Notice of a Special Joint Meeting of the
FINANCE COMMITTEE and/or CITY COUNCIL
2:30 p.m. – Monday, April 24, 2017
PASADENA CITY HALL - COUNCIL CHAMBERS ROOM S249

NOTICE IS HEREBY GIVEN that a special joint meeting of the Finance Committee and/or City Council will be held **Monday, April 24, 2017** at **2:30 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 (Three minutes - Limited to items on the agenda.)

C. CONTINUED PUBLIC HEARING: CITY MANAGER'S RECOMMENDED FISCAL YEAR 2018 - 2022 CAPITAL IMPROVEMENT PROGRAM BUDGET

- Sewer & Storm Drains
- Parks & Landscaping
- Arroyo Projects
- Pasadena Center Improvements
- Rose Bowl Improvements
- Technology
- Electric System
- Water System
- Street Lighting and Electrical Undergrounding

D. ADJOURN SPECIAL MEETING

TERRY TORNEK, Mayor
Chair, Finance Committee

This notice was posted at City Hall and distributed as indicated below by 5:30 p.m. on Thursday, April 20, 2017.

Lori Eubanks, Recording Secretary
Finance Committee

Distribution:
City Council
Star-News
City Clerk
Pasadena Journal
Los Angeles Times
City Attorney
La Opinion
Council Chambers Bulletin Board
City Manager
Pasadena Weekly
Main Library
City Hall Front Kiosk

PASADENA

Public Works Department

City of Pasadena
FY 2018 Recommended CIP Budget

Sewers & Storm Drains

Sewers & Storm Drains

Public Works Department

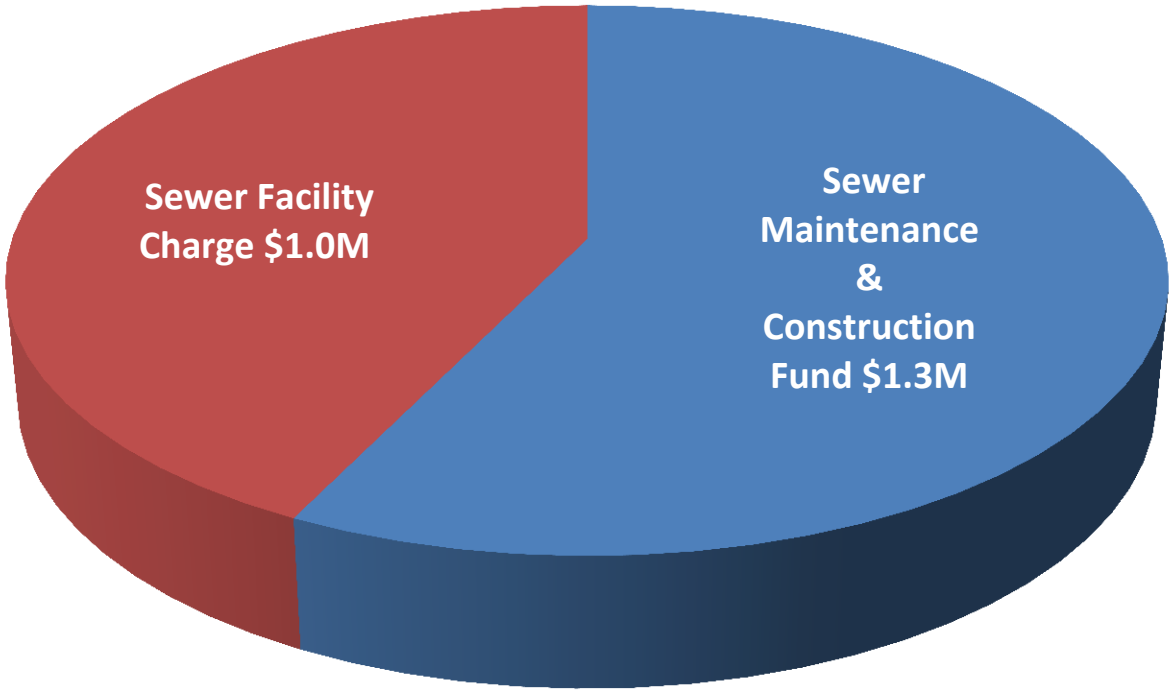
- 7 active projects with total estimated cost of $14.8M
- FY 2018 recommended appropriation: $2.3M
- 1 new project
  - > Sewer Master Plan (page 7.1)

PASADENA

Recommended Funding

Public Works Department

Sewers & Storm Drains - $2.3M



PASADENA

FY 18 Rec. Appropriations

Public Works Department

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
7.1	Sewer Master Plan	3,500,000	0	600,000
7.3	Corrugated Metal Pipe Storm Drain Rehab. FY 2016-2020	1,300,000	700,000	200,000
7.4	Storm Drain Structure Repairs & Improvements FY 2016-2020	660,000	390,000	90,000
7.5	NPDES - Storm Water Pollution Prevention Program	3,920,000	3,170,000	450,000

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FY 18 Rec. Appropriations

Public Works Department

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
7.6	Sewer Capacity Upgrades FY 2016 - 2020	2,700,000	1,100,000	1,000,000
	Total	**12,080,000**	**5,360,000**	**2,340,000**

FY 2018 New Project

Public Works Department

- Sewer Master Plan (page 7.1)
  - > Total estimated cost: $3.5M; $0.6M recommended for appropriation in FY 2018
  - > Phase I: Prepare Sewer Master Plan to evaluate system capacity; identify deficiencies; & evaluate current fees
    - Total estimated cost: $0.6M
  - > Phase II: Televise & identify maintenance needs for two million linear feet of sanitary sewers
    - Total estimated cost: $2.9M

FY 2018 Workplan Highlights

- NPDES – Storm Water Pollution Prevention Program (page 7.5)
  - > Total estimated cost: $3.9M
  - > FY 2018 recommended appropriation: $0.45M
  - > In FY 2018, funding will continue compliance with MS4 permit through:
    - Program management & public outreach
    - Coordinated Integrated Monitoring Program (CIMP)
    - Catch basin retrofit to capture debris
    - Industrial & Commercial Site Inspections

Deferred Maintenance

Public Works Department

- Sewer System
  - > 350 miles of sanitary sewer pipes
  - > Previous Master Plan identified 45,000 ft. with insufficient capacity
  - > Available funds allowed 25% of sewers to be repaired or replaced
  - > $12M needed to complete remaining identified areas

Deferred Maintenance

- Storm Drain System
  - > Pasadena has 89 miles of storm drain lines and 1,200 catch basins
  - > $21.5M needed to complete repairs
  - > Storm water quality standards mandated by National Pollutant Discharge Elimination System (NPDES)
    - 825 catch basins require retrofitting at a cost of $1.6M

