



Pasadena Water and Power

Pasadena Water & Power





Council Priorities and Policy

Previously adopted plans and policies remain in effect

2025 priorities complement—not replace—existing direction

CIP reflects cumulative Council Policy/Priorities over time

Balancing Competing Objectives



Carbon-free energy goals



Long-term fiscal sustainability



Affordability



Regulatory Framework



Rate equity



System reliability

Integrated Resource Plan (IRP)

Approved Dec 2018; filed with California Energy Commission

Defines long-term power supply strategy

Aligns with state greenhouse gas reduction targets

Balances cost, reliability, and sustainability

Only purchase Carbon free resources – opt out of the Intermountain Power Project

Power Delivery Master Plan

Adopted by City Council
June 12, 2022

Long-term infrastructure
planning document

Guides reliability, safety, and
capital investments

Supports grid modernization
and resilience



Resolution 9977

City Council adopted Resolution 1/30/2023

Goal: 100% carbon-free electricity by 2030

Affordability;

Rate equity;

Stability; and

Reliability of electricity

Integrated Resource Plan (IRP)



Optimized Strategic Plan (OSP)

Adopted
December 2025

Implementation
roadmap for
Resolution 9977

Identifies resource
mix and
investment
strategy

Integrates financial
and operational
considerations



Capital Improvement Program (CIP) Alignment

Reflects adopted policies and plans

Prioritizes projects advancing Council goals

Ensures fiscal discipline

Aligns infrastructure with sustainability targets

\$20M funded for solar

- Additional \$7.6 proposed

\$27.6M funded solar

CIP Furthers Council Priorities, But NOT ALONE

HQ: About
Consolidation of
Offsite Leases (PWP
or PWP + City)

Future Solar: \$600K
to Feasibility Study

City Not Alone:
PUSD, PCC, PCOC,
RBOC

Operating Budget
PPAs

Priorities and Policies Set by Council

Policies are cumulative
and reinforcing

PWP budget and
policies operate within
full Council direction –
City Manager directs
day to day

CIP reflects both legacy
and new priorities

Strategic alignment
ensures long-term
success



PWP Capital Program FY27 – 31 Overview

One of the largest capital programs in PWP history - approximately \$1.9 billion over five years – investing in water and power services for the next 100 years.

Carbon-Free

Council has made this clear: 100% carbon-free by 2030 is the policy direction. PWP heard this loud and clear. This CIP dedicates nearly \$800 million toward carbon-free infrastructure over five years.

Long-Term Sustainability

Smart capital decisions today protect rate affordability, preserve credit quality, and keep PWP financially strong for the next generation of customers.

Serving Our Community

Reliable water and power, resilient infrastructure, and equitable service for every Pasadena customer -- today and for decades to come.



Department-Wide Key Initiatives

Pasadena Water and Power

Technology Transformation

- > Advanced Metering Infrastructure to enable distributed energy deployment

Electrical Reinvention & Renewal

- > Carbon-Free infrastructure
- > Sub-transmission upgrades
- > Distribution system hardening to mitigate risk

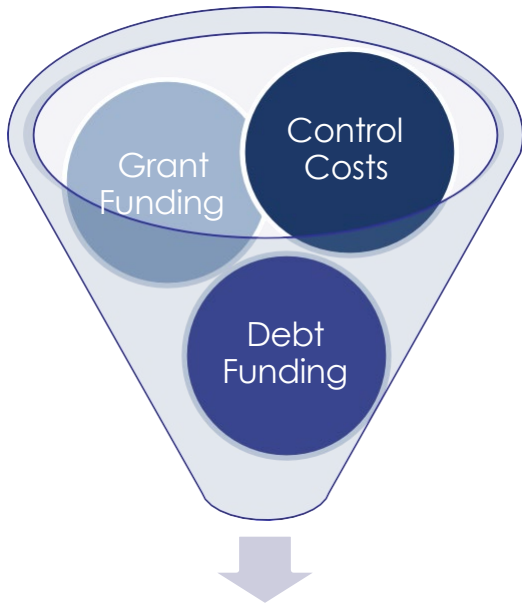
Water Reinvestment

- > Sunset Reservoir
- > Mainline replacements
- > Water supply diversification and enhancement

