Dial-A-Ride fleet in April, 2017. Seven replacement vehicles delivered in May and will be placed into service pending inspection and approval by Metro.	Ongoing
38	75085	Purchase of 8 Replacement Transit Vehicles and 4 Expansion Fixed-Route Transit Vehicles	6,364,753	4,077,647	0	4,077,647	0	4,077,647	In FY 2017, four replacement and four expansion vehicles will be purchased. Four additional replacement vehicles will be purchased when funds are identified.	Grant application for two transit vehicles submitted to Metro in April and approved in June. In addition, four of the eight replacement vehicles were purchased and delivered in May 2017.	Ongoing

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39	75707	Construction of Transit Operations Maintenance Facility	15,000,000	2,185,000	405,325	1,779,675	304,110	1,600,000	In FY 2017, improvements will continue to be made to the Walnut portion of the site to accommodate storage for up to 10 buses, including paving and lighting. In addition, work will include preparation of site design and environmental clearance for the proposed transit maintenance facility.	Design continued in 3rd quarter. Preliminary Plan Review (PPR) submitted to Design Commission and approved on March 14, 2017.	Design
40	75900	Bus Stop Improvement Program	623,500	323,500	246,907	76,593	8,556	50,000	This is an ongoing annual project. Work will be completed on an as-needed basis.	Staff continued assessing ADA needs at transit stops.	Ongoing
Parking											
1	72151	DeLacey, Schoolhouse, and Marriott Garage Improvements - FY 2015 - FY 2019	1,408,000	889,000	194,426	694,574	10,247	250,000	Work for FY 2017 includes, but is not limited to: floor drain maintenance; fire extinguisher replacement; light fixture replacement; stair repairs; painting; ventilation maintenance; elevator repairs; and unfinished work from prior years. In addition, ADA improvements will also begin.	Contract awarded for construction on January 9, 2017. Construction began in 4th quarter and will be completed in FY 2018. Plans completed for Parking Structure ADA Improvements project.	Construction
2	72152	Paseo, Marengo, Los Robles Parking Garage Improvements - FY 2015 - FY 2019	6,737,000	2,204,000	203,434	2,000,566	20,535	250,000	Work for FY 2017 includes, but is not limited to: expansion joint repair; floor drain maintenance; ventilation repairs and upgrades; fire extinguisher replacement; light fixture replacement; stair repairs; door replacement; signage repair; facade repairs; and unfinished work from prior years. In addition, ADA improvements will also begin.	Contract awarded for construction on January 9, 2017. Construction began in 4th quarter and will be completed in FY 2018. Plans completed for Parking Structure ADA Improvements project.	Construction
3	72153	Holly Street Parking Garage Improvements FY 2015 - FY 2019	1,549,000	1,026,000	93,218	932,782	10,832	125,000	Work for FY 2017 includes, but is not limited to: floor drain maintenance; fire extinguisher replacement; elevator repairs; stair repairs; and unfinished work from prior years. In addition, ADA improvements will also begin.	Contract awarded for construction on January 9, 2017. Construction began in 4th quarter and will be completed in FY 2018. Plans completed for Parking Structure ADA Improvements project.	Construction

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4	72154	Del Mar Station Garage Improvements - FY 2015 - FY 2019	1,079,000	528,000	54,390	473,610	7,451	125,000	Work for FY 2017 includes, but is not limited to: ventilation repairs and upgrades; stair repairs; wall repairs; painting; and unfinished work from prior years. In addition, ADA improvements will also begin.	Contract awarded for construction on January 9, 2017. Construction began in 4th quarter and will be completed in FY 2018. Plans completed for Parking Structure ADA Improvements project.	Construction
5	72155	Plaza Las Fuentes Parking Garage Improvements FY 2015 - FY 2019	942,000	500,000	41,706	458,294	7,017	250,000	Work for FY 2017 includes, but is not limited to: floor drain maintenance; ventilation repairs and upgrades; light fixture replacement; stair repairs; door replacement; painting; and unfinished work from prior years. In addition, ADA improvements will also begin.	Contract awarded for construction on January 9, 2017. Construction began in 4th quarter and will be completed in FY 2018. Plans completed for Parking Structure ADA Improvements project.	Construction
Sewers and Storm Drains											
1	76901	Preventive Maintenance - Sewer System FY 2011 - 2016	3,850,954	3,850,954	3,017,003	833,951	458,679	1,500,000	Construction will be completed in FY 2017.	Project completed in 1st quarter.	Completed
2	76911	Preventive Maintenance - Sewer System FY 2017 - 2020	2,000,000	200,000	5,582	194,418	5,582	200,000	In FY 2017, repair or rehabilitation of sewer system will be done as identified by yearly sewer inspection and evaluation.	Design continued in 3rd quarter. Project scheduled to advertise in 4th quarter.	Design
3	76907	Preventive Maintenance - Corrugated Metal Pipe Storm Drains FY 2016 - 2020	1,300,000	700,000	270,321	429,679	218,645	600,000	In FY 2017, repair or rehabilitation of failed pipes will continue based on the evaluation of the video inspection.	Phase II design completed and advertised in 3rd quarter. Contract awarded for construction on April 24.	Design
4	76908	Storm Drain Structure Repairs and Improvements FY 2016 - 2020	660,000	390,000	150,167	239,833	61,054	230,000	In FY 2017, design work will be completed and construction will start on the retaining wall to protect the existing catch basin at 1300 Glen Oaks Boulevard. Work will include other locations as needed.	Design continued in 3rd quarter. Project scheduled to advertise in 4th quarter.	Design
5	76290	NPDES - Storm Water Pollution Prevention Program	3,720,000	3,170,000	2,655,827	514,173	207,262	750,000	In FY 2017, work will be done as needed to meet the conditions of the NPDES permit.	Participation in Coordinated Integrated Monitoring Program along the upper LA and Rio Hondo Rivers continued. Staff continued work with consultant on MS4 permit compliance and implementation of the Enhanced Watershed Management Plan.	Design

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6	76909	Sewer Capacity Upgrades - FY 2016 - 2020	2,000,000	1,100,000	328,780	771,220	310,282	1,000,000	In FY 2017, upgrades will be completed on Columbia Street from Pasadena Avenue to Columbia Place and other locations as funding allows.	Sewer Capacity Upgrades 2016: construction completed in 1st quarter. Sewer Capacity Upgrades 2017: project re-scoped as a relining project rather than re-sizing pipe to achieve capacity upgrade. Project scheduled to advertise in 4th quarter.	Design
7	76910	Busch Garden Sewer Pump Station	290,000	40,000	18,145	21,855	18,145	35,000	Odor control work will be completed in FY 2017. The remaining improvements will be completed when funds become available.	Project completed in 1st quarter.	Completed
10	76538	Rehabilitation of Arroyo Parkway Storm Drain from Holly Street to South City Limit	1,446,000	1,446,000	1,233,652	212,348	275,676	305,000	Construction of the final phase of this project (Holly Street to Colorado Boulevard) will be completed in FY 2017.	Project completed in 1st quarter.	Completed
11	76531	Sewer Pump Station Rehabilitation at 1865 N. Rosemont Avenue	190,000	190,000	13,176	176,824	13,176	190,000	The remaining work which includes the installation of the generator will be completed in FY 2017.	Request for quotes advertised in 3rd quarter. Requisition to procure generator in progress.	Construction
Rose Bowl Improvements											
1	84004	Rose Bowl Renovation Project	182,700,000	182,700,000	N/A	N/A	N/A	200,000	In FY 2017, work will continue on the reconstruction of the three remaining entrance gate structures (B, D, and G) along with the necessary grading and paving to accommodate new locations. In addition, the project will relocate an existing fire hydrant and complete the transfer of the original 5kV electrical loads onto the new 17kV service. The remaining 5kV electrical equipment will be decommissioned and removed from the site.	No reportable activity in 3rd quarter.	No Activity This Quarter
2		Implementation of the Master Plan for the Brookside Golf Course - Fairway Improvements	600,000	600,000	309,882	290,118	309,882	300,000	In FY 2017, Brookside fairway improvements will be done such as tree maintenance and cart barn yard repairs.	Replacement of golf cart paths completed in 3rd quarter. Long term stategic planning continued.	Ongoing

