

Attachment B
Exhibit B
Recommended FY 2024 - 2028 Capital Improvement Program

		Total Estimated Costs	Recommended FY 2024	Funding Detail
Municipal Buildings and Facilities				
4	Building Maintenance FY 2021 - 2025 (71903)	8,040,024	1,000,000	1,000,000 Building Preventive Maintenance Fund
6	Parking Lot Improvements at City Facilities FY 2024-2028	4,060,000	160,000	160,000 Library Fund
7	Hale Building Interior Remodel - Phase II (71170)	3,900,000	1,400,000	1,400,000 Building Services Fund
15	Improvements at City Yards Facilities	5,000,000	500,000	300,000 Street Occupancy Rental Fees 200,000 Charter Capital Fund
Municipal Buildings and Facilities Total Appropriations:			3,060,000	

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Streets and Streetscapes				
1	Annual Citywide Street Resurfacing and ADA Improvement Program FY 2023/2024 (73938)	46,195,391	5,000,000	1,500,000 Gas Tax 700,000 Sewer Fund 2,800,000 Road Maintenance and Rehabilitation Account (SB 1)
2	Curb Ramp ADA Improvements Program FY 2022 - 2026 (73937)	2,798,050	300,000	100,000 Gas Tax 200,000 Sewer Fund
3	Annual ADA Sidewalk Improvement Program (73913)	22,035,108	1,400,000	1,000,000 General Fund 400,000 Community Development Block Grant
4	Miscellaneous Sidewalk Repair Program FY 2021 - 2025 (73940)	2,265,971	200,000	200,000 Private Capital
8	Bridge Improvement Program FY 2024 - 2028	500,000	100,000	100,000 Gas Tax
Streets and Streetscapes Total Appropriations:			7,000,000	
Street Lighting				
4	Street Lighting Program FY 2024 - 2028	6,500,000	200,000	200,000 Gas Tax
5	LED Street and Safety Lighting Upgrades FY 2023 - 2027 (74421)	2,860,000	150,000	150,000 Gas Tax
Street Lighting Total Appropriations:			350,000	

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Street Lighting and Electric Undergrounding					
2	Raymond Avenue - Electrical System Undergrounding, Maple Street to North City Limits (3214)	36,310,000	90,000	90,000	Underground Utilities Fund - Power Facilities (3214)
3	Electric System Undergrounding Outside Established Undergrounding Districts (3210)	385,000	17,000	17,000	Underground Utilities Fund - Power Facilities (3210)
4	Florecita Drive - Electrical System Undergrounding (3217)	3,081,000	60,000	60,000	Underground Utilities Fund - Power Facilities
Street Lighting and Electric Undergrounding Total Appropriations:			167,000		

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Transportation				
<u>Active Transportation/Complete Streets</u>				
1	Pasadena Bicycle Program FY 2021-2025 (75111)	613,481	90,000	90,000 TDA Article 3
2	Citywide Complete Streets Program FY 2021-2025 (75114)	874,915	75,000	75,000 Traffic Reduction Fee
8	Complete Streets Project - Ave 64 from Colorado Blvd to South City Limits (75077)	3,671,000	1,800,000	1,800,000 Measure R Mobility Improvement Program Grant
12	Installation of Leading Pedestrian Interval and Audible Signals at Signalized Intersections (75125)	1,507,500	150,000	75,000 Gas Tax 75,000 Traffic Reduction Fee
13	Greenway (Bike Boulevard) Implementation (75126)	12,600,000	12,000,000	12,000,000 Measure R Mobility Improvement Program Grant
16	Pasadena Ave and St John Ave Street Improvements	75,100,000	75,100,000	75,100,000 Measure R Mobility Improvement Program Grant
17	Columbia Street Multimodal Improvements	9,900,000	9,900,000	9,900,000 Measure R Mobility Improvement Program Grant
18	Complete Streets Project - South Orange Grove Blvd from Green St. to Columbia St - Pedestrian Improvement Project	5,400,000	5,400,000	5,400,000 Measure R Mobility Improvement Program Grant
<u>Traffic Operations, Traffic Signals, and ITS</u>				
25	Old Pasadena Traffic Improvement - FY 2021-2025 (75116)	189,512	30,000	30,000 Parking Meter Revenue - Old Pasadena
27	Intelligent Transportation System (ITS) Equipment Upgrades/Replacement - FY 2021-2025 (75117)	500,802	50,000	50,000 Gas Tax