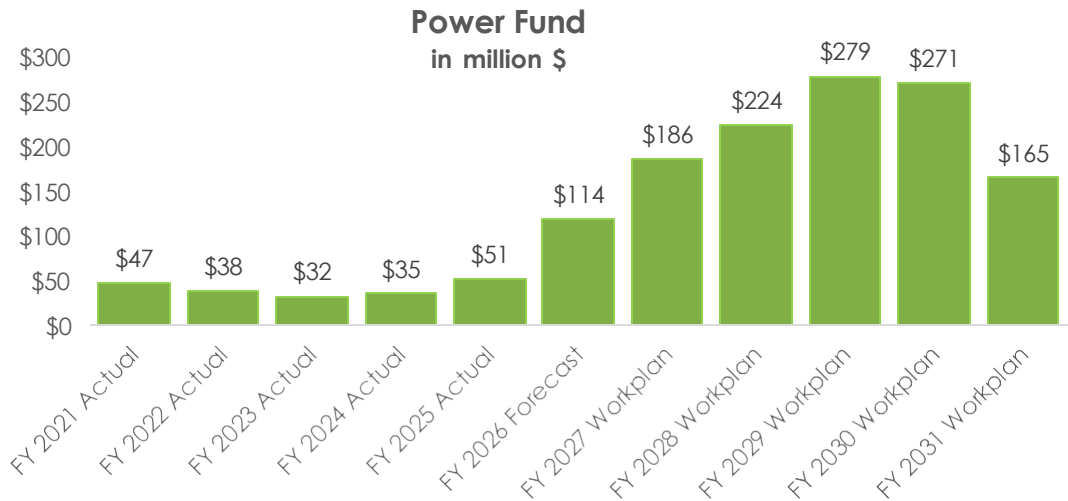
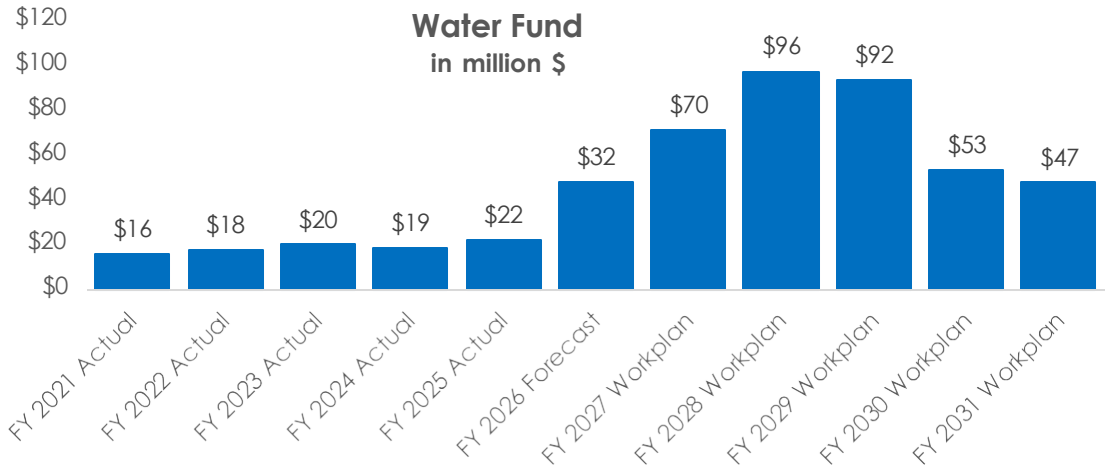


Capital Investment Driving Increase Revenue Needs

Pasadena Water and Power



Strategies to keep services affordable all balanced in the proposed plan





FY2027 Overview Water

Pasadena Water and Power

30

Active Projects

\$59.1M

Recommended for FY2027
Appropriation of \$70.4 M
Workplan

5

NEW projects

**39 Active and Future Projects with
Total Estimated Cost of \$359 M**

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FY2027 Overview Electric System

Pasadena Water and Power

63

Active Projects

\$112.4M

Recommended for FY2027
Appropriation of \$186 M
Workplan

2

NEW projects

**69 Active and Future Projects with
Total Estimated Cost of \$1.5B**

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Carbon-Free Investment Strategy: Balancing Fiscal Responsibility with Policy

\$794M

Total Carbon-Free
Investment

\$82.5M

Carbon-Free Investment in
FY2027

40

Projects Advancing
the Carbon-Free Goal



- Added \$90M project for 4-phase Municipally-Owned Solar Project
- Leveraging Public Benefit Funding Fund Balance for Eligible Solar Capital
- Plan does not assume any further rate increases

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FY 2027 Recommended CIP Budget

Water System



Water Accomplishments in FY 2026

- ✓ Completed Construction/Installations
 - ✓ Pipeline on Fair Oaks and Oak Knoll
 - ✓ Repaired damages to the Allen Reservoir following the Eaton Fire
 - ✓ Explorer Well below-grade improvements
 - ✓ 44 customer development projects & 1,400 meters
 - ✓ Near-term improvements for the Arroyo Seco Canyon Project (ASCP) Area 1
 - ✓ Public review of the Environmental Impact report for the Sunset Complex project
- ✓ Completed Design Efforts
 - ✓ Explorer Well above-grade improvements
 - ✓ Don Benito reservoir conceptual design



Oak Knoll Pipeline Project



ASCP Area 1



FY 2027 Water CIP Budget Overview

Water Projects Recommended for Funding

(\$ in millions)

Category	# of Projects	FY2027 Recommended Appropriations	FY2027 Workplan
Distribution	8	\$18.8	\$19.2
Supply	6	\$15.0	\$16.1
Technology	7	\$11.4	\$12.4
Storage	4	\$ 9.0	\$17.7
Facilities & Services	5	\$ 4.9	\$ 5.1
Total	30	\$59.1	\$70.4