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3		Rose Bowl - Preventative Maintenance FY 2017 - 2021	3,937,251	720,000	424,149	295,851	424,149	720,000	In FY 2017, the following work will be done: roof repairs; arroyo stone wall repair; irrigation/pumping repair; Bradley restroom replacement; concrete asphalt repair; and other stadium maintenance work as needed.	Projects completed: tree trimming; stadium seating parts replacement; HVAC repairs; irrigation repairs; roofing repairs; neon sign repairs; arroyo stone repairs; and electrical repairs. Projects in design: concourse slurry; pavilion painting, restroom partitions; and parking lot crack seal.	Ongoing
4		Brookside Clubhouse Upgrades - FY 2017	200,000	200,000	90,081	109,919	90,081	200,000	In FY 2017, the following work will continue: various clubhouse upgrades; furniture, fixtures and equipment replacement; and consultant work for future long-term clubhouse improvements.	Contract awarded for construction in 3rd quarter. Various clubhouse upgrades including furniture and fixtures were completed.	Ongoing
5		Rose Bowl Major Improvement Projects - FY 2017	1,024,000	1,024,000	484,787	539,213	484,787	1,240,000	In FY 2017, the following work will be done: parking scanning system improvements; parking lot slurry; row 29 seat removal; stadium gate speaker improvements; replaced field end zone padding; maintenance storage yard improvements; State mandate storm water requirements; equipment wash area improvements; concession stands repairs; Pavilion elevator call switch installment; Pavilion electrical and food and beverage upgrades; will-call booth landing improvements; 1922 locker room improvements; improvements to parkway entrance and other improvements as needed.	Projects completed: food & beverage upgrades; parking lot upgrades; and pavilion elevator door project. Projects in design: state-mandated storm water improvements; and electrical upgrades and speaker system project.	Ongoing
Parks and Landscaping - Park Projects											
1	78043	Robinson Park - Recreation Center Renovation Project	11,400,000	11,400,000	1,499,847	9,900,153	139,169	4,250,000	Construction will begin in FY 2017.	Groundbreaking ceremony held on February 18; followed by contract execution and pre-construction meetings in March. Construction began April 18, 2017.	Construction
2	78068	Citywide Park Accessibility Improvements	586,000	586,000	252,869	333,131	51,787	300,000	This project will be completed in FY 2017.	Design continued in 3rd quarter and scheduled to advertise in 4th quarter.	Design

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3	78054	Desiderio Park - Development of New Park	3,400,000	3,060,000	989,247	2,070,753	90,212	1,600,000	Initial park construction will begin in FY 2017.	Design continued and was 90 percent completed by end of 4th quarter. Construction delayed due to ongoing community outreach and changes in design scope.	Design
4	78059	Installation of Restroom Building at Desiderio Park	900,000	200,000	2,830	197,170	2,830	200,000	Design of this project will begin in FY 2017.	Contract awarded for design in 3rd quarter. Design scheduled to begin 4th quarter.	Design
5	78240	Annandale Canyon Open Space Trail Access, Improvements and Park Expansion	496,000	496,000	486,417	9,583	60,045	86,000	Work will continue in FY 2017.	Design continued in 3rd quarter. Community engagement and Recreation and Parks Commission review will occur in 4th quarter.	Design
6	78044	Citywide Sports Facilities Improvements	2,372,166	1,236,091	510,649	725,442	49,463	500,000	Resurfacing of the tennis courts and repairing the fence at Brookside Park will be completed in FY 2017. In addition, design for the softball field and fence, tennis court fences, and basketball court repairs will begin at Grant Park in FY 2017.	Design completed for Brookside tennis courts and continued for Grant Park improvements. Brookside Park project scheduled to advertise in 4th quarter. Construction delayed due to re-scoping and competing priorities.	Design
7	78076	Pocket Park Planning - Citywide FY 2016 - 2020	375,000	150,000	48,443	101,557	45,221	50,000	In FY 2017, staff will continue to identify and review potential pocket park locations.	Two working groups continued to strategize and identify potential pocket park locations in 3rd quarter. Funding appropriated for two previously identified locations in the FY 2018 CIP Budget.	Planning
8	78074	McDonald Park - Play Equipment Replacement	400,000	400,000	69,846	330,154	36,485	360,000	Construction will begin in FY 2017.	Design completed and project advertised in 3rd quarter. Contract to be awarded in 4th quarter and construction scheduled to begin 1st quarter FY 2018.	Design
9	78069	Hamilton Park - Various Projects	755,000	175,000	111,287	63,713	39,259	115,000	In FY 2017, work on perimeter walkway will be completed and remaining work will continue.	Design continued in 3rd quarter and scheduled to advertise in 4th quarter.	Design
10	78038	Restroom Bldgs (Replace or Construct)-Jefferson, McDonald, Allendale, Victory, Grant, Villa, Singer, Eaton-Blanche, Memorial, Hamilton Parks	7,219,623	7,219,623	6,257,388	962,235	503,404	1,100,000	In FY 2017, construction of the restrooms at Eaton-Blanche Park will be complete, and the design of the restrooms at Victory Park will begin.	Construction of Eaton-Blanche Park restroom completed January 9, 2017. Contract awarded for design of Victory Park in 3rd quarter. Design began in 4th quarter.	Design

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11	78461	Central Park - Implement Master Plan	3,200,000	2,745,600	1,383,769	1,361,831	123,183	700,000	Construction of the restroom will begin in FY 2017.	Construction of restroom continued in 3rd quarter. Anticipated for completion in Summer 2017.	Construction
16	78075	H2O on the Go - Pilot Program	75,000	75,000	49,868	25,132	30,381	40,000	The installation of one station and study of future locations will be completed in FY 2017.	Installation at Brookside Park completed in 3rd quarter.	Completed
19	78055	Soccer Field - Muir High School	2,000,000	2,000,000	1,915,605	84,395	24,388	126,686	Construction of the restroom will begin in FY 2017.	Department of State Architect (DSA) plan review for restroom component of the project continued in 3rd quarter.	Design
20	78801	School Park Site Improvements	749,500	724,500	698,246	26,254	241,824	325,971	The Linda Vista playground project will be completed in FY 2017.	Project completed November 1, 2016.	Completed
Parks and Landscaping - Landscape Projects											
1	78958	Tree Replacement/Planting - Citywide FY 2017 - 2021	1,400,000	400,000	38,765	361,235	38,765	400,000	In FY 2017, approximately 600 trees will be planted.	Staff continued to inspect, notify residents, and compile tree planting sites. A total of 155 trees were planted by end of 3rd quarter and 601 trees by end of 4th quarter.	Ongoing
Arroyo Projects - Hahamongna											
1	77506	Hahamongna - Implement Master Plan - Oak Grove Area Improvements	1,864,348	1,864,348	311,764	1,552,584	17,166	200,000	Design will continue in FY 2017.	Design continued in 3rd quarter. Draft RFP documents were completed and scheduled to advertise in 4th quarter.	Design
2	77507	Hahamongna - Implement Master Plan - Trail Development	877,905	877,905	148,321	729,584	12,186	50,000	Design will continue in FY 2017.	Design continued in 3rd quarter. Draft RFP documents were completed and scheduled to advertise in 4th quarter.	Design
3	77509	Implement Master Plan - Hahamongna Watershed Park - Berkshire Creek Area Improvements	1,593,010	778,410	211,919	566,491	61,905	50,000	Design will continue in FY 2017.	Design continued in 3rd quarter. Draft RFP documents were completed and scheduled to advertise in 4th quarter.	Design
4	77508	Implement Master Plan - Hahamongna Watershed Park - Habitat Restoration	520,000	420,000	97,222	322,778	1,954	50,000	Design will continue in FY 2017.	Design continued in 3rd quarter. Draft RFP documents were completed and scheduled to advertise in 4th quarter.	Design
5	77516	Hahamongna Watershed Park - Oak Grove Disc Golf Course Improvements	75,000	75,000	21,721	53,279	7,943	10,000	Design will continue in FY 2017.	Design continued in 3rd quarter. Draft RFP documents were completed and scheduled to advertise in 4th quarter.	Design