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Public Works Department

City of Pasadena
FY 2018 Recommended CIP Budget

Parks & Landscaping

Parks & Landscaping

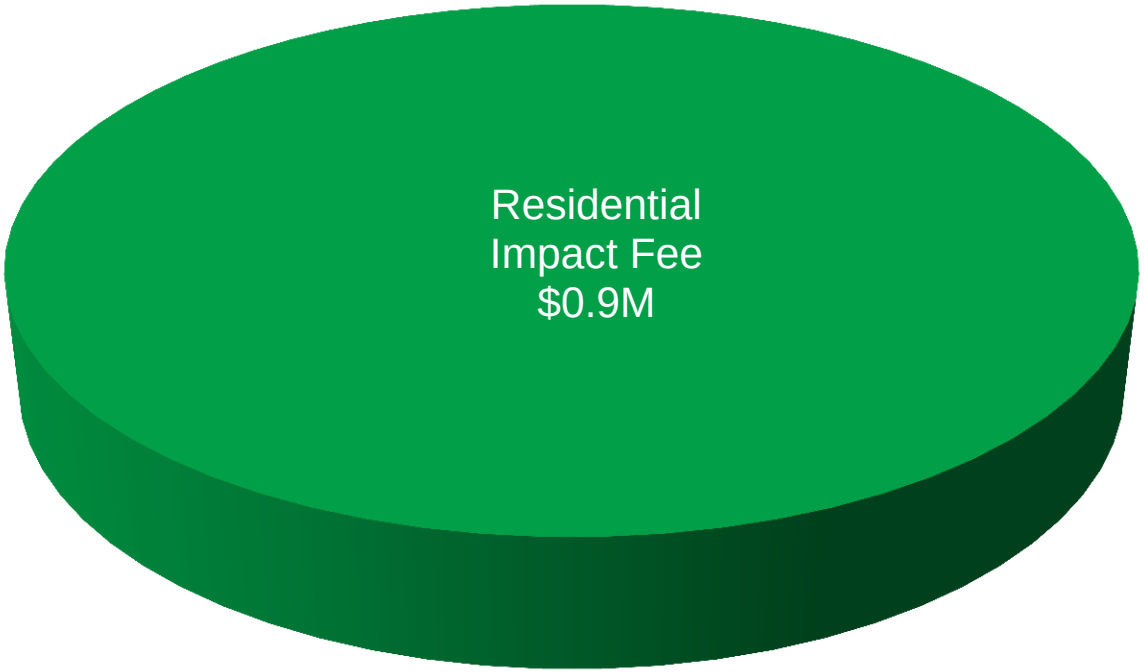
Public Works Department

- Park Projects
  - > 18 active projects with total estimated cost: $40.6M
  - > Appropriated through FY 2017: $33.2M
  - > FY 2018 recommended appropriation: $0.9M
  - > No new projects
- Landscape Projects
  - > 1 active project with total estimated cost: $1.3M
  - > FY 2018 recommended appropriation: $0
  - > No new projects

Recommended Funding

Public Works Department

Park Projects - $0.9M



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FY 2018 Rec. Appropriations

Public Works Department

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
9.5	Soccer Field & Restroom - Muir H.S.	2,300,000	2,000,000	300,000
9.6	Annandale Canyon Open Space Trail Access, Improvements & Park Expansion	596,000	496,000	100,000
9.7	Citywide Sports Facilities Improvements & Installations	3,272,166	1,236,091	150,000

FY 2018 Rec. Appropriations

Public Works Department

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
9.10	Hamilton Park – Various Projects	755,000	175,000	75,000
9.12	Lamanda Park Library Pocket Park – Concept Study & Design	100,000	0	100,000
9.16	Neighborhood Park Development – Union/El Molino – Concept Study	200,000	0	200,000
	Total Parks	**7,223,166**	**3,907,091**	**925,000**

Robinson Park – Recreation Center

Public Works Department

Construction will be Completed in FY 2018

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FY 2018 Workplan Highlights

Public Works Department

- Desiderio Park
  - > Development of New Park (page 9.3)
    - Initial park design including layout of infrastructure & utilities for restroom building will be completed in FY 2018
  - > Park Restroom - (page 9.4)
    - Concept study & design of restroom will continue in FY 2018

FY 2018 Workplan Highlights

Public Works Department

- Citywide Sports Facilities Improvements & Installations (page 9.7)
  - > FY 2018 recommended appropriation: $150,000
  - > Work to be completed in FY 2018:
    - Identify location for pickleball courts
    - Design of basketball courts at McDonald & Eaton-Blanche Parks
    - Complete resurfacing tennis courts & repair fence at Brookside Park
    - Softball field & fence, tennis court fences & basketball court repairs at Grant Park

FY 2018 Workplan Highlights

Public Works Department

McDonald Park Play Equipment Replacement Project will be Completed in FY 2018

FY 2018 Workplan Highlights

Public Works Department

- Lamanda Park Library Pocket Park– Concept Study & Design (page 9.12)
  - > FY 2018 recommended appropriation: $100,000
  - > Design will begin in FY 2018

- Neighborhood Park Development – Union/El Molino – Concept Study (9.16)
  - > FY 2018 recommended appropriation: $200,000
  - > Design will begin in FY 2018

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Public Works Department

City of Pasadena
FY 2018 Recommended CIP Budget

Arroyo Projects

Arroyo Projects

Public Works Department

- Hahamongna
  - > Active projects – 6
  - > Total estimated cost - $5.9M
  - > Recommended appropriation - $0
- Central Arroyo
  - > Active projects – 5
  - > Total estimated cost - $2.8M
  - > Recommended appropriation - $.1M
- Lower Arroyo
  - > Active projects – 2
  - > Total estimated cost - $.38M
  - > Recommended appropriation - $0

Recommended Funding

Public Works Department

Arroyo Projects - $100,000

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FY 2018 Rec. Appropriations

Public Works Department

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
12.2	Brookside Park – Jackie Robinson Baseball Field Improvements	447,478	347,478	100,000
	Total	**447,478**	**347,478**	100,000

FY 2018 Workplan Highlights

Public Works Department

- Brookside Park – Jackie Robinson Baseball Stadium Improvements (page 12.2)
  - > Total estimated cost: $447,478
  - > FY 2018 recommended appropriation: $100,000
  - > Project will be completed in FY 2018

Lower Arroyo – Main Entrance Imp.

Public Works Department

Construction will be Completed in FY 2018 (page 13.2)

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Pasadena Center Operating Company

