

**FY 2017 - 2021 Capital Improvement Program
Totals by Category**

Description	Total Estimated Costs	Appropriated Through FY 2016	Recommended FY 2017	Proposed FY 2018	Proposed FY 2019	Proposed FY 2020	Proposed FY 2021 and Beyond
Municipal Buildings and Facilities	8,884,444	1,494,444	1,250,000	1,000,000	1,000,000	1,000,000	3,140,000
Streets and Streetscapes	61,662,610	22,568,260	3,924,500	10,975,000	3,422,000	3,150,000	17,622,850
Street Lighting	3,073,493	608,386	160,107	35,000	35,000	35,000	2,200,000
Street Lighting and Electric Undergrounding	39,802,000	1,000,000	10,700,000	8,857,000	8,875,000	4,400,000	5,970,000
Transportation	73,195,186	30,181,804	7,148,816	4,554,763	2,845,548	608,174	27,856,081
Parking	31,715,000	4,260,366	1,000,000	2,764,000	3,804,000	0	19,886,634
Sewers and Storm Drains	11,382,400	4,165,302	2,040,000	1,440,000	1,440,000	1,240,000	1,057,098
Rose Bowl Improvements	188,091,251	183,000,000	1,874,000	763,847	786,763	810,365	856,276
Parks and Landscaping - Park Projects	36,356,789	25,753,868	2,695,000	2,213,757	75,000	75,000	5,544,164
Parks and Landscaping - Landscape Projects	1,400,000	0	400,000	0	0	0	1,000,000
Arroyo Projects - Hahamongna	7,180,263	4,765,663	0	0	0	0	2,414,600
Arroyo Projects - Central Arroyo	2,033,478	633,478	1,400,000	0	0	0	0
Arroyo Projects - Lower Arroyo	379,200	379,200	0	0	0	0	0
Pasadena Center Improvements	11,040,000	2,461,000	1,670,000	700,000	1,910,000	200,000	4,099,000
Water System	115,810,591	38,558,877	7,820,090	16,460,650	32,575,088	12,405,615	7,990,271
Electric System	426,544,797	234,456,710	17,621,449	36,392,910	47,422,910	44,437,909	46,212,909
Technology Projects	34,755,730	10,535,125	3,809,369	3,313,500	3,303,500	1,308,636	12,485,600
Grand Total	1,053,307,232	564,822,483	63,513,331	89,470,427	107,494,809	69,670,699	158,335,483

Totals by Category

Exhibit B

Recommended FY 2017 - 2021 Capital Improvement Program

Total Estimated Cost	Recommended FY 2017	Funding Detail
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Municipal Buildings and Facilities

1	Building Preventative Maintenance FY 2016 - 2020 (71902)	5,284,444	1,000,000	1,000,000	Building Preventative Maintenance Fund
4	Hale Building Interior Remodel - Design Phase	250,000	250,000	250,000	Building Services Fund

Municipal Buildings and Facilities Total Appropriations:

1,250,000

Streets and Streetscapes

2	Resurfacing and Slurry Seal FY 2017 / 2018	1,799,500	1,799,500	512,000	Sewer Maintenance and Construction Fund
				1,287,500	Gas Tax
5	Preventive Maintenance - Curbs and Gutters FY 2017 / 2018	300,000	300,000	300,000	Sewer Maintenance and Construction Fund
6	Pedestrian Accessibility FY 2017 / 2018	250,000	250,000	250,000	Community Development Block Grant
8	Citywide Sidewalk Improvements (73913)	17,000,000	1,250,000	250,000	Community Development Block Grant
				1,000,000	General Fund
10	Drainage Improvements on Streets with Flat Grades FY 2016 - 2020 (73910)	1,050,000	200,000	200,000	Sewer Maintenance and Construction Fund
11	Installation/Replacement of Guard Rails FY 2016 - 2020 (73911)	190,000	35,000	35,000	Gas Tax
12	Preventive Maintenance - Bridges FY 2017 - 2020	200,000	50,000	50,000	Gas Tax
14	Old Pasadena Tree Grates and Frames (73912)	240,000	40,000	40,000	Parking Meter Revenue - Old Pasadena

Streets and Streetscapes Total Appropriations:

3,924,500

Street Lighting

1	In-Fill Street Lighting and Repair and/or Replacement of Existing Street Lighting Systems FY 2016 - 2020 (74413)	248,386	35,000	35,000	Gas Tax
2	Street Lighting - Various Development Projects (74414)	625,107	125,107	125,107	Private Capital