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6	77901	Pasadena Equestrian Center Improvements	950,000	650,000	110,502	539,498	26,937	500,000	Design will continue in FY 2017.	Project planning continued in 3rd quarter.	Planning
Arroyo Projects - Central Arroyo											
1	77379	Area H Perimeter Improvements	1,400,000	1,400,000	69,079	1,330,921	25,975	1,000,000	In FY 2017, planning, CEQA, and design will be completed.	Project reviewed by Design Commission in 3rd quarter. Following the review, design will be adjusted to incorporate recommendations by the Design and Recreation and Parks commissions and public.	Design
2	77562	Brookside Park - Jackie Robinson Baseball Stadium Improvements	347,478	347,478	169,291	178,187	17,773	200,000	Construction of the outfield netting and replacement of bleachers will begin in FY 2017.	Project design completed and advertised in 3rd quarter. Construction scheduled to begin in August 2017 to accommodate park's recreation schedules.	Design
3	77377	East Arroyo Neighborhood Connector Trail Improvements	186,000	186,000	51,053	134,947	8,962	144,596	Construction will begin in FY 2017.	Design continued in 3rd quarter.	Design
4	77371	Trail and Rubble Wall Restoration - Central Arroyo	688,848	688,848	558,368	130,480	18,325	148,805	This project will be completed in FY 2017.	Project design completed and advertised in 3rd quarter. Contract for construction to be awarded in 4th quarter.	Design
5	77380	Central Arroyo - Trail Re-Alignment and Improvements - Concept Study	100,000	100,000	0	100,000	0	100,000	Planning and preliminary design will begin in FY 2017.	Planning will begin in 4th quarter.	No Activity This Quarter
Arroyo Projects - Lower Arroyo											
1	77414	Lower Arroyo - Implement Master Plan - Signage Plan	179,200	179,200	152,431	26,769	37,426	75,000	The master sign plan will be completed in FY 2017.	Design consultant provided a summary report of online survey, a program summary, and developed initial design styles for sign type. Staff reviewed the submittals and provided comment. A status report was provided to the Recreation and Parks Commission on May 2. The signage plan is scheduled for Design Commission review on July 11. Project delayed due to complexity and the association of other Arroyo Seco signage issues.	Planning
2	77407	Lower Arroyo - Implement Master Plan - Main Entrance Improvements	200,000	200,000	90,511	109,489	18,197	125,000	Construction will be completed in FY 2017.	Design completed 3rd quarter and scheduled to advertise in 4th quarter.	Design

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Pasadena Center Improvements											
1		Restoration and Renovation of the Civic Auditorium Exhibition Hall	5,870,000	2,171,000	N/A	N/A	N/A	1,000,000	A new HVAC system will be installed in FY 2017.	Construction completed includes: demolition of existing HVAC system; installation of chilled water piping; sprinkler and fire alarm systems; fabrication of fans; and fabrication of dampers. Project on hold through March for Civic Event activity. Changes to project during this time include structural fan wall anchorage redesign and boiler system redesign.	Construction
2		Restoration, Upgrades, and Repairs of the Civic Auditorium, Convention Center and Ice Rink - FY 2013 - FY 2017	1,060,000	1,060,000	N/A	N/A	N/A	200,000	Upgrades for internet service throughout the Convention Center, repair/replacement of the elevator shaft in the conference building, and Civic Auditorium stage repairs will be completed in FY 2017.	Initial phase for design of Hall C internet upgrades completed. Installation began in May. Ongoing repairs throughout complex included major leak repair in Conference Building. Replacement of elevator shaft to occur in June and stage repairs project in bid process.	Construction
3		Electrical Service Panel Upgrades to Civic Auditorium - Panel 2	900,000	900,000	N/A	N/A	N/A	400,000	Replacement of panel 2 will be completed in FY 2017.	Work completed includes: installation of temporary switchgear; demolition of existing switchgear; installation of new switchgear & bus duct into PWP electrical service vault; and replacement of 2 transformers by PWP. Project completed in April 2017.	Completed
Water System											
1	1001	Distribution Mains FY 2017 - 2021	17,141,080	2,449,750	1,038,886	1,410,864	1,038,886	2,650,000	In FY 2017, three miles of new distribution mains will be installed including installation and/or repair of 100 gate valves, water services, fire hydrants, and asphalt or concrete patching/resurfacing of the trenches as required by code. The actual amount of pipe installed will vary due to size and complexity of projects.	Work plan completed in CIPs 1001 and 1019 encompass new distribution and fire protection infrastructure through 3rd quarter: 1.79 miles of distribution mains; 57,430 square feet of asphalt roadway; 3,758 square feet of concrete roadway and sidewalk; 180 main line service connections; 67 gate valves; and 9 fire hydrants were installed.	Ongoing

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2	1019	Fire Protection System Improvements FY 2017 - 2021	6,906,981	1,648,562	1,614,903	33,659	1,614,903	1,195,000	In FY 2017, three miles of new distribution mains will be installed including installation and/or repair of 100 gate valves, and asphalt/resurfacing, as needed. Total miles installed will include CIP projects 1001, 1019, and 1063. The amount of cashflow requested for each CIP project is needed to meet the workplan goal for water distribution main installations in FY 2017. The actual amount of pipe installed will vary due to size and complexity of projects.	Work plan completed in CIPs 1001 and 1019 encompass new distribution and fire protection infrastructure through 3rd quarter: 1.79 miles of distribution mains; 57,430 square feet of asphalt roadway; 3,758 square feet of concrete roadway and sidewalk; 180 main line service connections; 67 gate valves; and 9 fire hydrants were installed.	Ongoing
3	1040	Arroyo Spreading Basins and Intake Structures	12,442,870	5,442,870	2,989,057	2,453,813	385,089	3,000,000	In FY 2017, design and construction for a temporary bridge will be completed in order to provide access to contractors for the Arroyo Seco Canyon Project work at PWP's headworks and intake structure. Additional construction work will include new/expanded spreading basins, modified intake structure, new weir, and demolition of existing headworks.	Construction continued on the temporary bridge project and Consolidated Design Review application approval received from Planning Department. Project design resumed and completion anticipated in 4th quarter. Unfavorable judgement was received in ongoing project litigation. Working with Counsel to determine next steps.	Design
4	1054	Facility Security Systems	1,022,636	372,636	22,229	350,407	4,013	150,000	In FY 2017, staff will continue to develop the scope of work for security system upgrades at all Water facilities including: new security cameras, motion detectors, keycard access, and installation of new gate entry system.	No reportable activity in 3rd quarter due to prioritization of competing projects.	No Activity This Quarter
5	1013	Recycled Water	31,885,564	4,601,588	3,973,905	627,683	496,969	300,000	In FY 2017, the design will be completed and necessary regulatory and pre-construction permits will be obtained. The final design will facilitate the preparation of bid documents for the construction bid package. Staff is actively seeking outside sources of funding (governmental grants and loans). Phase I construction which is the installation of piping from the Scholl Canyon reservoir, installation of a pressure reducing station at West Drive, and installation of pipeline between School Canyon and West Drive will begin when funds are identified.	Construction approval received from US Army Corps of Engineers and water quality certification received from Regional Water Quality Control Board. Submitted application to California Fish and Wildlife for Streambed Alteration Agrreement and prepared diversion plan for the crossing of Arroyo Seco. Design is on hold pending State and/or Federal grant awards.	Design