City of Pasadena
FY 2018 Recommended CIP Budget

Pasadena Center Improvements

Pasadena Center Improvements

Pasadena Center Operating Company

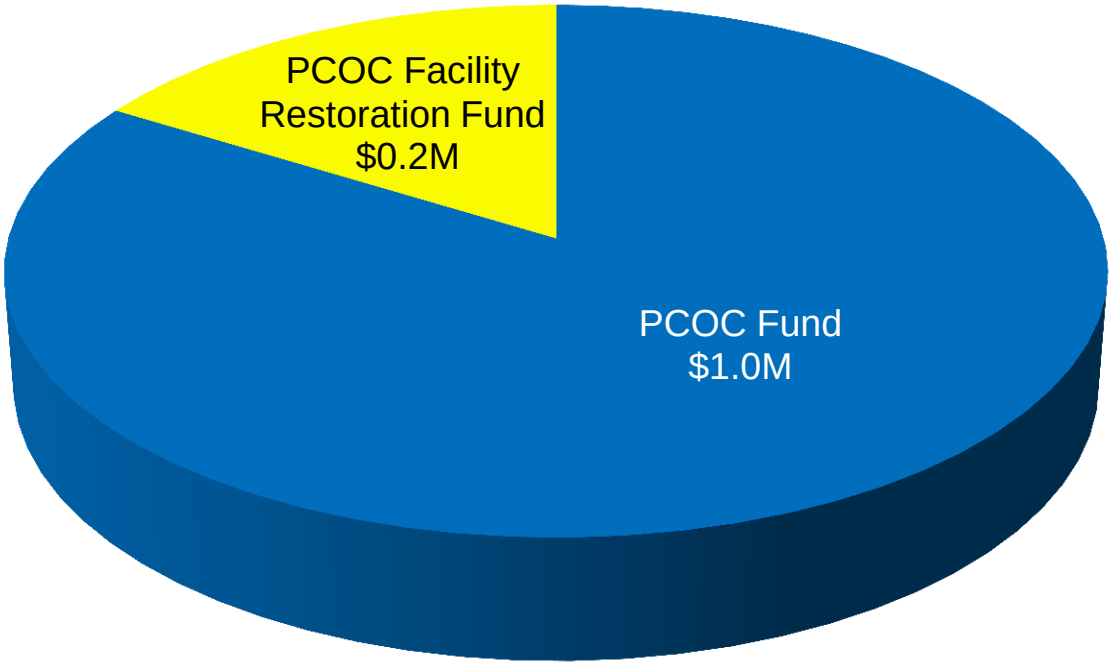
- 5 active projects with a total estimated cost of $11.3M

- FY 2018 recommended appropriation - $1.2M

Recommended Funding

Pasadena Center Operating Company

Pasadena Center Operating Company - $1.2M



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FY 2018 Rec. Appropriations

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
14.1	Restoration & Renovation of Civic Auditorium Exhibition Hall	5,870,000	2,171,000	125,000
14.2	Convention Center Conference Building – Carpet Replacement	500,000	0	500,000
14.3	Restoration, Upgrades & Repairs of the Civic Auditorium, Convention Center & Ice Rink – FY 2018 - 2022	3,200,000	0	600,000
	Total	**9,570,000**	**2,171,000**	**1,225,000**

FY 2018 Workplan Highlights

Pasadena Center Operating Company

- Upgrade electrical system in Hall C
- Replace carpet in Conference Building
- Replace movable walls in Conference Building
- Ongoing repairs/upgrades to Convention Center, Civic Auditorium & Ice Skating Center

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Rose Bowl Operating Company

City of Pasadena
FY 2018 Recommended CIP Budget

Rose Bowl Improvements

Rose Bowl Improvements

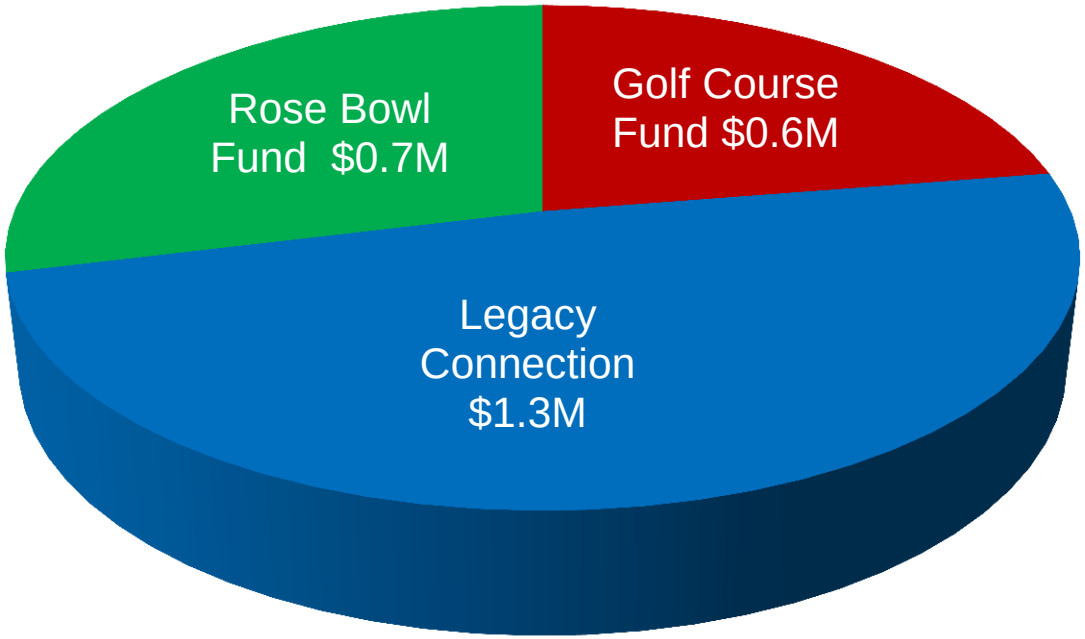
Rose Bowl Operating Company

- 5 active projects with total estimated cost of $190.3M
- FY 2018 recommended appropriation: $2.6M
  - > Changes from printed book
    - Rose Bowl Preventive Maintenance FY 2017 – 2021 – FY 2018 recommended appropriation changed from $763K to $724K
- No new projects

Recommended Funding

Rose Bowl Operating Company

Recommended FY 2018 Funding $2.6M



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FY 2018 Rec. Appropriations

Rose Bowl Operating Company

Page #	Project	Total Est. Cost	App Thru FY 2017	Recomm. FY 2018
8.2	Implementation of Master Plan for Brookside Golf Course – Fairway Improvements	850,000	600,000	250,000
8.3	Rose Bowl - Preventative Maintenance FY 2017 - 2021	3,898,251	720,000	724,000
8.4	Brookside Clubhouse Upgrades - FY 2017 - 2021	550,000	200,000	350,000
8.5	Rose Bowl Major Improvement Projects - FY 2017 - 2021	2,332,000	1,024,000	1,308,000
	Total	**7,630,251**	**2,544,000**	**2,632,000**

FY 2018 Workplan Highlights

Rose Bowl Operating Company

Rose Bowl Renovation Project (page 8.1)

- Project contractually scheduled for substantial completion on or before September 1, 2018

Implementation of Master Plan for Brookside Golf Course – Fairway Improvements (page 8.2)

- Continued work includes cart path improvements, decomposed granite path improvements, and tree planting

Rose Bowl – Preventative Maintenance FY 2017-2021 (page 8.3)

- Annual Stadium repairs and maintenance

FY 2018 Workplan Highlights

Rose Bowl Operating Company

Brookside Clubhouse Upgrades – FY 2017-2021 (page 8.4)

- Upgrades to the Mediterranean room and various clubhouse improvements

Rose Bowl Major Improvement Projects – FY 2017-2021 (page 8.5)