Street Lighting Total Appropriations:

160,107

Street Lighting and Electric Undergrounding

1	Electric System Undergrounding Outside Established Undergrounding Districts - FY 2017 - 2021	500,000	100,000	100,000	Underground Utilities Fund
3	Hill Avenue - Electrical System Undergrounding, Villa Street to North City Limits	4,100,000	4,100,000	1,500,000	Underground Utilities Fund - Power Facilities
				2,600,000	Underground Utilities Fund - Public Works
4	Alpine Street - Electrical System Undergrounding, Marengo Avenue to El Molino Avenue	2,277,000	1,700,000	1,700,000	Underground Utilities Fund - Power Facilities

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		Total Estimated Cost	Recommended FY 2017	Funding Detail
5	Mountain Street - Electrical System Undergrounding, Lake Avenue to Hill Avenue	8,325,000	4,800,000	800,000 Underground Utilities Fund - Public Works 4,000,000 Underground Utilities Fund - Power Facilities
Street Lighting and Electric Undergrounding Total Appropriations:		10,700,000		
Transportation				
1	Pasadena Bicycle Program FY 2016 - 2020 (75075)	555,000	80,000	80,000 Bicycle Transportation Account
3	Pedestrian Crossing Enhancements Program (75083)	630,000	75,000	75,000 Measure R Transportation Fund
7	Complete Streets Project - Cordova Street from Hill Ave to Arroyo Parkway (75052)	2,726,613	2,115,000	2,115,000 MTA Grant - State Transportation Improvement Program - TE
11	Complete Streets Project - Union Street Cycle Track - Phase I	6,500,000	934,477	745,477 Metropolitan Transportation Authority 189,000 Measure R Transportation Fund
19	Mobility Corridor Improvements FY 2016 - 2020 (75079)	274,000	50,000	50,000 Traffic Reduction Fee
22	Old Pasadena Traffic Improvement - FY 2016 - 2020 (75080)	150,000	30,000	30,000 Parking Meter Revenue - Old Pasadena
23	Safety Enhancements at Lincoln Ave/Forest Ave and Lincoln Ave/Mountain St	1,275,000	75,000	75,000 Measure R Transportation Fund
24	Left Turn Signal Phasing at Fair Oaks Ave and Colorado Blvd	160,000	160,000	40,000 Old Pasadena Parking Fund 120,000 Traffic Reduction Fee
25	Mobility Corridors - Rose Bowl Access Systems (75084)	1,623,000	1,298,000	1,298,000 Metropolitan Transportation Authority
38	Purchase of 8 Replacement Transit Vehicles and 4 Expansion Fixed-Route Transit Vehicles (75085)	6,364,753	2,331,339	1,364,577 MTA Grant - Federal Flexible CMAQ Funds 966,762 Proposition A/C Local Return Funds
Transportation Total Appropriations:			7,148,816	
Parking				
1	DeLacey, Schoolhouse, and Marriott Garage Improvements - FY 2015 - FY 2019 (72151)	1,408,000	250,000	250,000 Off-Street Parking Facilities Fund
2	Paseo, Marengo, Los Robles Parking Garage Improvements - FY 2015 - FY 2019 (72152)	6,737,000	250,000	250,000 Off-Street Parking Facilities Fund
3	Holly Street Parking Garage Improvements FY 2015 - FY 2019 (72153)	1,549,000	125,000	125,000 Off-Street Parking Facilities Fund
4	Del Mar Station Garage Improvements - FY 2015 - FY 2019 (72154)	1,079,000	125,000	125,000 Off-Street Parking Facilities Fund
5	Plaza Las Fuentes Parking Garage Improvements FY 2015 - FY 2019 (72155)	942,000	250,000	250,000 Off-Street Parking Facilities Fund
Parking Total Appropriations:			1,000,000	

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Recommended FY 2017 - 2021 Capital Improvement Program