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6	1037	Reservoir Improvements FY 2017 - 2021	10,634,746	470,351	21,244	449,107	21,244	500,000	In FY 2017, contractors will prepare the enviromental documentation and begin design for the replacement of Sunset Reservoir Unit 1.	Continued preparing Request for Qualifications for Sunset Reservoir Replacement analysis and impact. RFP for environmental documentation and project design will be advertised in 4th quarter for consultant selection by 1st quarter of FY 2018. Internal delays due to prioritization of competing projects.	Planning
7	1062	Sunset Disinfection System FY 2017 - 2021	1,115,674	933,804	375,512	558,292	375,512	650,000	In FY 2017, construction of the Sunset Disinfection Facility will continue with completion expected by the end of the fourth quarter. Any further effort towards final resolution of the perchlorate contamination of the Sunset Wells will be minimal as the plans for future replacement of the Sunset Reservoir should occur before moving forward with a perchlorate treatment system at the same site.	Rain delayed site grading and paving work. Instrumentation and equipment testing completed in 3rd quarter. Final permits and CalARP compliance documents scheduled for 4th quarter.	Construction
8	1002	Meters and Services FY 2017 - 2021	10,217,823	1,640,978	1,003,600	637,378	1,003,600	2,100,000	In FY 2017, contractors will complete the replacement of approximately 2,300 non-AMR meters with new AMR meters. PWP crews will install 200 new services, 3 meter vault/steel plate covers, and, as part of an ongoing Meter Replacement Program, 400 small meters and 50 large meters will be replaced.	371 non-AMR meters were replaced with AMR technology, 444 AMR meters and 14 water meter vaults were replaced, and 2,969 gate valves were excercised in 3rd quarter.	Ongoing
9	1025	Management Information Systems - Water and Power Department FY 2017 - 2021	664,218	434,393	24,767	409,626	24,767	87,500	In FY 2017, PWP Technology staff will conduct an assessment to replace or upgrade the HighJump Inventory system. IT upgrades pertaining to servers, switches, software, and data center utilities will be completed and vulnerability assessment recommendations will be implemented.	No reportable activity in 3rd quarter due to prioritization of competing projects.	Ongoing
10	1020	Upgrade Well Pumps, Booster Pumps, Switchgears and Meters FY 2017 - 2021	3,131,550	1,156,796	215,746	941,050	215,746	800,000	In FY 2017, the Monte Vista Well will be rehabilitated and construction on the Arroyo Booster Station upgrades will begin. Upgrades to other well, booster pump, meters, and switchgear will be completed as required.	Preliminary design on Arroyo Booster Station upgrades 80% complete. External delay due to pending maximum day demand flow analysis from engineering consultants.	Design

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
11	1003	Customer Driven Meters and Services FY 2017 - 2021	5,932,583	1,559,813	1,163,046	396,767	1,163,046	900,000	In FY 2017, crews will install mains, meters, and services for customers upon request and at customers' expense for new building, construction, and development projects.	City crews completed work on 39 domestic service installations; 14 irrigation service installations; 21 fire service installations with backflow devices; 7 new fire hydrants; 71 meter installations; and 35 abandonments in 3rd quarter. Additionally, 46 new water service applications were reviewed and initiated.	Ongoing
12	1034	Water Telemetry and On-Line Water Quality Detectors FY 2017 - 2021	472,556	219,336	5,202	214,134	5,202	200,000	In FY 2017, work will include moving and upgrading the existing phone connections for the communication lines to fiber optics and/or radio transmission for the Water SCADA system communications.	No reportable activity in 3rd quarter due to prioritization of competing projects. Work to upgrade SCADA system communication anticipated to begin in 4th quarter.	No Activity This Quarter
13	1072	Enterprise Resource Plan (ERP) - Water System	760,023	760,023	517,989	242,034	44,130	177,561	The ERP is an enterprise project being coordinated through DoIT. The FY 2017 budget includes the Water Fund's cost allocation for the ERP project, the cost allocation for new Timekeeping software upgrades, and additional PWP costs to build interface solutions to Tyler Munis.	The ERP is an enterprise project being coordinated through DoIT.	Ongoing
14	1011	Customer Information System	2,589,585	965,585	54,973	910,612	11,318	250,000	In FY 2017, a needs assessment will be initiated for a new CIS system and Request for Proposals will be prepared to obtain a vendor. The current CIS system will be maintained and upgraded as necessary.	Request for proposal for Customer Information System needs assessment posted in March 2017. Deadline for proposals was April 13, 2017. Continued testing Vertex and Tyler Munis interface for processing customer bill payments.	Planning
15	1056	Water and Power Warehouse Modernization	1,769,047	1,769,047	1,732,394	36,653	0	100,000	In FY 2017, work on existing warehouse building is scheduled to continue for Water utility functions.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
16	1043	Devil's Gate Tunnels	61,278	61,278	62,463	(1,185)	0		In FY 2017, this project will remain open to supplement the Recycled Water project (#1013).	No reportable activity in 3rd quarter due to the absence of tunnel water.	No Activity This Quarter
17	1009	Geographic Information System - Water and Power Department	1,018,903	703,903	547,359	156,544	19,365	90,000	In FY 2017, PWP Technology staff will complete web GIS enhancements, Mapplet implementation for iOS, Water Mobile GIS enhancements, ESRI and ArcFM software training.	Procured, configured, and deployed 6 ruggedized mobile GIS laptops for Water Metershop. Testing and user acceptance completed for mobile GIS application upgrades and Mapplet configuration.	Ongoing