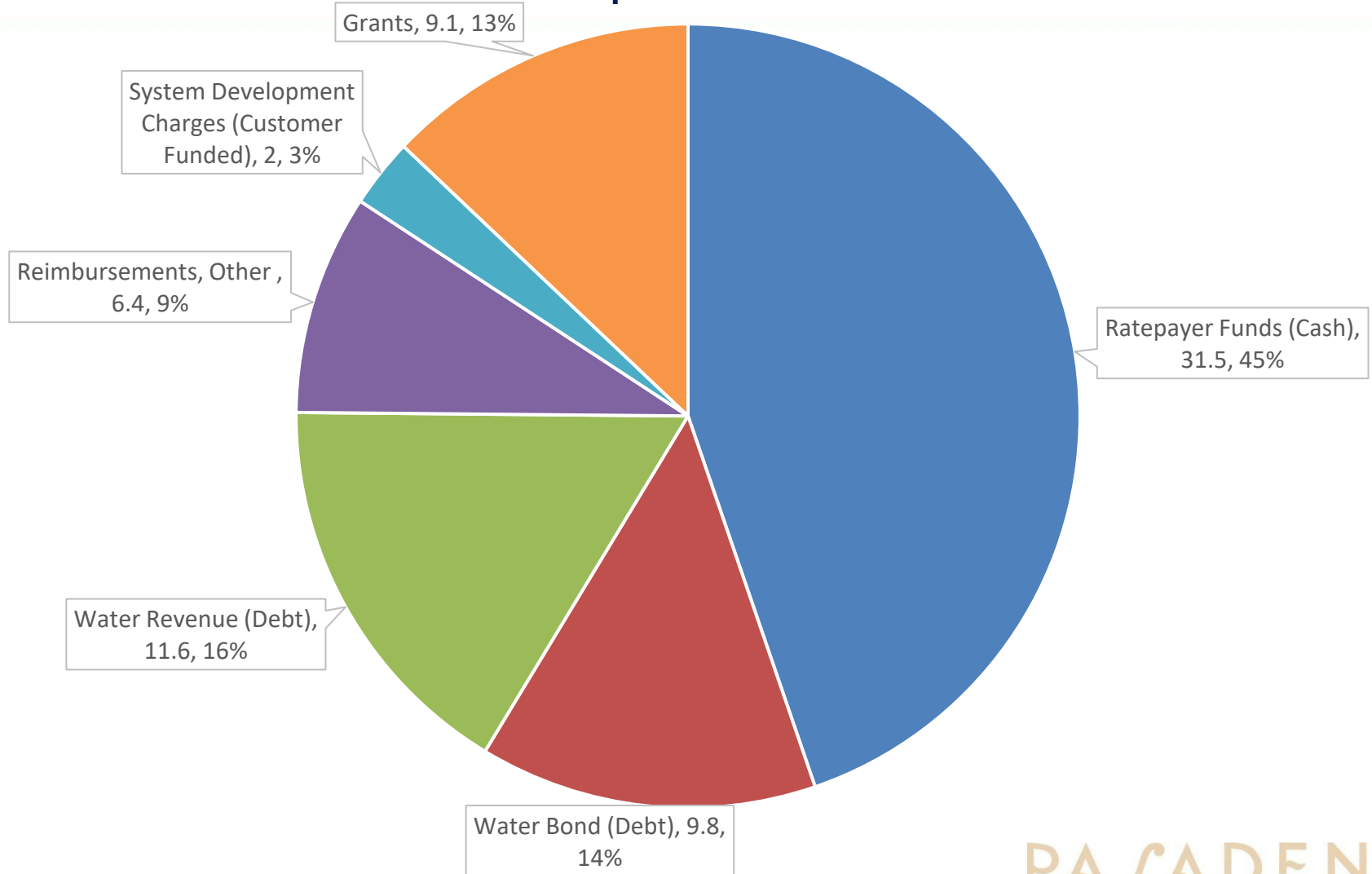
- > Five new CIPs proposed in FY 2027
- > FY 2028 – FY 2031 Expenditures: \$288.7 million includes 9 future projects

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FY 2027 Water CIP Funding Sources

Total \$70.4 million



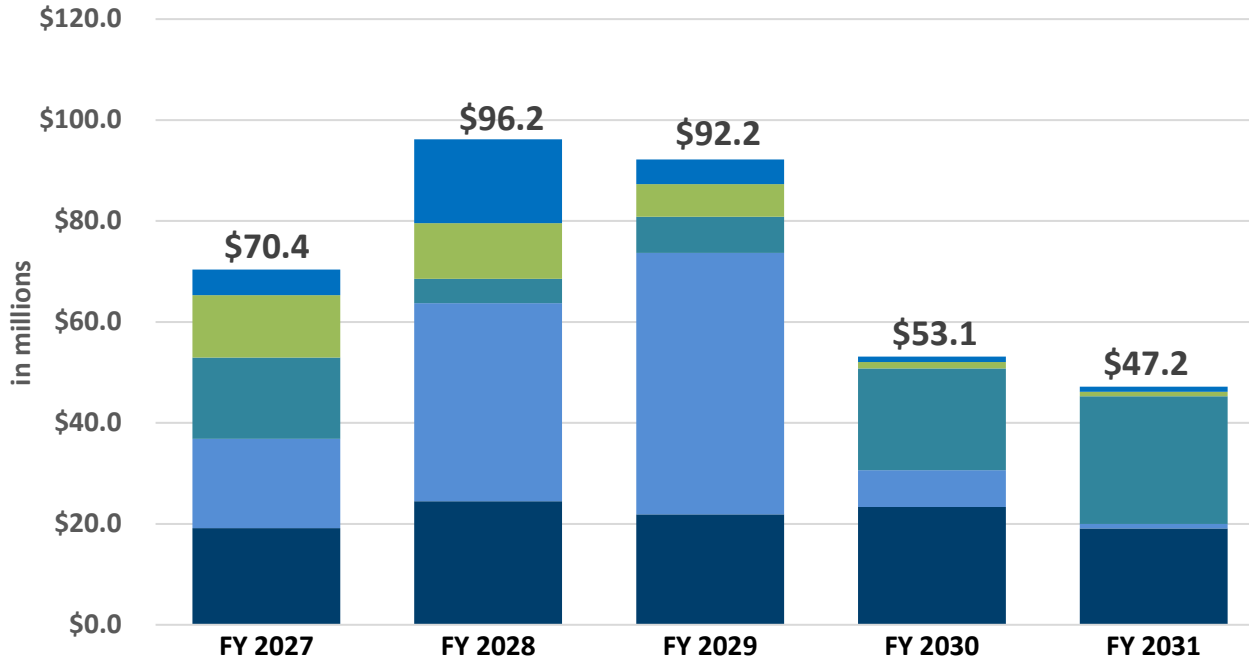
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Note: Water Revenue Debt = WIFIA Loan; \$65M Bond Issuance in FY 2027