- Ongoing upgrades and improvements to the Rose Bowl facility

PASADENA

Department of Information Technology

City of Pasadena
FY 2018 Recommended CIP Budget

Technology Projects

Technology Projects

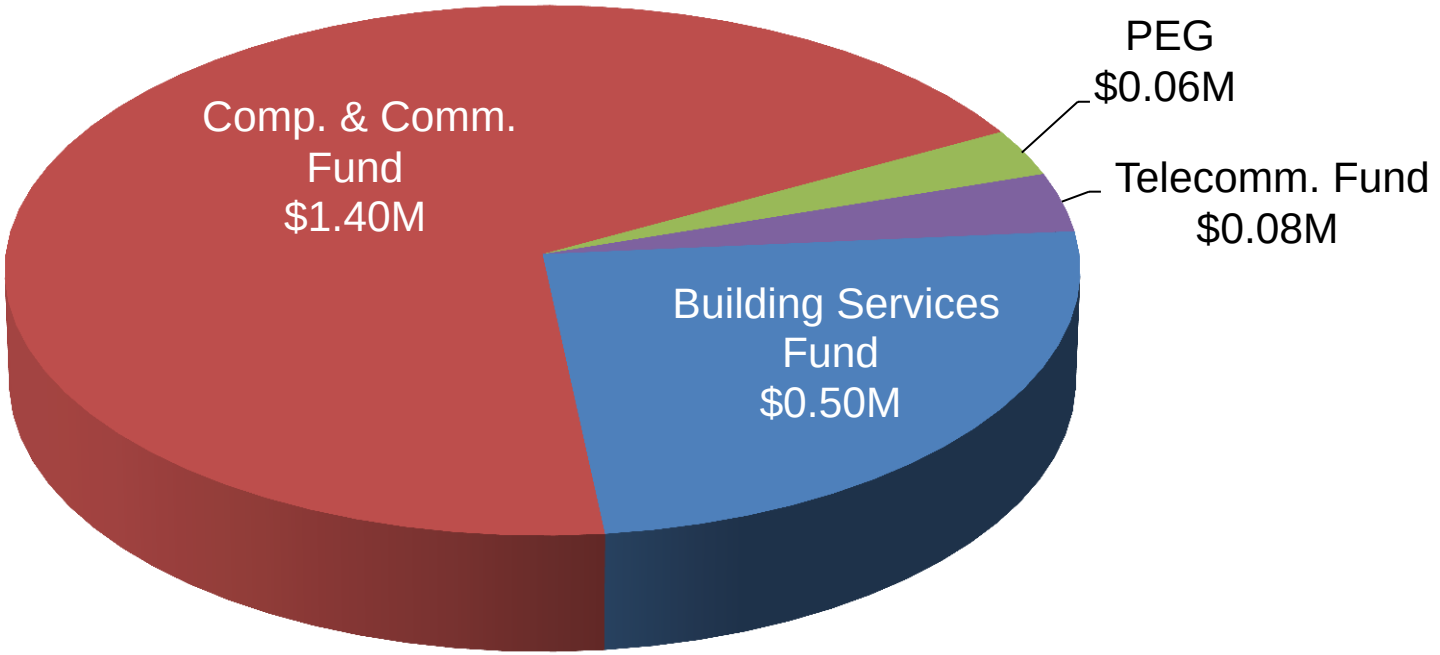
Department of Information Technology

- 14 active with a total estimated cost of $30.1M
- FY 2018 recommended appropriation - $2.1M
- No new projects

Recommended Funding

Department of Information Technology

Technology Projects - $2.1M



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FY 2018 Rec. Appropriations

Department of Information Technology

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
17.3	Land Management System (LMS) Replacement	4,866,225	3,585,589	511,000
17.4	DoIT Equipment Lifecycle Replacement FY 2015 - FY 2019	6,673,859	3,968,859	1,352,500
17.7	City Fiber Network Expansion	6,955,321	2,485,321	825,000

FY 2018 Rec. Appropriations

Department of Information Technology

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
17.8	Enterprise Content Management System	2,000,000	849,000	75,000
17.12	Customer Information System	9,079,885	2,279,885	500,000
	Total	**29,575,290**	**13,168,654**	**3,263,500**

FY 2018 Workplan Highlights

Department of Information Technology

- Enterprise Resource Planning (Financial and Human Resources) (page 17.1)
  - > Replacement & integration of Finance, Budget, Payroll & HR systems for efficient resource management & consistent reporting
  - > Phase 2 – Human Resources/Payroll Module – go live October 2017 in concert with electronic timekeeping system expansion project (page 17.2)

FY 2018 Workplan Highlights

Department of Information Technology

- Land Management System (LMS) Replacement (page 17.3)
  - > Replacement of Tidemark LMS system with a modern, web-based system managing permitting, plan review, code enforcement, inspections, licensing & other community planning activities
  - > Phase 1 – Replacement of Tidemark will be completed & anticipated to go live in third quarter of FY 2018
- DoIT Equipment Lifecycle Replacement (page 17.4)
  - > Network equipment, servers & other technology infrastructure lifecycle replacement

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FY 2018 Workplan Highlights

Department of Information Technology

- City Fiber Network Expansion (page 17.7)
  - > Implementation of second phase of four-year effort to expand capacity in areas beyond existing fiber backbone as part of Fiber Network & Services Strategic Plan
  - > Includes planning & implementation for third phase of fiber backbone expansion, as well as last mile connections to City facilities, utility & traffic management infrastructure & economic development targets

FY 2018 Workplan Highlights

Department of Information Technology

- Enterprise Content Management System (pg. 17.8)
  - > Provides for replacement of documents imaging & records management system
  - > Remaining documents on legacy document management system will be migrated to new system in FY 2018
- Enterprise – Building Security Management (pg. 17.9)
  - > Provides for citywide expansion of Honeywell Building Security Management System in use at PWP facilities
  - > Funding for Police Department facility being allocated via FY 2017 CIP cleanup report