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
18	1012	Field Service Automation	538,678	318,678	28,210	290,468	0	55,000	In FY 2017, PWP Technology and Customer Service staff will evaluate and request software and hardware upgrades to meter reading handheld devices, water touch probes, electric probes and related meter reading software as needed.	Pending finalized project schedule and total estimated cost from Itron to upgrade Multi-Vendor Reading System (MVRS) to Field Collection System (FCS).	Ongoing
19	1063	Monk Hill Perchlorate Treatment Plant	6,605,148	3,337,901	1,789,416	1,548,485	189,857	75,000	In FY 2017, contractors will complete pipeline installation to support the Monk Hill Treatment Plant. Design work is expected to begin for the new JPL well at the Monk Hill/Arroyo Well site. Project expenditures will be reimbursed by NASA.	Preliminary design report completed and received in February, 2017. Environmental documentation for JPL parking lot well is expected to be completed in 1st quarter FY 2018.	Design
20	1021	New Well Projects	2,525,880	193,127	0	193,127	0	500,000	In FY 2017, consultants will begin design work for the new Monte Vista well, and a feasibility study will be conducted to determine locations for new groundwater well sites.	No reportable activity in 3rd quarter due to result of Monte Vista well site assessment. Initial findings show scope to replace the well will be greater than projected estimations. Project work plan may be further delayed based on FY 2018 Water Master Plan.	Planning
21	1065	Radio Equipment Replacement	1,152,827	1,052,827	242,707	810,120	0	30,000	In FY 2017, additional radios will be purchased as needed.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
22	1016	Interactive Voice Response System (IVR)	295,851	220,851	4,750	216,101	0	18,750	In FY 2017, PWP Technology staff will review and implement IVR/IWR system enhancements and modifications to improve customer experience.	Testing in progress for Vendor-developed secure customer data exchange between IWR and web-based customer rebates application. Development and redesign of PWP website continued.	Ongoing
Electric System											
1	3161	Power Distribution Capacity and Reliability Program FY 2017 - 2021	24,501,587	5,303,699	2,718,184	2,585,515	2,718,184	4,000,000	In FY 2017, PWP crews will identify aged, inadequate capacity, inoperable, and/or unsafe distribution capital equipment, and replace components such as transformers, switches, and overcurrent protection devices.	Installed 5 underground switches, 3 transformers, 1 Resettable Rault Interrupter (RFI) switch, and 1,400 feet of UG OH cable in 3rd quarter.	Ongoing
2	3174	Utility Undergrounding FY 2017 - 2021	23,200,000	7,200,000	N/A	N/A	N/A	7,200,000	In FY 2017, crews will complete civil construction for utility undergrounding on Alpine Street and begin construction on Mountain Street and Hill Avenue.	Sunsetted in FY 2017; UUP charges will be expensed by district to CIPs 3210 - 3215.	Completed

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3	3191	4 kV Distribution System Conversion FY 2017 - 2021	20,987,685	1,994,259	1,827,295	166,964	1,827,295	3,500,000	In FY 2017, the State of the System Report will be utilized to identify target locations for the conversion of 4kV circuits to 17kV circuits and support connection to Utility Undergrounding districts.	Continued 4kV to 17 kV circuit conversion in North Hastings area, including the installation of 3 overhead transformers, 4 underground switches, and over 3,200 feet of underground cables.	Ongoing
4	3013	Facility Security Systems FY 2017 - 2021	3,226,135	2,645,144	63,770	2,581,374	63,770	200,000	In FY 2017, PWP staff will initiate a RFP to assess the security systems of all substations and dispatch facilities. Assessment and findings will support compliance with new NERC standards and federal regulatory requirements.	Construction resumed on the T.M. Goodrich substation security wall. Delays continued due to Southern California Edison transmission line study to verify clearance requirements. Work is expeced to be completed in 2nd quarter FY 2018.	Construction
5	3195	Transmission System Enhancements FY 2017 - 2021	5,848,015	1,763,822	17,357	1,746,465	17,357	1,500,000	In FY 2017, two 220kV disconnect switches will be installed at T. M. Goodrich substation.	Completed replacement of current transformer at T.M. Goodrich substation in 3rd quarter. Replacement of the 220kV disconnect switches are on hold pending master engineering services and interconnection agreement contract negotiations with Southern California Edison.	Ongoing
6	3001	Services from Utility Underground System Private Property Vaults FY 2017 - 2021	14,727,293	2,920,531	1,491,267	1,429,264	1,491,267	2,500,000	This is a recurring project scheduled for each year of the Capital Improvement Program to respond to customers' requests.	Continued private property designs and 26 new services requiring private vaults or padmount transformers installed through 3rd quarter.	Ongoing
7	3137	Cable Replacement and Testing FY 2017 - 2021	12,956,626	2,575,363	340,297	2,235,066	340,297	2,500,000	In FY 2017, crews will be deployed for field inspection and testing to identify aged cables that need replacement. Additionally, proactive testing and rejuvenation of cables will be completed for 34kV lines.	Completed 25% of cable replacement project for the 34-11 line including installation of over 1,800 feet of cable. 1,275 additional feet of underground cable were replaced throughout the distribution system in 3rd quarter.	Ongoing
8	3002	Distribution System Expansion FY 2017 - 2021	10,526,073	2,293,414	664,424	1,628,990	664,424	2,000,000	In FY 2017, underground infrastructure of conduits and vaults will be expanded to accommodate the 4kV to 17kV conversion projects and customer-driven projects. Civil construction will begin at San Rafael Avenue and Linda Vista Avenue for distribution system enhancements.	Paloma Street: Installation of civil underground infrastructures continued in the 3rd quarter. Construction on Phase 2 delayed due to New Year's moratorium, soil conditions, weather, LA County permit restrictions, and contract labor shortages. The work is expected to be completed in 4th quarter.	Ongoing

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9	3182	GT-1 and GT-2 Renewals, Replacements, and Improvements	16,990,735	16,455,735	12,612,261	3,843,474	735	1,120,000	In FY 2017, control system upgrades for GT-1 and GT-2, equipment replacement, and repairs for GT-1 will occur on an as needed basis.	Prepared request for proposal for GT-2 repairs.	Planning
10	3023	Services from Public Right-Of-Way FY 2017 - 2021	13,653,093	1,991,766	1,708,298	283,468	1,708,298	2,500,000	In FY 2017, civil construction projects for new installations, laterals, pull boxes, vaults, and pole risers will be completed to meet customer-driven private vault and conduit needs in sidewalks, street crossings, and other elements of public right-of-way.	Provided new or upgraded services for approximately 10 commercial and 146 residential services in 3rd quarter, based on customer requests.	Ongoing
11	3090	Switchgear Upgrades for Power System Facilities FY 2017 - 2021	2,969,657	1,201,397	233,965	967,432	233,965	250,000	In FY 2017, PWP crews will replace 34kV Line GT-1 and GT-2 breakers at Receiving Station D; replace defective station battery systems as needed based on test results; plan for a new 17 kV double-ended substation unit installation; replace defective transformer differential relays at 17 kV switchgears; replace outdated substation transformer tap regulating relays and accessories; replace defective station circuit breakers and switches.	Completed replacement of GT-1 and GT-2 circuit breakers and upgraded the Arc Flash protection relays at Glenarm Substation Unit 3. Completed specifications to purchase substation batteries that will be procured in 4th quarter.	Ongoing
12	3189	Santa Anita Substation Upgrade FY 2017 - 2021	2,058,241	1,458,241	0	1,458,241	0	150,000	In FY 2017, external lighting upgrades to enhance security at the substation will continue to be installed.	No reportable activity in 3rd quarter due to the prioritization of competing projects.	No Activity This Quarter
13	3207	Enterprise Resource Plan (ERP) - Electric System	2,710,009	2,710,009	1,975,209	734,800	167,878	658,040	The ERP is an enterprise project being coordinated through DoIT. The FY 2017 budget includes the Power Fund's cost allocation for the ERP project, the cost allocation for new Timekeeping software upgrades, and additional PWP costs to build interface solutions to Tyler Munis.	The ERP is an enterprise project being coordinated through DoIT.	Ongoing
14	3196	Seismic Upgrade of Power Facilities FY 2017 - 2021	6,109,021	2,058,822	85,184	1,973,638	85,184	1,000,000	In FY 2017, TM Goodrich, Santa Anita, and Glenarm receiving stations seismic upgrades will continue; new footings, sway bars, and foundation adjustments will be purchased for installation.	Seismic welding of Santa Anita Substation switchgear Unit 2 completed in 3rd quarter. Seismic welding of switchgear Unit 1 has been rescheduled to 2nd quarter FY 2018 due to high load and operation restrictions.	Ongoing