**Total
Estimated Cost Recommended
FY 2017 Funding Detail**

Sewers and Storm Drains

1	Preventive Maintenance - Sewer System FY 2017 - 2020	2,000,000	200,000	200,000	Sewer Maintenance and Construction Fund
2	Preventive Maintenance - Corrugated Metal Pipe Storm Drains FY 2016 - 2020 (76907)	1,300,000	400,000	400,000	Sewer Maintenance and Construction Fund
3	Storm Drain Structure Repairs and Improvements FY 2016 - 2020 (76908)	660,000	90,000	90,000	Sewer Maintenance and Construction Fund
4	NPDES - Storm Water Pollution Prevention Program (76290)	3,720,000	750,000	750,000	Sewer Maintenance and Construction Fund
5	Sewer Capacity Upgrades - FY 2016 - 2020 (76909)	2,000,000	600,000	600,000	Sewer Facility Charge
Sewers and Storm Drains Total Appropriations:				2,040,000	

Rose Bowl Improvements

2	Implementation of the Master Plan for the Brookside Golf Course - Fairway Improvements	600,000	300,000	300,000	Golf Course Fund
3	Rose Bowl - Preventative Maintenance FY 2017 - 2021	3,937,251	720,000	720,000	Rose Bowl Fund
4	Brookside Clubhouse Upgrades - FY 2017	200,000	200,000	200,000	Golf Course Fund
5	Rose Bowl Major Improvement Projects - FY 2017	654,000	654,000	654,000	RBOC Unrestricted Reserve Funds
Rose Bowl Improvements Total Appropriations:				1,874,000	

Parks and Landscaping - Park Projects

1	Robinson Park - Recreation Center Renovation Project (78043)	11,400,000	500,000	500,000	Residential Impact Fee
4	Desiderio Park - Development of New Park (78054)	3,400,000	500,000	500,000	Proposition A (Parks) - Cities Excess Funds
5	Restroom Bldgs (Replace or Construct)-Jefferson, McDonald, Allendale, Victory, Grant, Villa, Singer, Eaton-Blanche, Memorial, Hamilton Parks (78038)	7,219,623	1,000,000	1,000,000	Residential Impact Fee
9	Citywide Sports Facilities Improvements (78044)	2,372,166	620,000	620,000	Residential Impact Fee
13	Pocket Park Planning - Citywide FY 2016 - 2020 (78076)	375,000	75,000	75,000	Residential Impact Fee
Parks and Landscaping - Park Projects Total Appropriations:				2,695,000	

Parks and Landscaping - Landscape Projects

1	Tree Replacement/Planting - Citywide FY 2017 - 2021	1,400,000	400,000	400,000	State Environmental Enhancement Mitigation Grant
Parks and Landscaping - Landscape Projects Total Appropriations:				400,000	

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	Total Estimated Cost	Recommended FY 2017	Funding Detail
Arroyo Projects - Central Arroyo			
1	1,400,000	1,200,000	1,200,000 Legacy Connections - Rose Bowl Legacy Campaign
2	347,478	100,000	100,000 Residential Impact Fee
4	100,000	100,000	100,000 Residential Impact Fee
Arroyo Projects - Central Arroyo Total Appropriations:			1,400,000
Pasadena Center Improvements			
1	5,870,000	1,000,000	1,000,000 Pasadena Center Operating Company
2	1,060,000	270,000	270,000 Pasadena Center Operating Co - Facility Restoration Fund
3	900,000	400,000	400,000 Pasadena Center Operating Co - Facility Restoration Fund
Pasadena Center Improvements Total Appropriations:			1,670,000
Water System			
1	16,141,080	1,600,000	1,600,000 CIC Funding
2	6,516,981	650,000	650,000 CIC Funding
3	12,442,870	2,300,000	1,510,000 CIC Funding 790,000 Proposition 84
6	10,344,746	125,000	125,000 CIC Funding
7	1,115,674	400,000	400,000 CIC Funding
8	8,617,823	1,300,000	1,300,000 CIC Funding
11	5,332,583	500,000	500,000 Aid to Construction (Water)
12	472,556	100,000	100,000 CIC Funding
13	1,275,113	595,090	595,090 Water Fund
20	2,525,880	250,000	250,000 CIC Funding
Water System Total Appropriations:			7,820,090
Electric System			
1	24,501,587	3,800,000	3,800,000 Power Fund