FY 2018 Recommended CIP Budget

Pasadena Water and Power

April 24, 2016

Water System

Water System – Summary

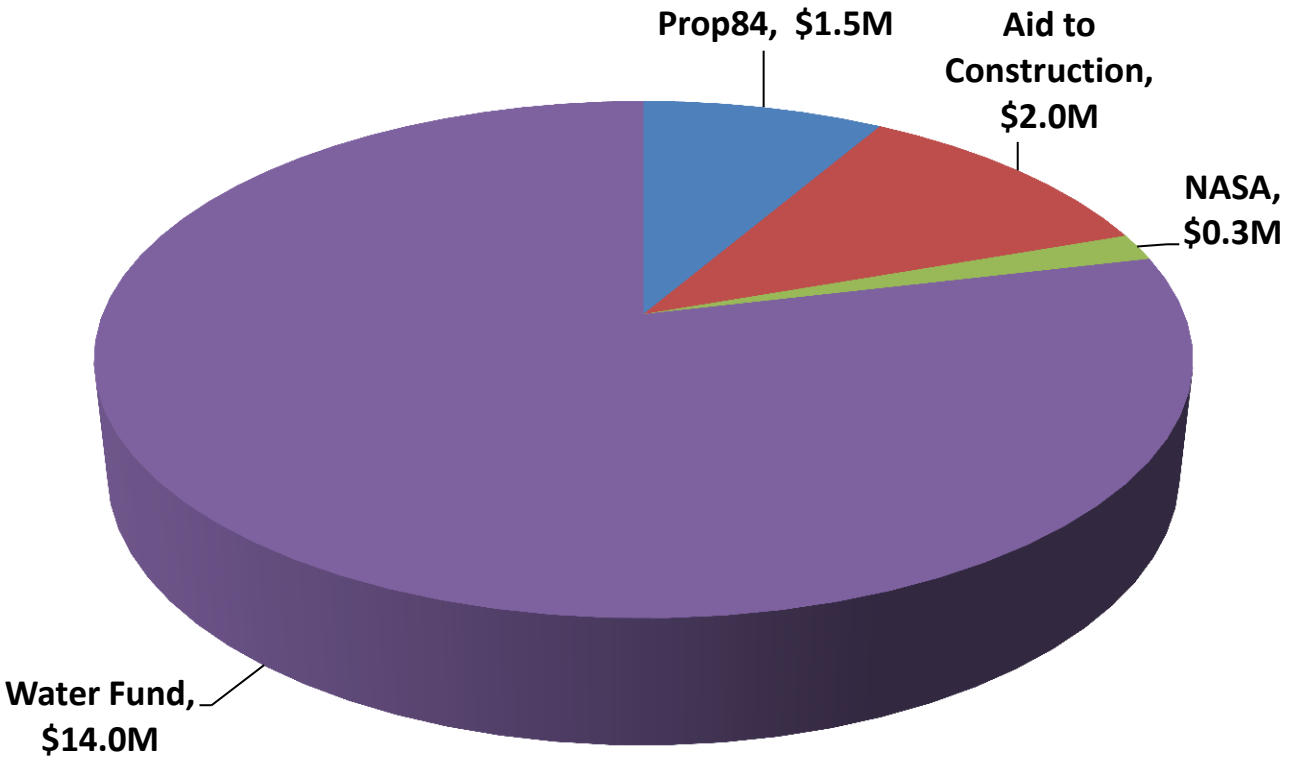
Pasadena Water and Power

- 22 Active Projects with a Total Estimated Project Cost of $160.9 million
- FY 2018 Recommended Appropriation = $17.8 million
  - > Change from $21.8 million request; $4M reduced from Non-Potable Water Project
- 2 New Projects
- 2 Closed Projects

Water – Recommended Appropriations

Pasadena Water and Power

Recommended FY 2018 Appropriations $17.8M



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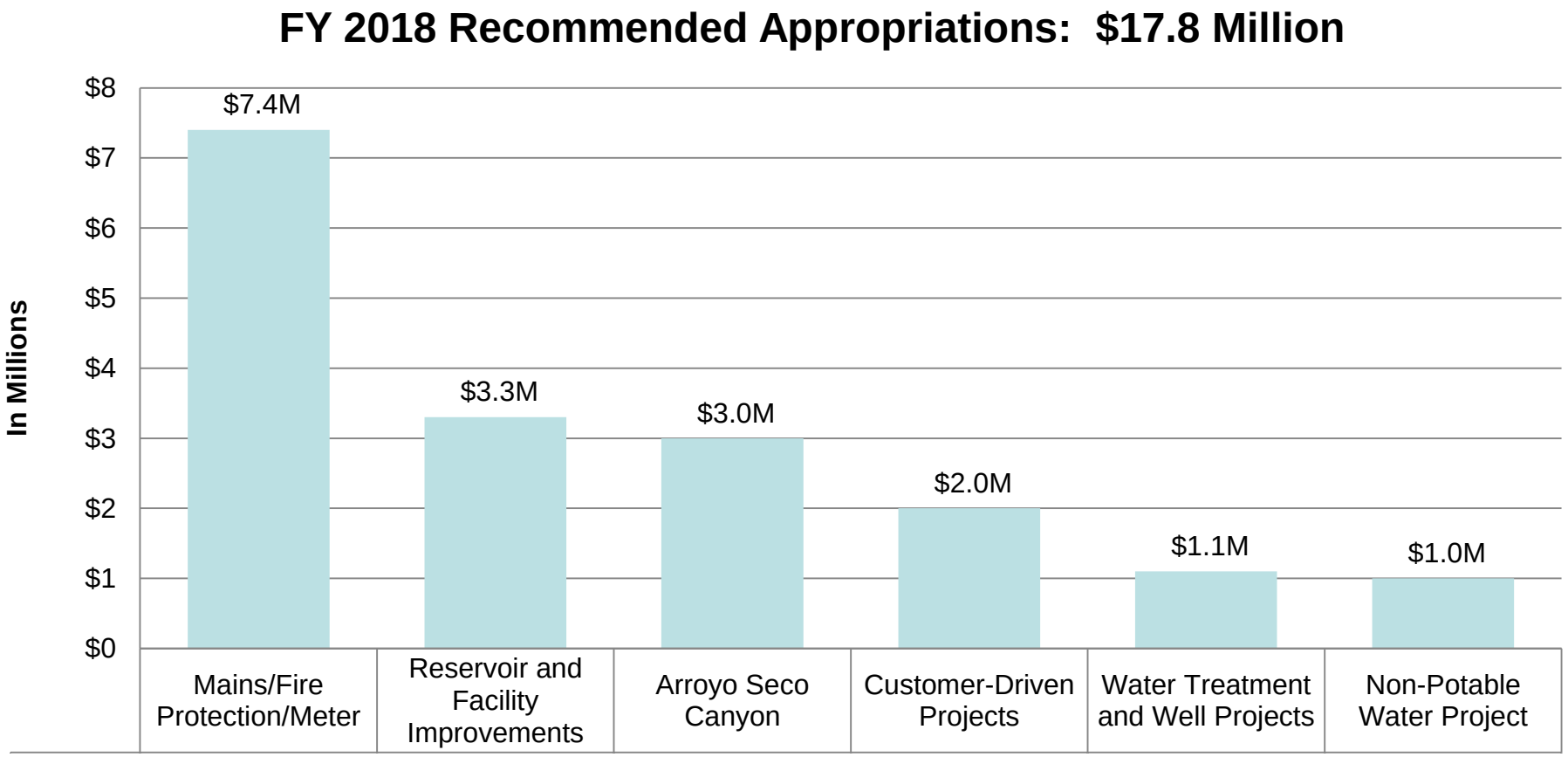
Water – Recommended Appropriations

Pasadena Water and Power



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Water – FY 2018 Rec. Appropriations (1 of 3)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
15.1	Distribution Mains	41,689,997	17,106,797	4,000,000
15.2	Fire Protection System	11,953,856	5,808,056	1,000,000
15.3	Meters and Services	16,694,090	7,894,090	2,300,000
15.4	Booster Improvements	4,450,000	0	2,000,000
15.5	Arroyo Seco Canyon Project	13,677,370	5,727,370	3,000,000

Water – FY 2018 Rec. Appropriations (2 of 3)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
15.6	Non-Potable Water Project	24,951,588	4,851,588	1,000,000
15.7	Well Improvements	2,550,000	0	850,000
15.9	Sunset Reservoir Improvements	12,700,000	0	350,000
15.10	Customer Driven Meters and Services	12,596,107	6,056,107	2,000,000
15.11	Monk Hill GW Treatment	3,300,000	0	300,000

Water – FY 2018 Rec. Appropriations (3 of 3)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
15.12	Water System Master Plan (New)	580,000	0	580,000
15.14	Water SCADA Improvements	1,854,127	604,127	250,000
15.20	Warehouse Modernization	1,706,900	1,606,900	100,000
15.22	Advanced Metering Infrastructure (New)	4,950,000	0	100,000
	Total Appropriations			**17,830,000**

Water System Workplan Highlights

- Distribution Mains (page 15.1)
  - Total Estimated Cost = $41,689,997
  - FY 2018 Recommended Appropriation = $4,000,000
  - Project provides for the installation of new and replacement water distribution mains, installation of gate valves, water services, hydrants, and asphalt or concrete patching/resurfacing. New and replacement mains are required to fulfill increasing service demand, capacity needs, and upgrades to aging infrastructure to ensure system operating efficiency.