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15	3185	Replacement and Upgrade of Electric Equipment and Facilities FY 2017 - 2021	10,087,400	1,341,124	165,247	1,175,877	165,247	1,900,000	In FY 2017, repairs and replacements will continue on damaged vaults at various locations. Assessment and scoring on a six-point scale will determine which locations will require prioritization.	7 pull boxes and 5 vaults repaired through 3rd quarter. Civil engineering design and preparation of specifications to reinforce 2 additional vaults are in progress. Internal delays due to resource limitations and work on projects with competing priorities.	Ongoing
16	3190	Power Transmission Program FY 2017 - 2021	5,877,337	1,610,298	77,046	1,533,252	77,046	1,900,000	FY 2017 - 2021 Capital Budget is for the ongoing LA DWP DC Line Underground Return project and AC/DC Filer Replacement project. These projects are managed by LA DWP and the FY 2017 budget represents Pasadena's allocation expected to be billed.	LADWP is the operating agent for this Capital Improvement Project and PWP is invoiced for a share of the costs. Through 3rd quarter, work was completed on the Sylmar AC/DC Filter Replacement project; the Sylmar Electrode line submarine segment; the Sylmar Electrode Ground Return Overhead portion; the adaption of a new telecommunication system; the analysis and evaluation of PDCI Towers; and the DC Electrode project land portion.	Ongoing
17	3192	Distribution System Automation and Smart Grid FY 2017 - 2021	3,666,053	1,411,236	198,315	1,212,921	198,315	500,000	In FY 2017, consultants will complete the project design for the SR-1 underground recloser, Lincoln overhead recloser, two new 5-year solid-dielectric underground switches for La Loma, and two new underground automated switches. Equipment purchased will be programmed, installed and tested, and existing distribution automation devices will be upgraded.	Completed on-site factory training of field crews for Viper-ST Recloser and Trident-SR 5-way solid-dielectric underground switch. Design packages are in progress and will be released for construction in 4th quarter.	Ongoing
18	3034	Distribution System Life Cycle Management FY 2017 - 2021	3,898,492	1,067,695	150,270	917,425	150,270	750,000	In FY 2017, crews will be deployed to gather GIS data that is needed for projects and planning. In initializing the data set, functionality will be improved to benefit SCADA and OMS, and integration will be possible with IT projects such as ArcGIS and ArcFM.	Continued upgrading ArcGIS tools including fedder search display manager, fiber dataset implementation, and ArcGIS onling prototype.	Ongoing

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19	3205	Subtransmission System Enhancements	24,000,000	1,000,000	562,513	437,487	111,215	500,000	In FY 2017, a study will be completed to identify a route proposal for a subtransmission system upgrade. A detailed project execution plan will be designed to ensure alignment with load growth expectations.	Continued work on subtransmission line 34-5B remediation. Internal delays due to resource limitations and work on projects with competing priorities.	Ongoing
20	3128	Substation Oil Containment FY 2017 - 2021	1,554,644	541,456	14,863	526,593	14,863	250,000	In FY 2017, one new oil containment system will be installed to prevent oil leakage from transformers. This is a safety measure in case of a large seismic event.	Civil engineering design for Del Mar Substation oil containment project progressed to 80% completion. The design will be finalized in 4th quarter. Internal delays due to resource limitations and work on projects with competing priorities.	Design
21	3117	Wood Utility Pole Replacement/Reinforcement Program FY 2017 - 2021	2,905,133	662,305	205,450	456,855	205,450	500,000	In FY 2017, crews will be deployed to complete a government-mandated inspection on all wood utility poles. 8,470 poles will receive annual visual inspection; 2,260 poles will receive detailed inspection (every 5 years); and 565 pole will receive intrusive inspection (every 20 years). Overhead conductors and poles will be replaced per inspection findings.	Worked with Southern California Edison on the replacement of jointly-owned poles. Pole loading analysis completed by contractor and minor pole repairs completed.	Ongoing
22	3073	Supervisory Control and Data Acquisition System Expansion FY 2017 - 2021	2,798,401	704,769	97,856	606,913	97,856	500,000	In FY 2017, new workstations, servers, software, and equipment for Backup Dispatch Center will be installed to enable communication to Primary Dispatch.	Programming of the new hardware necessary for GT-3 and GT-4 Remote Terminal Unit (RTU) upgrades completed; construction is expected to be completed in 4th quarter. Work plan related to the Backup Dispatch Center upgrades at 245 W. Mountain Street will commence after building and generator evaluations are completed in 1st quarter FY 2018.	Ongoing
23	3181	Substation and Dispatch Facilities Improvements FY 2017 - 2021	8,645,453	1,002,447	93,121	909,326	93,121	1,200,000	In FY 2017, design, furniture and equipment purchases, displays, middleware, uninterruptible power source (UPS) unit improvements will be completed at the backup Dispatch Center 245 W. Mountain St.	Building analysis for the Backup Dispatch Center at 245 W. Mountain Street began in 3rd quarter and evaluation and analysis findings expected in 4rd quarter.	Design

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24	3148	B-3 Renewals, Replacements, and Improvements	2,717,657	2,717,657	2,291,501	426,156	0	500,000	In FY 2017, the decommissioning of Unit B-3 will continue. In the event of delays with the commission of GT-5, it will be necessary to maintain miscellaneous renewals, replacements and improvements on an as needed basis for Unit B-3.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
25	3119	Management Information Systems - Water and Power Department FY 2017 - 2021	1,826,428	1,186,954	74,301	1,112,653	74,301	262,500	In FY 2017, PWP Technology staff will conduct an assessment to replace or upgrade the HighJump Inventory system. IT upgrades pertaining to servers, switches, software, and data center utilities will be completed and vulnerability assessment recommendations will be implemented.	Network switches for Engineering Trailer and B-3 Control Room were procured in 3rd quarter.	Ongoing
26	3028	Records and Drawings Automation	1,107,748	707,748	314,237	393,511	0	100,000	In FY 2017, software products with interfaces to AutoCAD will be evaluated and purchased to increase projects' design process efficiency. New software will accommodate the use of construction units and support a standardized process for utility construction design, improving the accuracy of estimating project resource needs.	No reportable activity in 3rd quarter due to the prioritization of competing projects.	No Activity This Quarter
27	3178	Power Supply Facility Security	819,254	639,254	26,905	612,349	19,882	165,000	In FY 2017, improvements to Glenarm, Broadway and Azusa Hydro plants security systems will be completed on an as needed basis. Improvements to Azusa specifically planned to begin in FY 2017.	Procured access control and surveillance equipment and software for Glenarm Plant.	Ongoing
28	3201	Outage Management System	2,350,000	1,950,000	1,094,696	855,304	0	100,000	In FY 2017, software and hardware upgrades will be purchased and installed to improve functionality and integrate the Outage Management System with other City applications.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter

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29	3133	Economic Rehabilitation of Properties	2,142,016	1,242,016	818,799	423,217	7,710	200,000	In FY 2017, an assessment will be completed to identify a new site for central dispatch center. Consultants will evaluate the capacity of existing locations for reconfiguration, added functionality, new mechanical and engineering systems, and needed architectural and building upgrades.	Emergency repair of sinkhole at Glenarm Substation parking lot completed in 3rd quarter. Design and construction of surface drainage improvements will begin in 4th quarter.	Construction
30	3180	Power Production Facility Improvements	2,232,773	1,392,773	675,724	717,049	302,314	725,000	In FY 2017, upgrades to plant efficiency software and technology will continue. GT-5 plant operation improvements, such as additional platforms/stairs, chemical tanks for chemical feed system, installation of fountain drain pump, will be assessed and completed. Additionally, a feasibility study will be conducted for local generation stations "black start" capability. Black Start is a process of restoring a power station to operation without reliance on an external electrical power transmission network.	Purchase and installation of refurbished Engineering trailer completed in 3rd quarter.	Ongoing
31	3033	New Feeders and Communications Circuits FY 2017 - 2021	2,645,840	1,045,840	57,025	988,815	57,025	400,000	In FY 2017, the installation of one new feeder (lead circuits) from Hasting Unit 2 will be completed. The installation will include 5 miles of underground cable conductor, automation equipment, and automation control switches to enable the transfer of power where needed between connection points.	No reportable activity in 3rd quarter due to the prioritization of competing projects.	No Activity This Quarter
32	3140	Project Work Management System - Water and Power Department	4,364,767	1,464,767	193,571	1,271,196	0	750,000	In FY 2017, CASCADE will be upgraded to version 3.51 and the back-end data stored in Sybase will be migrated to SQL Server. Construction units of measure will be established to better track production and project progress. A consultant will be contracted to restructure data storage and initialize criticality, health, and risk formulas.	No reportable activity in 3rd quarter due to the prioritization of competing projects.	No Activity This Quarter

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33	3022	Customer Information System	5,920,938	1,314,300	260,350	1,053,950	33,726	1,151,660	In FY 2017, a needs assessment will be initiated for a new CIS system and Request for Proposals will be prepared to obtain a vendor. The current CIS system will be maintained and upgraded as necessary.	Request for proposal for Customer Information System needs assessment was posted in March 2017. Deadline for proposals was April 13, 2017. Continued testing Vertex and Tyler Munis interface for processing customer bill payments.	Planning
34	3035	Distribution System Fault Indicators/Recorders/Digital Relays FY 2017 - 2021	1,258,679	448,091	57,389	390,702	57,389	200,000	In FY 2017, as part of ongoing system upgrades for increased reliability, crews will install two new overhead fault indicator and three new underground fault indicator systems that will communicate with the Supervisory Control and Data Acquisition System (SCADA).	Installed one 3G cellular Distribution Automation (DA) device; Upgraded firmware on one 3G cellular DA device; Replaced two 2G cellular DA devices with 3G and 4G units.	Ongoing
35	3021	Power System Cable and Transformer Test Equipment	1,369,930	969,930	476,463	493,467	630	100,000	In FY 2017, sweep frequency testing equipment will be purchased to gather data on internal windings and improve system reliability. Measured trends, benchmarks, and other collected data will monitor the remaining useful life of a substation, facilitating scheduled outages for maintenance and replacements and preventing unscheduled outages.	Acquired two circuit breaker testing units for electrical testing in 3rd quarter.	Ongoing
36	3005	Geographic Information System - Water and Power Department	1,513,826	1,213,826	239,787	974,039	83,135	85,000	In FY 2017, PWP Technology staff will complete web GIS enhancements, Mapplet implementation for iOS, Water Mobile GIS enhancements, ESRI and ArcFM software training.	Testing and user acceptance completed for mobile GIS application upgrades and Mapplet configuration.	Ongoing
37	3173	Power Meter Installation and Replacement Program FY 2017 - 2021	1,658,787	537,720	52,928	484,792	52,928	250,000	In FY 2017, crews will purchase, install, and test new power quality meters for existing substations, dispatch RSC/RSD receiving station, and the Wilson substation.	Completed installation of power meters at Glenarm substation Unit 3 in coordination with Arc Flash Relay upgrades.	Ongoing
38	3175	Water and Power Warehouse Modernization	18,620,653	18,618,427	16,251,955	2,366,472	0	250,000	In FY 2017, work on existing warehouse building is scheduled to continue for power utility functions.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter

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39	3168	Engineering Services Installation/Maintenance of Fiber Optic System FY 2017 - 2021	693,685	274,119	0	274,119	0	100,000	In FY 2017, crews will complete design, equipment purchases, installation, and testing of splice points to connect distribution automation (DA) equipment to the existing fiber optic system.	No reportable activity in 3rd quarter. Work completed on an as needed basis, per customer requests.	No Activity This Quarter
40	3109	Customer Load Research Program	1,967,736	1,567,736	1,545,754	21,982	71,333	150,000	In FY 2017, analysis will continue for the upgrade of medium commercial meters and connection of meters to the MV-90 system to enhance load data analysis.	Approximately 20 installations and upgrades of medium commercial meters completed in 3rd quarter.	Ongoing
41	3206	Redevelopment of Generation Site (Phase I)	600,000	200,000	0	200,000	0	100,000	In FY 2017, contractors will begin preliminary planning and analysis of the site.	No reportable activity in 3rd quarter due to the prioritization of competing projects.	No Activity This Quarter
42	3142	Time-of-Use Metering Infrastructure - Advanced Metering Infrastructure (AMI)	16,056,413	556,413	45,223	511,190	0	300,000	In FY 2017, consultants will complete an assessment on Meter Data Management Systems (MDMS) for purchase. MDMS will serve as a repository of data, and information from SCADA, meters will export to integrated systems as needed.	No reportable activity in 3rd quarter due to the prioritization of competing projects.	No Activity This Quarter
43	3012	Distribution Capacitor Banks FY 2017 - 2021	645,000	185,000	0	185,000	0	115,000	In FY 2017, a distribution system study for reactive load support and voltage control will be completed. Based on the finding of the study, distribution system capacitors will be added or relocated and regulators will be installed to ensure integration with other automation projects.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
44	3026	Interactive Voice Response System (IVR)	595,192	370,192	15,250	354,942	0	56,250	In FY 2017, PWP Technology staff will review and implement IVR/IWR system enhancements and modifications to improve customer experience.	Testing in progress for vendor-developed secure customer data exchange between IWR and web-based customer rebates application. Development and redesign of PWP website continued.	Ongoing
45	3186	GT-3 and GT-4 Renewals, Replacements, and Improvements	6,114,200	5,319,262	2,899,494	2,419,768	0	1,665,000	In FY 2017, testing will be performed on GT-3 SCR catalyst to determine remaining useful life. Catalyst and Fuel Nozzles will be replaced. Miscellaneous improvements to Unit GT-3 and GT-4 will be performed on as needed basis.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter

Priority		Project Name	Total Estimated Cost	Appropriation Thru FY 2017	Expenditures Life of Project	Project Balance As of 3/31/2017	CURRENT YEAR Expenditures Year-to-Date	CURRENT YEAR FY 2017 Anticipated Expenditures	FY 2017 Workplan Schedule	Comments	Stage
46	3014	Replacement of Power Plant Instruments and Controls FY 2017 - 2021	355,944	107,649	0	107,649	0	60,000	In FY 2017, instruments and controls will be procured as needed.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
47	3025	Field Services Automation	472,588	252,588	82,009	170,579	0	55,000	In FY 2017, PWP Technology and Customer Service staff will evaluate and request software and hardware upgrades to meter reading handheld devices, water touch probes, electric probes and related meter reading software as needed.	Pending finalized project schedule and total estimated cost from Itron to upgrade Multi-Vendor Reading System (MVRS) to Field Collection System (FCS).	Ongoing
48	3188	Radio Equipment Replacement	1,408,452	1,308,452	682,454	625,998	0	30,000	In FY 2017, additional radios will be purchased as needed.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
49	3158	Power Facility Waste Water Treatment and Disposal	695,536	555,536	35,701	519,835	0	150,000	In FY 2017, the following work will take place: Improve storm drain openings as needed, and recoat GT-3 and GT-4 cooling tower basins to mitigate zinc contamination on wastewater discharge.	No reportable activity in 3rd quarter due to the prioritization of competing projects.	No Activity This Quarter
50	3015	Substation Capacitor Banks FY 2017 - 2021	613,401	183,721	94,995	88,726	94,995	100,000	In FY 2017, crews will replace a second switcher at the Santa Anita Substation to support increasing reactive power for volt-amperes reactive (var) Requirements. VAR is a unit by which reactive power is expressed in an AC electric power system.	Payment was completed for a 34kV capacitor bank switcher used in a replacement project in 1st quarter.	Ongoing
51	3160	Power Supply Integrated Resource Planning and Design	1,043,502	550,166	101,102	449,064	30,000	300,000	In FY 2017, staff will begin work on a new Energy Integrated Resource Plan ("IRP") in the third quarter.	Integrated Resource Planning kick-off meeting held in March 2017.	Ongoing