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28	Mobility Corridor Improvements FY 2021-2025 (75118)	462,144	50,000	50,000 Gas Tax
38	Traffic Signal Improvements at Orange Grove Blvd and Holly St, and at Orange Grove Blvd and Colorado Blvd	4,500,000	4,500,000	4,500,000 Measure R Mobility Improvement Program Grant
39	Multimodal Improvements on San Rafael Ave at Linda Vista Ave and at Colorado Blvd	4,800,000	4,800,000	4,800,000 Measure R Mobility Improvement Program Grant
44	Pasadena Light Rail Train (LRT) Tracking and Network Monitoring System - Phase II	2,500,000	2,500,000	2,500,000 Measure R Mobility Improvement Program Grant
<u>Transit</u>				
45	Purchase of Replacement Transit Vehicles and Expansion Fixed-Route Transit Vehicles (75085)	26,042,494	800,000	800,000 Proposition A/C Local Return Funds
47	Construction of Transit Operations Maintenance Facility (75707)	68,110,000	65,900,000	500,000 Proposition A/C Local Return Funds 65,400,000 Measure R Mobility Improvement Program Grant
48	Bus Stop Improvement Program (75900)	4,332,093	300,000	300,000 Proposition C Local Transit Fund
49	Hydrogen Fueling Station	16,000,000	250,000	250,000 Proposition A/C Local Return Funds
Transportation Total Appropriations:			183,695,000	

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Parking				
1	Off Street Parking Facility Maintenance and Repair Project (72160)	12,100,000	1,500,000	1,500,000 Off-Street Parking Facilities Fund
Parking Total Appropriations:			1,500,000	
Sewers and Storm Drains				
1	Annual Sewer System Improvements and Capacity Upgrades - FY 2022-2026 (76918)	24,100,000	500,000	500,000 Sewer Facility Charge
2	Annual Storm Drain System Repair & Improvements - FY 2020 - 2024 (76913)	7,326,293	500,000	500,000 Sewer Fund
Sewers and Storm Drains Total Appropriations:			1,000,000	
Rose Bowl Improvements				
1	Brookside Golf Course & Clubhouse Preventative Maintenance FY 2020 - 2024	2,465,757	557,772	557,772 Golf Course Fund
2	Rose Bowl Preventative Maintenance FY 2020 - 2024	5,925,000	1,365,000	1,365,000 RBOC Restricted Capital Fund (Legacy Contribution)
3	Rose Bowl Major Improvement Projects FY 2020 - 2024	28,370,000	8,780,000	7,780,000 RBOC Unrestricted Reserve Funds 500,000 RBOC Restricted Capital Fund (Legacy Contribution) 500,000 Save America's Treasures Grant
Rose Bowl Improvements Total Appropriations:			10,702,772	

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Parks and Landscaping - Park Projects				
1	Citywide Sports Facilities Improvements and Installations (78044)	4,208,466	315,000	315,000 Residential Impact Fee
6	Villa Parke Community Center - ADA Improvements - Locker Room and Parking Lot	750,000	750,000	300,000 Community Development Block Grant 450,000 Residential Impact Fee
7	Citywide Parks Playground Shade Structure Installations - Phase I	1,800,000	600,000	223,000 Residential Impact Fee 377,000 Measure A (West)
8	Central Park - Lawn Bowling Clubhouse Retrofit - Design Phase	200,000	200,000	200,000 Residential Impact Fee
Parks and Landscaping - Park Projects Total Appropriations:			1,865,000	
Parks and Landscaping - Landscape Projects				
1	Tree Replacement/Planting Citywide - FY 2023-2027 (78959)	1,218,316	200,000	120,000 General Fund 80,000 Street Tree Replacement Deposit
Parks and Landscaping - Landscape Projects Total Appropriations:			200,000	

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Arroyo Projects				
1	Brookside Park - Upgrade of Athletic Field Lighting and Backstop Replacement (77363)	1,300,000	50,000	50,000 Residential Impact Fee
4	Hahamongna - Implement Master Plan - Oak Grove Area Improvements (77506)	1,722,900	40,000	40,000 Residential Impact Fee
5	Lower Arroyo Seco - Habitat Restoration (77410)	1,038,803	40,000	40,000 Residential Impact Fee
6	Implement Master Plan - Hahamongna Watershed Park - Berkshire Creek Area Improvements (77509)	2,608,472	40,000	40,000 Safe, Clean Water Program (Measure W) - Local Return
Arroyo Projects Total Appropriations:			170,000	
Pasadena Center Improvements				
1	Restoration, Upgrades, and Repairs of the Civic Auditorium, Convention Center and Ice Rink	12,900,000	2,500,000	2,300,000 Pasadena Center Operating Company 200,000 Pasadena Center Operating Co - Facility Restoration Fund
Pasadena Center Improvements Total Appropriations:			2,500,000	