Five-Year Capital Plan Summary

Water Fund Projects

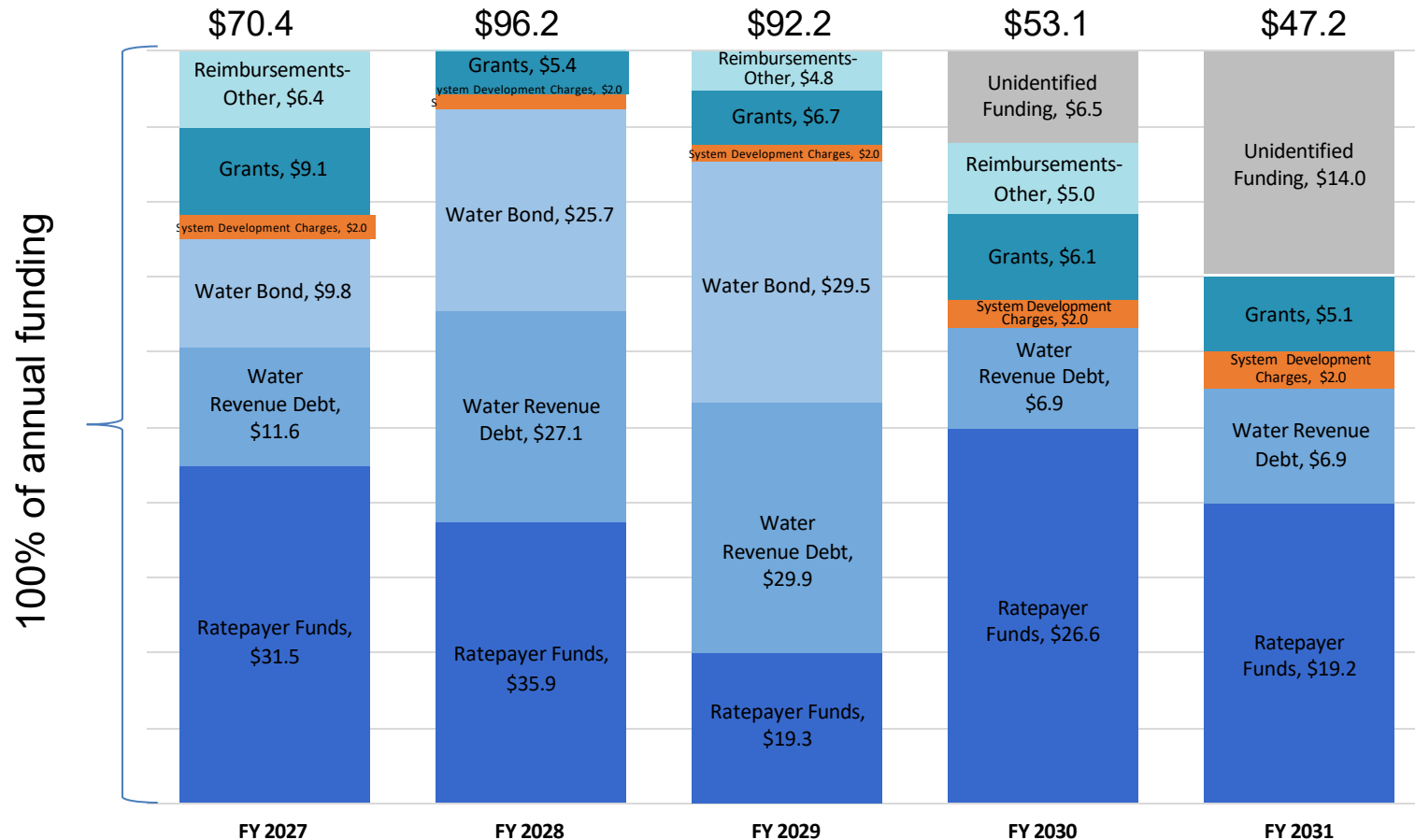


	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
Facility & Services	\$5.1	\$16.6	\$4.9	\$1.1	\$1.0
Technology	\$12.4	\$11.0	\$6.4	\$1.2	\$0.9
Supply	\$16.1	\$4.8	\$7.2	\$20.2	\$25.3
Storage	\$17.7	\$39.2	\$51.7	\$7.3	\$0.9
Distribution	\$19.2	\$24.5	\$21.9	\$23.4	\$19.1
Total	\$70.4	\$96.2	\$92.2	\$53.1	\$47.2



Five-Year Water CIP Funding Sources

Water System CIP Funding Sources = \$359.1 million



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New CIP Projects - Water System