Water System Workplan Highlights

Pasadena Water and Power

- Non Potable Water Project (page 15.6)
  - Total Estimated Cost = $24,951,588
  - FY 2018 Recommended Appropriation = $1,000,000
  - Project provides for the installation of approximately 4.5 miles of 20” pipeline from Scholl Canyon in Glendale to the Art Center College, Brookside Golf Course, and Brookside Park. Non-potable water will be used to augment fresh water supplies through its use for golf courses, freeway landscaping, parks, schools, large turf areas, and industrial processes.

Capital Needs - Water System

Water Master Plan Replacement Goal

Measure	Current Master Plan Goal	FY 2018 Workplan	Capital Need
Water Main Replacement	8 miles/year	3 miles/year	5 miles/year

- Total distribution system = 520 miles of pipe
- 80 miles of pipe are dated pre-1930s (87+ years old)
- Estimated useful life = 100 years requires replacement of 5 miles of main replacement each year
- 5 miles of main replacement costs = $8M per year

Electric System

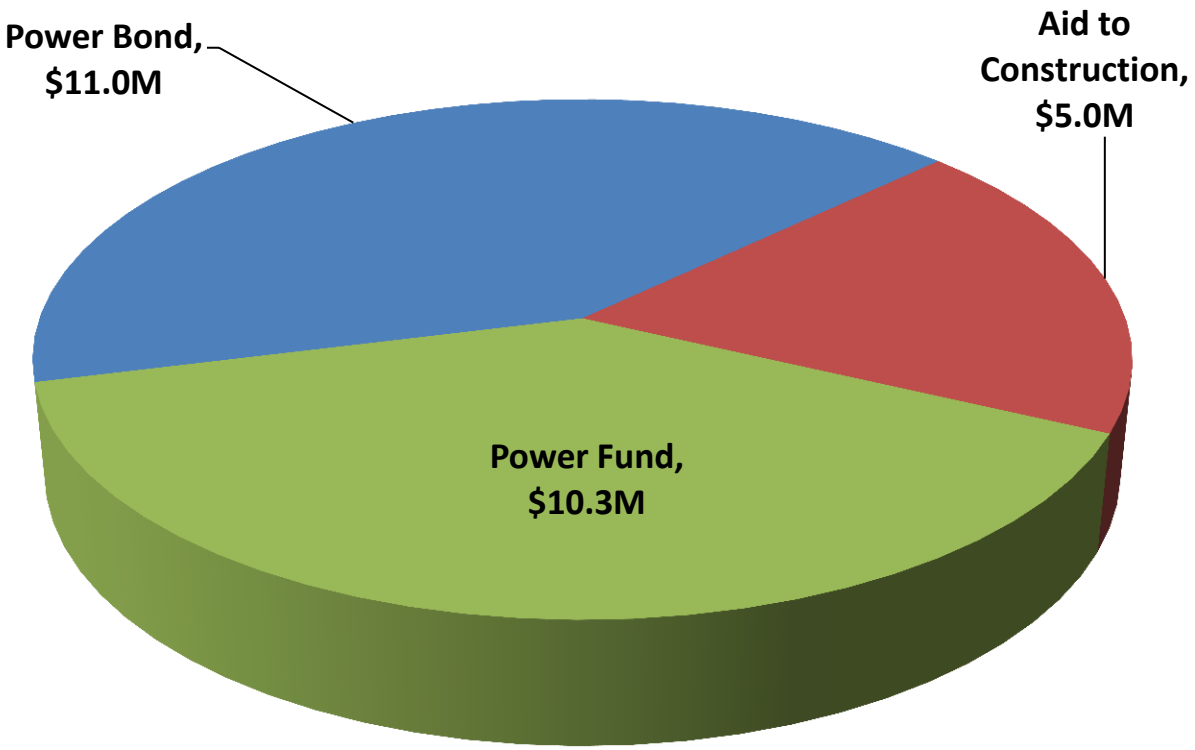
Electric System – Summary

- 49 Active Projects with a Total Estimated Project Cost of $318.6 million
- FY 2018 Recommended Appropriation = $26.3 million
- 8 Closed Projects