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Water System				
1	Distribution Mains (1080)	36,980,000	5,300,000	5,300,000 CIC Funding
2	Sunset Reservoir Improvements (1075)	64,518,200	1,530,000	1,530,000 CIC Funding
3	Well Improvements (1074)	11,079,000	2,730,000	2,730,000 Department of Water Resources Grant
5	Booster Improvements (1073)	8,655,000	760,000	760,000 CIC Funding
6	Meters and Services (1081)	10,575,000	300,000	300,000 CIC Funding
7	Monk Hill Groundwater Treatment Improvements (1076)	6,902,600	1,850,000	1,850,000 Federal Funds - NASA
8	New Water Well (1088)	4,005,000	80,000	80,000 CIC Funding
9	Advanced Metering Infrastructure (AMI) (1078)	9,374,500	2,500,000	2,500,000 CIC Funding
10	Customer Information System Managed Services - Water (1096)	3,342,200	100,000	100,000 Water Fund
11	Water SCADA Improvements (1087)	425,000	80,000	80,000 CIC Funding
12	Computerized Maintenance Management System (1089)	2,005,000	685,000	685,000 Water Fund

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14	Management Information Systems (1083)	904,500	240,000	240,000 Water Fund
15	Geographic Information System (GIS) Enhancements (1084)	1,250,000	560,000	560,000 Water Fund
16	Emergency Generators - Water (1079)	2,405,000	100,000	100,000 Water Fund
17	Water Operations / Training and Storage / Work Shop (1090)	1,055,000	100,000	100,000 Water Fund
20	Customer Driven - Mains, Meters, and Services (1082)	16,073,000	1,350,000	1,350,000 Aid to Construction (Water)
21	Water and Power Facilities Modernization (1056)	2,968,046	240,000	240,000 Water Fund
23	Facilities Improvement Initiative (1092)	545,000	80,000	80,000 Water Fund
Water System Total Appropriations:			18,585,000	

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Electric System				
1	Conductor Replacement Program (3226)	10,075,000	1,370,000	1,027,500 Power Fund 342,500 Underground Utilities Fund
2	4kV to 17kV Distribution System Conversion Program (3227)	23,287,571	4,000,000	4,000,000 Power Fund
3	Advanced Metering Infrastructure (AMI) (3142)	42,570,356	12,970,000	12,970,000 Power Fund
4	GT-5 Capital Equipment Replacements	1,630,800	1,130,800	1,130,800 Power Fund
5	Subtransmission Cable Upgrade (34-20)	3,200,000	1,941,000	1,941,000 Underground Utilities Fund
6	Subtransmission Cable Upgrade (34-4) (3272)	3,610,000	1,110,000	1,110,000 Underground Utilities Fund - Power Facilities
7	GT-1 and GT-2 Capital Equipment Replacements (3182)	35,640,503	540,000	540,000 Power Fund
8	GT-3 and GT-4 Capital Equipment Replacements (3186)	9,245,367	830,000	830,000 Power Fund
9	Electrical Vault Replacement and Reinforcement Program (3229)	14,920,000	1,890,000	1,701,000 Power Fund 189,000 Underground Utilities Fund - Power Facilities
10	Distribution Switch Replacement Program (3231)	11,623,000	1,450,000	1,305,000 Power Fund 145,000 Underground Utilities Fund
11	Fire Threat Mitigation Tier 2 Areas (3258)	4,690,000	410,000	410,000 Power Fund

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12	Receiving Station 35kV Upgrades (3262)	4,631,758	310,000	310,000 Power Fund
13	Energy Storage System Phase II (3275)	4,776,500	10,000	10,000 Power Fund
14	Distribution Transformer Replacement Program (3237)	4,933,000	470,000	423,000 Power Fund 47,000 Underground Utilities Fund
15	Electric Vehicle Charging Infrastructure (3225)	19,088,000	2,450,000	1,715,000 Power Fund 735,000 Underground Utilities Fund
16	Customer Information System Managed Services - Power (3271)	6,160,800	1,020,000	1,020,000 Power Fund
18	Power Substation Weatherizing Enhancements	1,836,000	352,000	352,000 Power Fund
19	Oak Knoll Substation Upgrades	2,349,372	132,000	132,000 Power Fund
20	Villa Substation Upgrades	2,349,372	132,000	132,000 Power Fund
21	Substation Modernization Program (3235)	11,912,000	1,760,000	1,760,000 Power Fund
22	Computerized Maintenance Management System (3140)	4,988,278	1,150,000	1,150,000 Power Fund
23	Emergency Transmission and Distribution System Replacements (3222)	12,192,000	1,410,000	1,410,000 Power Fund
24	Installation of Low Voltage Electrical Services (3221)	31,318,000	3,120,000	312,000 Power Fund