Five Proposed New Projects = \$4.7 million in FY 27 Appropriations



Water Facility Security Improvements

- Upgrades to security systems across all water facilities



Don Benito Reservoir

Don Benito Reservoir

- Replaces the water reservoir/tanks damaged by the 2025 Eaton windstorm and wildfire

*Removed from CIP 1098 – Eaton Windstorm and Fire Recovery project



New CIP Projects - Water System

Improving reliability, efficiency, fire protection, and water quality through the upgrades to the following booster station projects:

- Atlanta Booster Station
- Eagle Rock Booster Station
- Santa Anita Booster Station

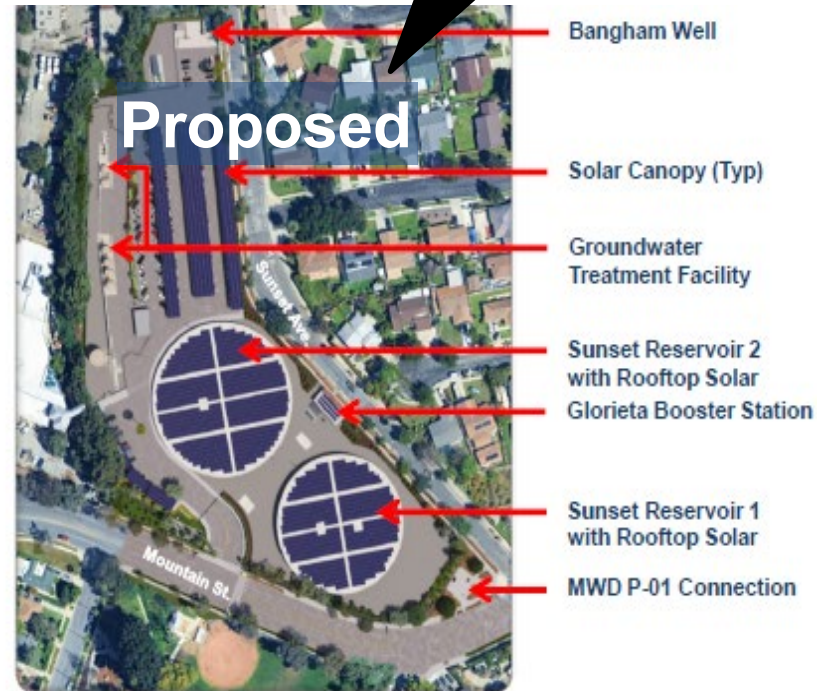




Water System Highlight: Water Storage Project

Project includes solar generation on the site

Sunset Complex Project



Improves overall system reliability and resilience

Work includes construction of reservoirs, a new treatment facility, booster station, façade improvements, well improvements, and other site enhancements.

- FY 2027 Workplan: The City Yard will be upgraded, specification for construction contract, and construction planned to begin



Water System Highlights: Water Distribution Projects

Water Mainline Replacements



Installation of new and replaced water distribution mains at various locations throughout the city

- FY 2027 Workplan: Design and replacement of mainlines on the following locations:
 - Catalina Ave - from Corson St to California Blvd
 - Holly St - from Fair Oaks Ave to Marengo Ave
 - Colorado Blvd - from Melrose Ave to Patrician Way

Atlanta, Eagle Rock, and Santa Anita Booster Station Improvements



Improvements offer greater operating reliability and efficiencies, and enhances fire protection and water quality

- FY 2027 Workplan: Completion of upgrade design and construction to start on Eagle Rock and Santa Anita Booster Stations, and design to start on Atlanta Booster Station

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Water System Highlights: Water Supply Projects

Arroyo Seco Canyon Project: Increase Groundwater Recharge

Increased spreading of water runoff, habitat restoration, and improvements in the Arroyo Seco Canyon area

- FY 2027 Work Plan: Construction to begin for Area 1 (Headworks), Area 2 (Intake), and Area 3 (Spreading Basins)



Water Reuse



Development of advanced water treatment for groundwater recharge and irrigation use

- FY 2027 Work Plan: Ongoing multi-agency collaboration on advancing project development and preparing a comprehensive feasibility study

FY 2027 Recommended CIP Budget

Electric System

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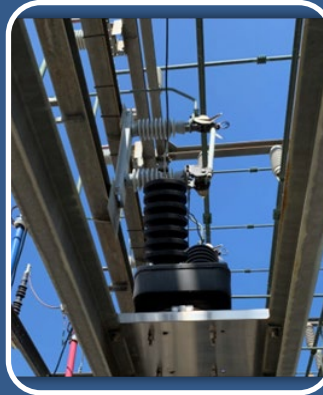
Accomplishments in FY 2026



Released construction bid specification for 25 MW Glenarm Energy Storage System



Issued a Request for Proposal for a Micro Wind Turbine pilot project



Replaced or Installed

- 39 distribution switches
- 165 distribution transformers
- 147 power poles
- 21.5 miles of conductor
- 87 underground vaults, pull boxes and structure covers
- High voltage/substructure in Tier 3 Fire Threat area
 - Canyon Close Rd., Fox Ridge Dr., Florcita Dr., and Crestford Dr.