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		Total Estimated Cost	Recommended FY 2017	Funding Detail
3	4 kV Distribution System Conversion FY 2017 - 2021 (3191)	20,987,685	2,000,000	2,000,000 Power Fund
6	Services from Utility Underground System Private Property Vaults FY 2017 - 2021 (3001)	14,727,293	2,500,000	2,500,000 Aid to Construction (Power)
7	Cable Replacement and Testing FY 2017 - 2021 (3137)	12,956,626	250,000	250,000 Power Fund
8	Distribution System Expansion FY 2017 - 2021 (3002)	10,526,073	800,000	800,000 Power Fund
10	Services from Public Right-Of-Way FY 2017 - 2021 (3023)	13,653,093	2,500,000	2,500,000 Aid to Construction (Power)
13	Enterprise Resource Plan (ERP) - Electric System (3207)	4,661,458	2,211,449	2,211,449 Power Fund
14	Seismic Upgrade of Power Facilities FY 2017 - 2021 (3196)	6,109,021	200,000	200,000 Power Fund
15	Replacement and Upgrade of Electric Equipment and Facilities FY 2017 - 2021 (3185)	10,087,400	1,200,000	1,200,000 Power Fund
18	Distribution System Life Cycle Management FY 2017 - 2021 (3034)	3,898,492	750,000	750,000 Power Fund
21	Wood Utility Pole Replacement/Reinforcement Program FY 2017 - 2021 (3117)	2,905,133	60,000	60,000 Power Fund
22	Supervisory Control and Data Acquisition System Expansion FY 2017 - 2021 (3073)	2,798,401	50,000	50,000 Power Fund
23	Substation and Dispatch Facilities Improvements FY 2017 - 2021 (3181)	8,645,453	200,000	200,000 Power Fund
24	B-3 Renewals, Replacements, and Improvements (3148)	2,717,657	100,000	100,000 Power Fund
29	Economic Rehabilitation of Properties (3133)	2,142,016	70,000	70,000 Power Fund
30	Power Production Facility Improvements (3180)	2,232,773	300,000	300,000 Power Fund
32	Project Work Management System - Water and Power Department (3140)	4,364,767	200,000	200,000 Power Fund
33	Customer Information System (3022)	5,920,938	250,000	250,000 Power Fund
40	Customer Load Research Program (3109)	1,967,736	150,000	150,000 Power Fund
42	Time-of-Use Metering Infrastructure - Advanced Metering Infrastructure (AMI) (3142)	16,056,413	30,000	30,000 Power Fund
			17,621,449	

Electric System Total Appropriations:

Technology Projects			
1	Enterprise Resource Planning System (Financial and Human Resources) (71149)	7,316,358	790,814
			57,969 Refuse Fund
			532,149 General Fund
			10,666 Pasadena Housing Authority Fund
			1,582 General Liability Fund
			4,258 Worker's Compensation Fund
			1,113 Benefits and Insurance Fund

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	Total Estimated Cost	Recommended FY 2017	Funding Detail
			30,360 Fleet Maintenance Fund
			20,017 Computing and Communication Fund
			9,441 Building Services Fund
			26,715 Off-Street Parking Facilities Fund
			8,410 Other Housing Funds
			665 Mail Services Fund
			38 Misc Public Safety Grants Fund
			4,915 Housing and Community Development Fund
			36,844 Public Health Fund
			521 Foothill Air Support Team Fund
			356 L.A. Impact Fund
			34,684 Library Services Fund
			8,988 Sewer Maintenance and Construction Fund
			1,123 Telecommunication Fund
2	4,866,225	1,378,902	1,378,902 Building Services Fund
3	6,673,859	1,352,500	1,352,500 Computing and Communication Fund
5	250,000	152,153	7,546 Public Health Fund
			5,471 Off-Street Parking Facilities Fund
			107 Foothill Air Support Team Fund
			73 L.A. Impact Fund
			108,989 General Fund
			230 Telecommunication Fund
			1,934 Building Services Fund
			8 Misc Public Safety Grants Fund
			7,103 Library Services Fund
			5,493 Refuse Fund
			136 Mail Services Fund
			2,185 Pasadena Housing Authority Fund
			2,877 Fleet Maintenance Fund
			1,722 Other Housing Funds
			228 Benefits and Insurance Fund
			872 Worker's Compensation Fund
			1,007 Housing and Community Development Fund
			4,007 Computing and Communication Fund
			324 General Liability Fund

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Recommended FY 2017 - 2021 Capital Improvement Program

	Total Estimated Cost	Recommended FY 2017	Funding Detail
6 City Fiber Network Expansion (71212)	6,955,321	135,000	1,841 Sewer Maintenance and Construction Fund 75,000 Telecommunication Fund 60,000 Public, Educational and Government (PEG) Funds

Technology Projects Total Appropriations: 3,809,369

Grand Total Appropriations: 63,513,331