Electric – Recommended Appropriations

Pasadena Water and Power

Recommended FY 2018 Appropriations $26.3M



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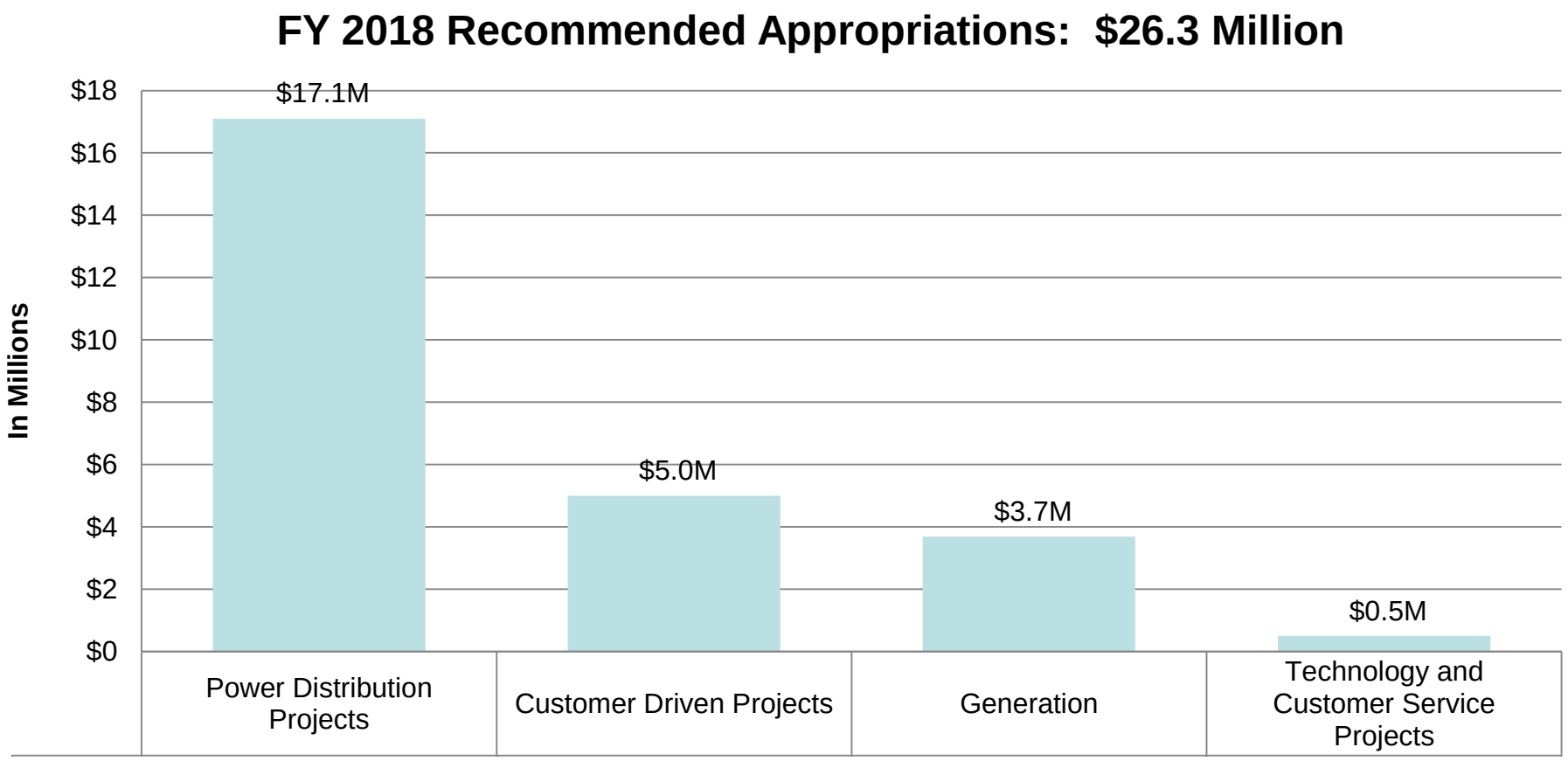
Electric – Recommended Appropriations

Pasadena Water and Power



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Electric – FY 2018 Rec. Appropriations (1 of 6)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
16.1	Power Distribution Capacity and Reliability Program	32,947,690	23,947,690	1,000,000
16.2	Cable Replacement and Testing	17,226,206	6,226,206	2,500,000
16.3	Installation of Low Voltage Services	12,500,000	0	2,500,000
16.4	Installation of High Voltage Services	12,500,000	0	2,500,000

Electric – FY 2018 Rec. Appropriations (2 of 6)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
16.5	4kV Distribution System Conversion	32,215,067	16,215,067	3,500,000
16.6	Distribution System Expansion	25,768,659	7,268,657	4,000,000
16.8	Replacement and Upgrade of Electrical Substructures	13,228,718	3,978,718	2,000,000
16.9	Customer Information System	6,414,300	1,314,300	500,000

Electric – FY 2018 Rec. Appropriations (3 of 6)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
16.10	Power Transmission Program	4,694,182	2,544,182	1,000,000
16.11	Substation and Dispatch Facilities	5,151,023	1,751,023	1,300,000
16.14	GT-3 and GT-4 Upgrades and Replacements	6,488,393	3,328,393	1,000,000
16.16	Wood Utility Pole Replacement	5,326,645	2,826,645	500,000

Electric – FY 2018 Rec. Appropriations (4 of 6)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
16.17	Substation Control and Protection Upgrades	2,000,000	0	400,000
16.18	Power Production Facilities	2,999,731	1,344,731	800,000
16.21	Customer Load Research Program	2,317,736	1,567,736	150,000
16.22	Power Facility Waste Water Treatment /Disposal	895,536	555,536	200,000

Electric – FY 2018 Rec. Appropriations (5 of 6)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
16.24	Citywide Fiber Optic Communication	6,555,912	1,805,912	1,250,000
16.25	Power Supply Integrated Resource Planning & Design	1,743,502	743,502	300,000
16.26	Facility Security Systems	4,054,643	3,454,643	100,000
16.27	SCADA System Expansion	3,719,801	1,619,801	100,000

Electric – FY 2018 Rec. Appropriations (6 of 6)

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
16.38	Redevelopment of Generation Site	400,000	200,000	200,000
16.44	Replacement of Power Plant Instruments	442,920	172,920	30,000
16.45	Distribution System GIS Enhancement	8,221,075	4,921,075	300,000
16.49	Recycling of Collected Rain Water	581,796	261,796	160,000
	Total Appropriations			**26,290,000**

PASADENA

Electric System Workplan Highlights

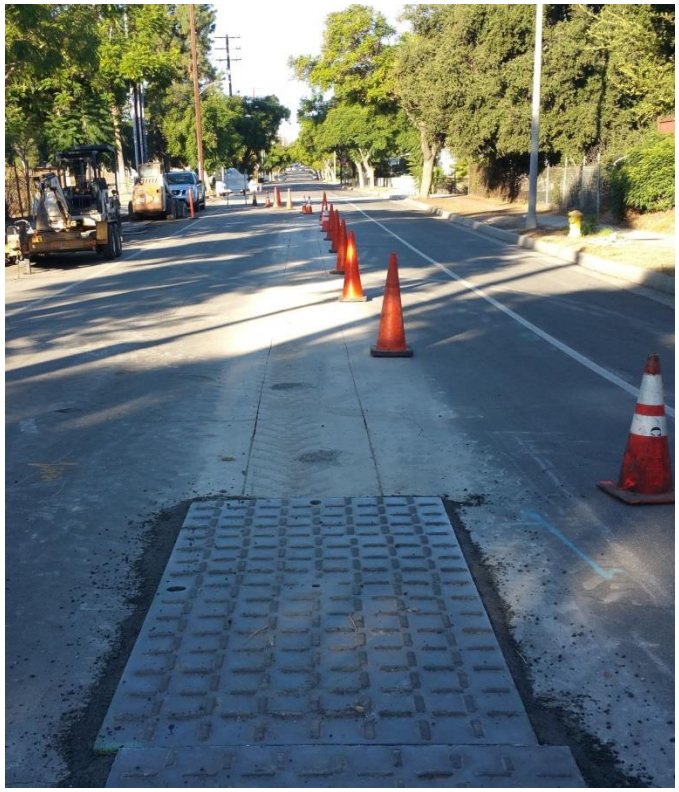
Pasadena Water and Power

- 4kV Distribution System Conversion (page 16.5)
  - Total Estimated Cost = $32,215,067
  - FY 2018 Recommended Appropriation = $3,500,000
  - Additional electrical loads resulting from new construction, renovation, and upgrades can jeopardize the integrity of the system, resulting in voltage fluctuations and outages. This project proactively identifies target 4kV circuits and converts to 17kV circuits.

Electric System Workplan Highlights

Pasadena Water and Power

- Distribution System Expansion (page 16.6)
  - Total Estimated Cost = $25,768,657
  - FY 2018 Recommended Appropriation = $4,000,000
  - Project provides for cable, equipment, metering, and substructures, to expand the electrical system into areas of growth, and increase system reliability that is not directly attributable to any one particular development.