Upgraded the subtransmission circuit between Oak Knoll and Glenarm substations



Customer funded new or upgraded projects

- 550 electric services
- 305 solar meters
- 19 new private property vaults



FY 2027 Electric CIP Overview

Power Projects Recommended for Funding

(\$ in millions)

Category	Number of Projects	FY 2027	
		Recommended Appropriations	FY 2027 Expenditures
Distribution Systems	41	\$89.9	\$139.8
Generation/Supply	13	\$4.9	\$22.9
Technology	7	\$13.3	\$19.0
Facilities & Services	2	\$4.4	\$4.4
Total	63	\$112.4	\$186.0

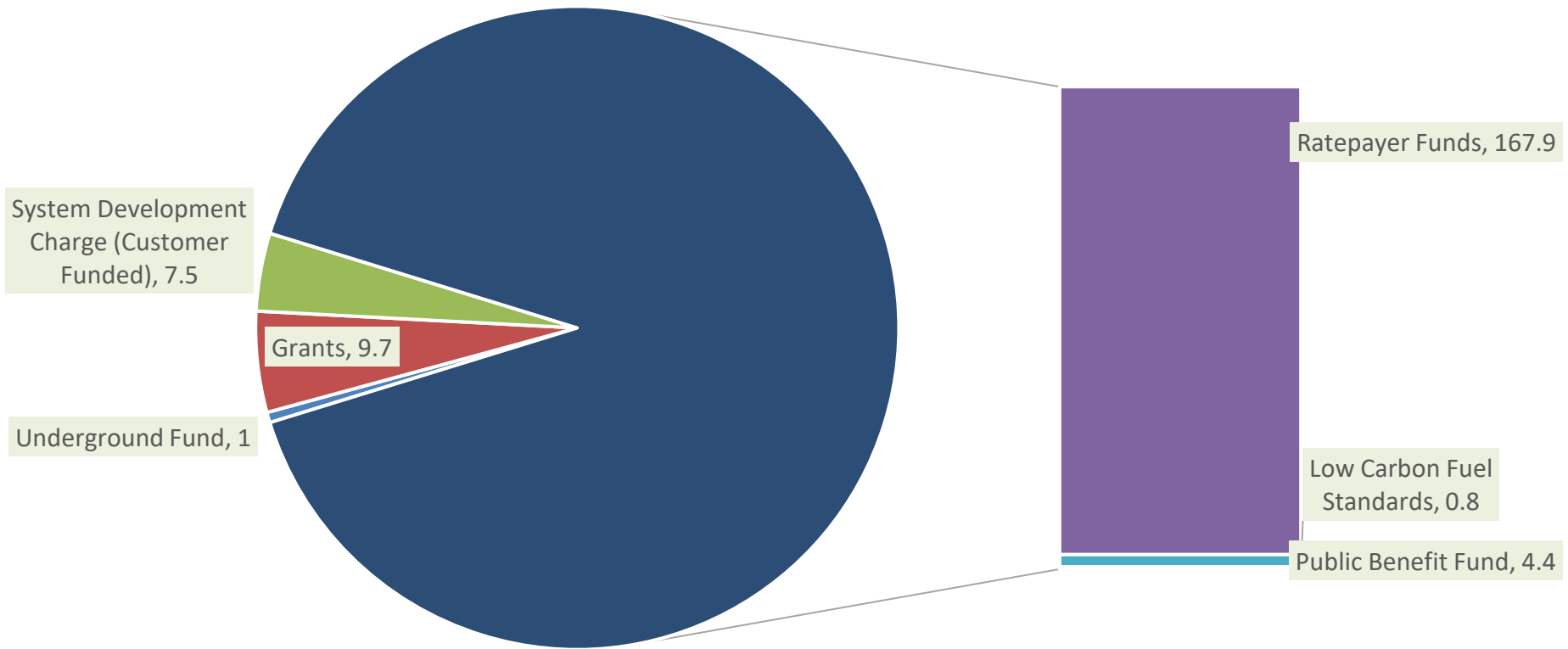
- > Two new CIPs proposed in FY 2027
- > FY 2028 – FY 2031 Expenditures: \$938.5 million includes 6 future projects
 - Includes installations of 20MW community-owned solar in 4 phases (4 CIPs)