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25	Installation of High Voltage Electrical Services (3220)	26,943,000	2,620,000	2,808,000 Aid to Construction (Power) 262,000 Power Fund 2,358,000 Aid to Construction (Power)
26	Supervisory Control and Data Acquisition (SCADA) System Expansion (3245)	6,517,500	270,000	270,000 Power Fund
27	Primary Dispatch Facility Remodel (3253)	4,850,000	330,000	330,000 Power Fund
28	Fair Oaks Substation Upgrades (3267)	14,862,500	290,000	290,000 Power Fund
29	Replacement of Power Plant Instruments and Controls (3232)	560,000	80,000	80,000 Power Fund
30	Deteriorated Pole Replacement Program (3233)	11,487,000	1,600,000	1,600,000 Power Fund
31	Power Production Facility Improvements (3236)	3,144,320	680,000	680,000 Power Fund
32	Seismic Upgrade of Power Facilities (3196)	4,310,000	310,000	310,000 Power Fund
33	Vault Cover Lid Replacement Program (3230)	1,508,000	210,000	189,000 Power Fund 21,000 Underground Utilities Fund
35	Santa Anita 35kV Receiving Station Upgrades (3260)	6,154,000	890,000	890,000 Power Fund
36	Distribution System Automation (3192)	6,915,001	410,000	205,000 Power Fund 205,000 Underground Utilities Fund

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37	Security, Access Control, and Lighting Program at Power Facilities (3248)	1,570,000	150,000	150,000 Power Fund
39	Distribution System Expansion Program (3228)	8,195,528	505,000	505,000 Underground Utilities Fund
40	Customer Facility Replacements (3269)	3,810,000	610,000	610,000 Power Fund
42	Geographic Information System (GIS) Enhancements (3240)	1,996,000	1,220,000	1,220,000 Power Fund
44	Energy Storage System Phase I (3206)	7,380,000	720,000	720,000 Power Fund
45	Station Transformer Upgrades (3259)	6,196,000	360,000	360,000 Power Fund
46	Power System Equipment (3254)	2,848,000	610,000	610,000 Power Fund
47	Santa Anita 17kV Substation Upgrades (3261)	3,074,603	220,000	220,000 Power Fund
48	Distribution Volt/Var Enhancements Program (3252)	3,073,000	410,000	410,000 Power Fund
49	Substation Oil Containment (3128)	7,579,352	930,000	930,000 Power Fund
50	Water and Power Facilities Modernization (3175)	20,901,982	1,180,000	1,180,000 Power Fund
51	Glenarm Receiving Station Upgrades (3266)	7,358,400	90,000	90,000 Power Fund

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53	PWP Training Yard (3274)	615,000	260,000	260,000 Power Fund
54	Power Supply Integrated Resource Planning and Design (3249)	2,000,000	210,000	210,000 Power Fund
55	Management Information Systems (3239)	1,646,500	525,000	525,000 Power Fund
56	Power Transmission Program (3251)	1,873,000	150,000	150,000 Power Fund
57	Power Transmission Program (3190)	9,478,999	280,000	280,000 Power Fund
58	Power Facility Wastewater / Storm Water Capture and Treatment (3270)	5,663,000	300,000	300,000 Power Fund
59	Chester Substation Upgrades (3273)	4,816,000	290,000	290,000 Power Fund
60	Power Supply Facility Security (3234)	1,192,900	180,000	180,000 Power Fund
Electric System Total Appropriations:			56,847,800	

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Technology Projects				
2	DolT Equipment Lifecycle Replacement FY 2020 - FY 2024 (71165)	8,235,501	1,275,000	1,275,000 Computing and Communication Fund
4	City Fiber Network Expansion FY 2020 - FY 2024 (71167)	2,271,653	280,000	100,000 Telecommunication Fund 120,000 Underground Utilities Fund 60,000 Public, Educational and Government (PEG) Funds
Technology Projects Total Appropriations:			1,555,000	
Grand Total Appropriations:			289,197,572	