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52	3143	Fiber Optic Communication System (City and Department)	6,055,912	1,805,912	392,214	1,413,698	72,162	1,250,000	In FY 2017, work on this project will be coordinated with Department of Information Technology.	This project is coordinated with the Department of Information Technology. Design review of West Overbuild Fiber Optic Project completed in 3rd quarter. Scope of project is to install new PWP 144-strand fiber optic cable between Dispatch, Del Mar Substation, Fair Oaks Substation, Brookside Substation, Villa Substation, and City Yards. Additionally, a second route into the new PWP Yards building has been identified for communication redundancy.	Ongoing
53	3179	Azusa Hydro - Renewals and Replacements	3,742,408	1,742,408	635,146	1,107,262	0	550,000	In FY 2017, the main gate, fence, and air compressor/storage building will be upgraded. Miscellaneous renewals and replacements will be addressed as needed.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
54	3149	B-3 SCR Catalyst Replacement	550,000	550,000	0	550,000	0		In FY 2017, the B-3 SCR catalyst will be replaced if the result of sample catalyst test shows that existing catalyst is at the end of its useful life.	No reportable activity in 3rd quarter due to the anticipated decommissioning of B-3.	No Activity This Quarter
55	3193	Energy Reporting System Upgrade	100,000	100,000	23,954	76,046	0		In FY 2017, reporting upgrades and system improvements will be implemented as needed.	No reportable activity in 3rd quarter. Work completed on an as needed basis.	No Activity This Quarter
56	3194	Local Generation Repowering Project - Phase II	134,637,000	134,637,000	131,371,570	3,265,430	3,055,213		In FY 2017, PWP crews and consultants will complete residual construction work for the commission of GT-5.	Incurred payments for legal support, AQMD fees for variance, commissioning activites, noise compliance testing, and progressive billings from major contracts.	Completed

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Technology Projects											
1	71149	Enterprise Resource Planning System (Financial and Human Resources)	7,761,358	7,761,358	6,885,959	875,399	661,001	2,190,000	Remaining activities including testing and training will be completed with an estimated go-live date on the Human Resources and Payroll module in the third quarter of FY 2017.	Phase 2 Human Resources/Payroll planning, design and configuration activities continued in 3rd quarter. The testing strategy was developed including testing scenarios for the first full cycle (parallel) unit testing and began in 4th quarter. Analysis and evaluation of reporting requirements was completed and custom report requirements identified. Evaluation of existing employee labor contracts and salary resolutions for system configuration purposes were also completed.	Ongoing
2	71152	Land Management System (LMS) Replacement	4,866,225	3,585,589	1,454,303	2,131,286	515,619	1,638,838	Detailed analysis and planning for Phase 1 (Tidemark Replacement) was conducted during FY 2016. Phase 1 is anticipated to go-live in the third quarter of FY 2018 with Phase 2 (Online Plan Submission) and Phase 3 (LMS rollout to Public Works and Public Health) analysis occurring in FY 2019.	User Experience Workshops conducted and completed to unveil the system prototype to staff and to receive feedback and comments before configuration begins for the full system in 4th quarter. The Project Change Management Team formed and a citywide change management kick-off meeting was conducted to prepare staff for process and system changes that will occur at the completion of Phase 1 in FY 2018.	Design
3	71157	DoIT Equipment Life Cycle Replacement FY 2015 - 2019	6,673,859	3,968,859	439,132	3,529,727	171,190	1,300,000	In FY 2017, annual system life cycle replacement of hardware and software will continue.	Network Equipment Lifecycle replacements took place for the Public Works and Water & Power departments. Replacement of hardware related to DoIT's virtualization platform for hosting servers began, with anticipated completion in 4th quarter. Planning for replacement of hardware related to DoIT's virtual desktop platform began as well, with replacement commencing in 4th quarter, and continuing into the 1st and 2nd quarters of FY 2018.	Ongoing
4	71158	Police Department - Body Cameras	550,000	550,000	356,205	193,795	356,205	550,000	System planning and implementation is expected to be completed in FY 2017.	Project monitoring and closing continued with project anticipated to close by end of FY 2017.	Ongoing

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5	71161	Enterprise - Electronic Timekeeping & Scheduling System	250,000	250,000	16,480	233,520	16,480	500,000	This project will begin in FY 2017.	Contract awarded for construction and significant steps to configure future version of the software completed. Development of a test strategy and plan by vendor continued. First testing cycle began in 4th quarter.	Design
6	71212	City Fiber Network Expansion	6,955,321	2,485,321	958,711	1,526,610	371,566	1,200,000	This project is a multi-year effort. In FY 2017, work will include implementation of the first phase of network build-out in areas beyond the existing fiber backbone, planning, and implementation of the second phase of the fiber backbone expansion, as well as last mile connections to City facilities, utility and transportation infrastructure, and economic development targets.	Extension of fiber cable and lateral connections for power system automation in the western Pasadena area completed in 3rd quarter. Engineering and pre-implementation planning continued for Phase II of Fiber Backbone Expansion project, which will triple capacity within a 9 mile segment of the Fiber Backbone.	Ongoing
11	71159	Police Mobile Data Computer Replacement	180,000	180,000	0	180,000	0	90,000	In FY 2017, detailed project planning will begin including the development of a schedule for replacement of the MDCs with implementation to follow. The project is expected to be completed in FY 2018.	Eight existing Police vehicles have been equipped with new mobile data computer (MDC) equipment in addition to one new vehicle (Chevy Tahoe) and a replacement vehicle (Crown Vic). Another 42 legacy vehicles are scheduled to be equipped with MDC's throughout FY 2018.	Ongoing
15		Customer Information System (1011 and 3022)	8,510,523	2,279,885	315,699	1,964,186	45,044	1,401,600	In FY 2017, a needs assessment will be initiated for a new CIS system and Request for Proposals will be prepared to obtain a vendor. The current CIS system will be maintained and upgraded as needed.	Request for Proposal for Customer Information System needs assessment was posted in March 2017. Deadline for Proposals is April 13, 2017. Continued testing Vertex and Tyler Munis interface for processing customer bill payments.	Planning
16		Geographic Information System - Water and Power Department (1009 and 3005)	2,532,729	1,917,729	787,146	1,130,583	102,500	175,000	In FY 2017 the work plan includes: web GIS enhancements; Mapplet implementation for iOS; Water Mobile GIS enhancements; ESRI and ArcFM software training.	Procured, configured, and deployed 6 ruggedized mobile GIS laptops for Water Metershop. Testing and user acceptance completed for mobile GIS application upgrades and Mapplet configuration.	Ongoing

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17	3168	Engineering Services Installation/Maintenance of Fiber Optic System FY 2017-2021	693,685	274,119	0	274,119	0	100,000	In FY 2017, crews will complete design, equipment purchases, installation, and testing of splice points to connect distribution automation (DA) equipment to the existing fiber optic system.	No reportable activity in 3rd quarter. Work completed on an as needed basis, per customer requests.	No Activity This Quarter