FY 2027 Electric CIP Funding Sources

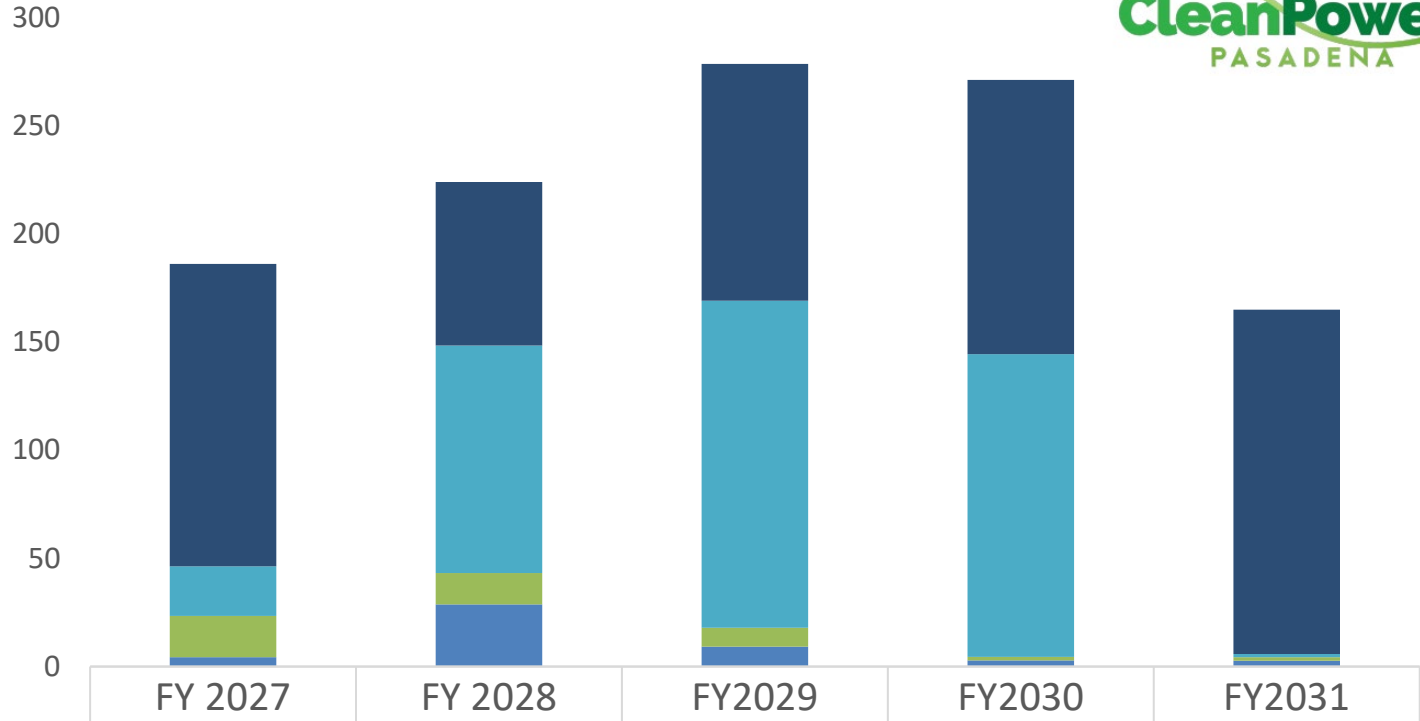
Power System CIP Funding Sources = \$186.0 million

Funding





Five-Year Capital Plan Summary: Power Fund Projects



■ Distribution	139.8	75.6	109.4	126.8	159.1
■ Supply/Generation	22.9	105.1	151.2	139.9	1.4
■ Technology	19	14.6	8.7	1.7	1.7
■ Facilities and Services	4.4	28.7	9.2	2.8	2.7

■ Facilities and Services ■ Technology ■ Supply/Generation ■ Distribution

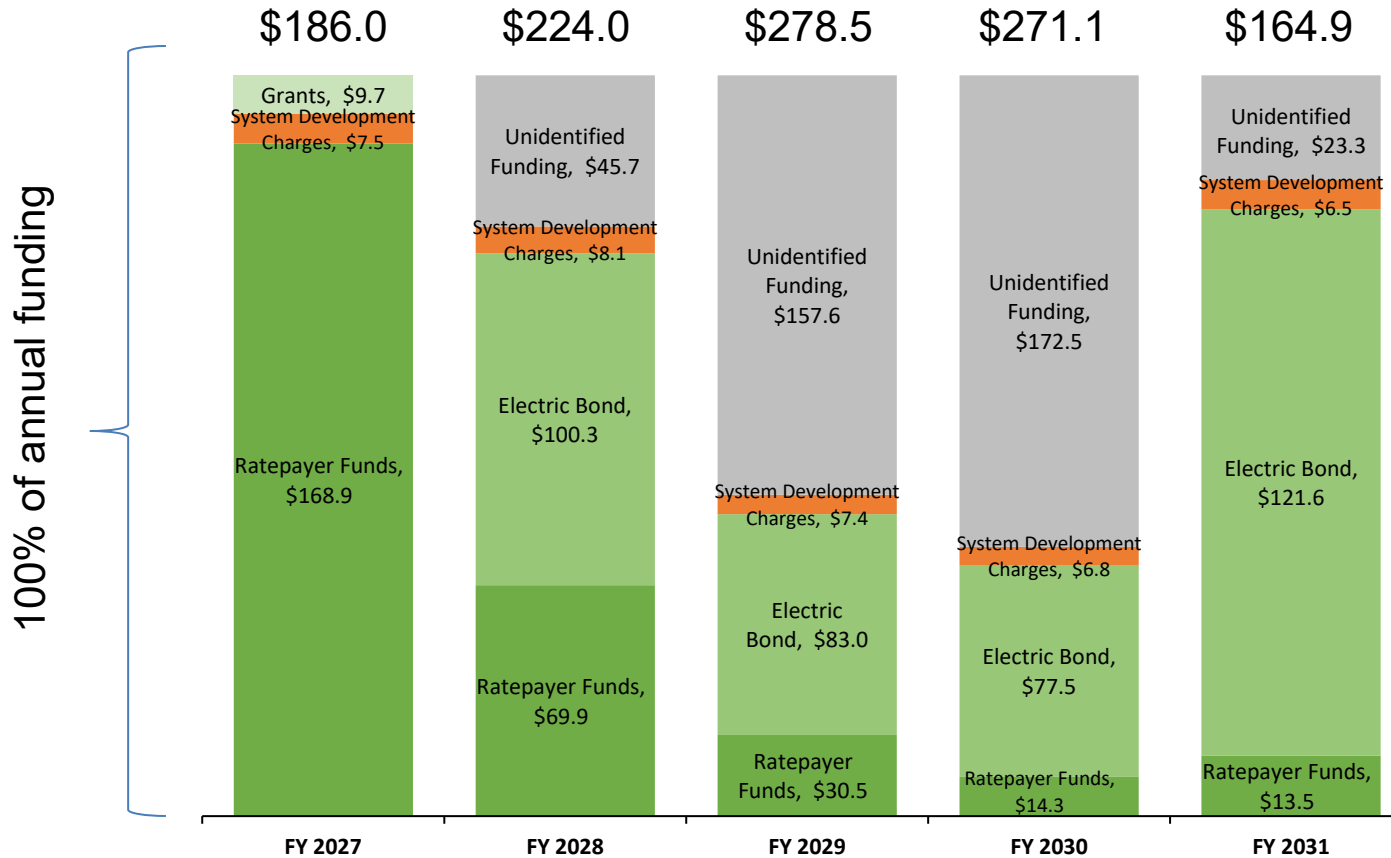
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Five-Year Power CIP Funding Sources