Capital Needs - Electric Distribution

Electric Distribution Master Plan Goal

Measure	Current Master Plan Goal	FY 2018 Workplan	Capital Need
Vault Replacement	25/year	10/year	15/year

- 6,086 underground vaults in electric distribution system
- Average useful life for underground vault is 60 years
- Vaults replaced or repaired based on prioritization

PASADENA

Pasadena Water and Power

Street Lighting and Electrical System Undergrounding

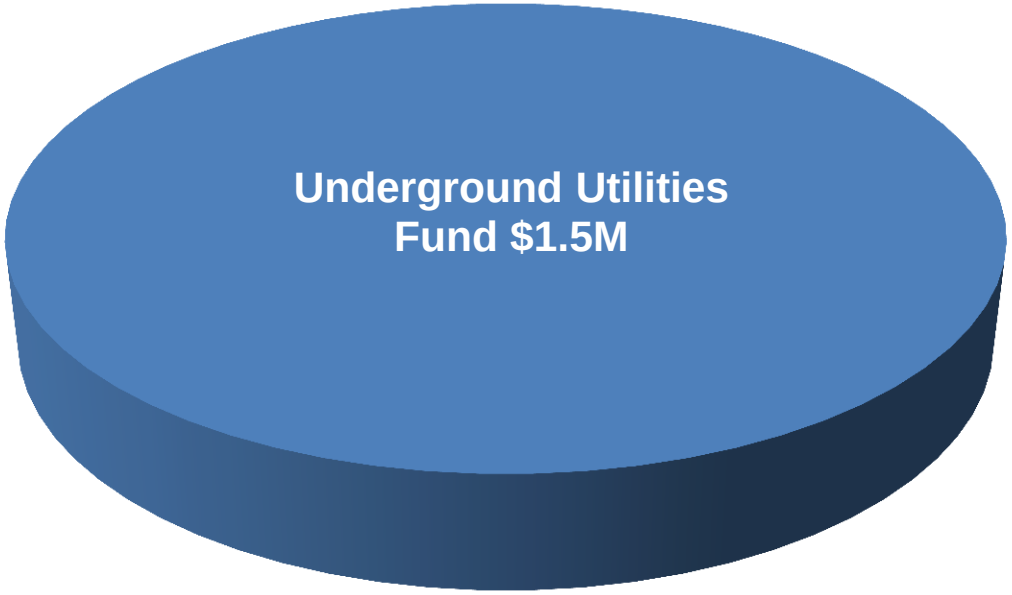
Undergrounding System - Summary

- 5 Active Projects with a Total Estimated Project Cost of $39.7 million
- FY 2018 Recommended Appropriation = $1.5 million
  - > Change from $1.85 million request; $0.3M removed from Mountain Street district

Undergrounding - Recommended Funding

Pasadena Water and Power

Recommended FY 2018 Appropriations $1.5M

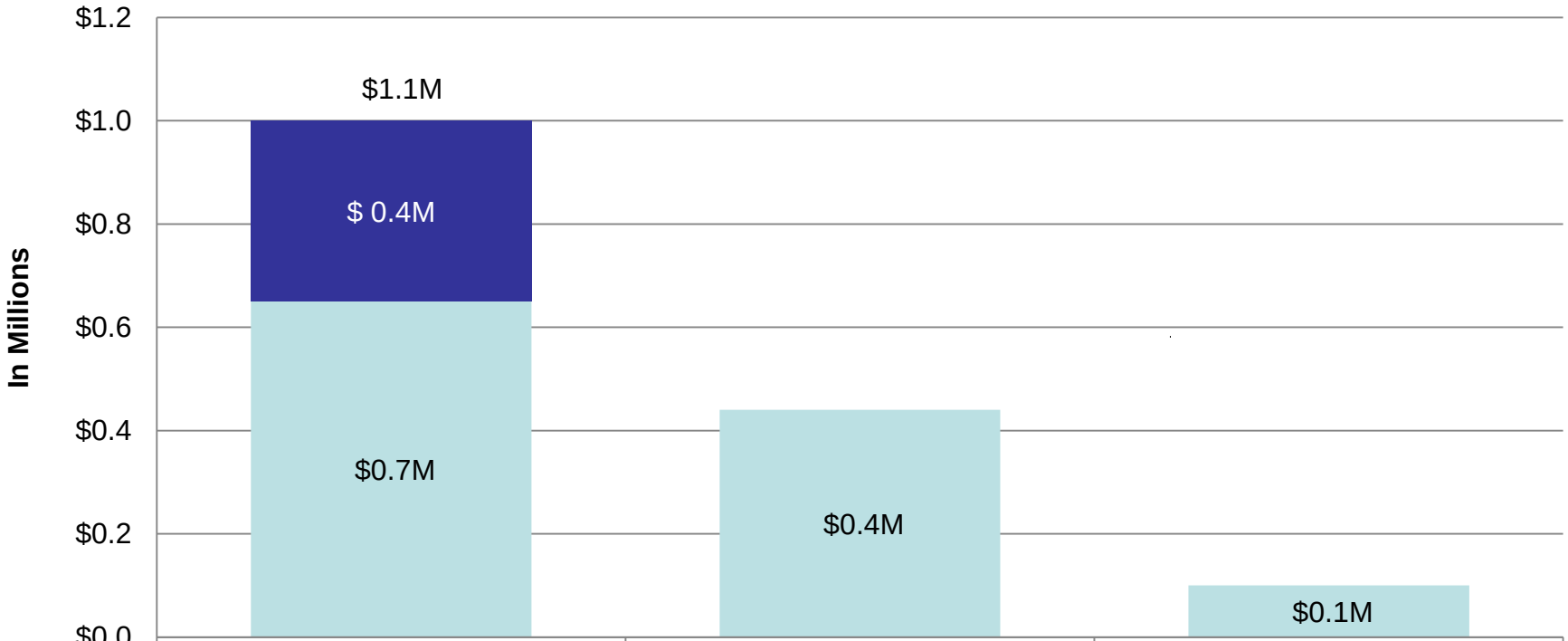


PASADENA

Undergrounding - Recommended Funding

Pasadena Water and Power

FY 2018 Recommended Undergrounding CIP Funding: $1.5 million



	Alpine Avenue	Hill Avenue	Outside Established Districts
Public Works	0.4	-	-
PWP	0.7	0.4	0.1

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Undergrounding – FY 2018 Appropriations

Pasadena Water and Power

Page #	Project	Total Est Cost	App Thru FY 2017	Recomm. FY 2018
4.1	Outside of Established Districts	500,000	100,000	100,000
4.2	Hill Avenue	4,525,000	4,100,000	425,000
4.3	Alpine Street	2,700,000	1,700,000	1,000,000
4.4	Mountain Street	8,325,000	4,800,000	0
4.5	Raymond Street	23,600,000	0	0
	TOTAL	**39,650,000**	**10,700,000**	**1,525,000**

Note: Mountain Street and Raymond Street projects on hold pending Council decision.