Pasadena Water and Power

Power System CIP Funding Sources = \$1.13 billion



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Note: Approx. \$280M bond issuance planned in FY 2028



New CIP Projects: Electric System

Two Proposed New Projects = \$4.5 million in FY 2027 Appropriations

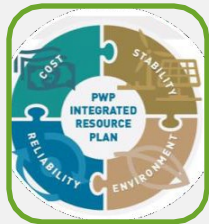


\$4.4 million

Installation of Municipal-Owned Solar (2 MW by FY 28)

Installs local solar generation on City-owned properties across Pasadena

- Increases renewable generation capacity
- Supports Pasadena's carbon-free goal



\$0.1 million

Power Integrated Resource Plan 2028 (Total CIP \$1.55M)

A long-term, strategic roadmap to meet future energy demands reliably, affordably, and sustainably

- Ensures safe, dependable, and cost-effective power supply for customers
- Plan for supply (new generation, transmission) and demand-side alternatives
- Mandated by State Legislation SB 350



Power Delivery Highlights



Subtransmission Upgrades

- Path 2 Subtransmission Upgrade



Electric Vehicle Charging Infrastructure

- Avon Ramp
 - City Yards
 - Del Mar Garage
 - Arroyo EV Charging Depot Phase 2
 - Aquatics Center
 - Rose Bowl Golf Course
- } New in
FY 2027

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Power Supply Highlight

Energy Storage Systems

Enhance grid resiliency and efficiency, and provide equitable access to energy



Glenarm Energy Storage

- Construction and installation of a 25 MW of 4-hour battery storage system at the Glenarm Power Plant
- FY 2027 Work Plan: Construction and installation (Commercial Operation Date in Spring 2027)

Broadway Energy Storage

- Demolition of the Broadway Plant and construction and installation of energy storage systems
- FY 2027 Work Plan: Planning, site preparation, and permitting will continue

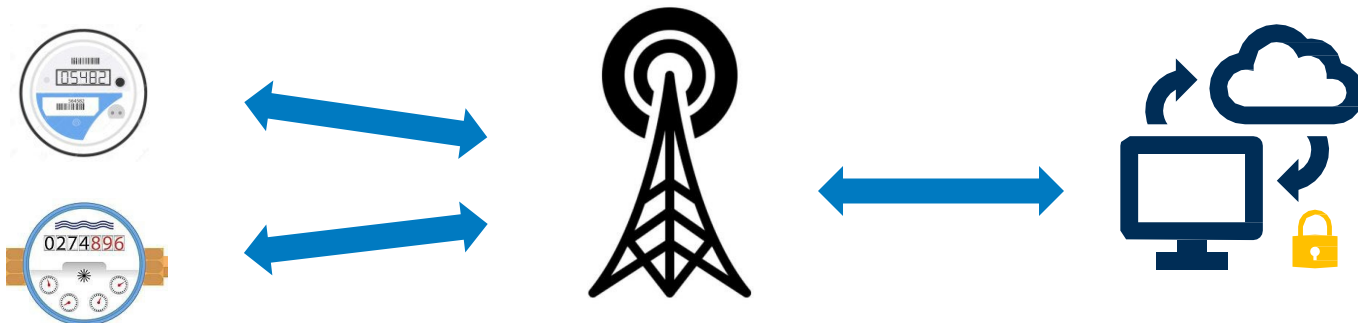


Department-Wide Technology Highlight

Advanced Meter Infrastructure (AMI)

FY 2027 Work Plan: Deploy AMI meters and supporting infrastructure, implementing enterprise software, and establishing a communications network to enable organization-wide AMI rollout.

- > Earlier detection of water leaks
- > Improved customer service with real-time data
- > Will support time-of-use rate power structures to encourage conservation and load-shifting
- > Enable customers with solar panels, home batteries, or electric vehicles to make better decisions on how they manage their system
- > Remote power connect/disconnect to reduce truck rolls



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Capital Reallocation & Deferral

CHANGE FROM PRINTED BOOK : ALTERNATIVES

ACTION 1 — REALLOCATION

1

Water & Power Headquarters Office Consolidation Planning (CIP #3285)

CURRENT (Published CIP)

FY 2027

\$650,000

Purpose: Needs assessment & site identification — HQ planning



RECOMMENDED — Redirect To

FY 2027

\$650,000

Purpose: 4 MW Solar (Phase 2) Site identification study

Rationale

- HQ planning dollars (\$650K) fund a needs assessment with no irreversible commitment until FY28 — deferring HQ planning by one budget cycle has minimal operational consequence.
- The 4 MW solar phase (\$18M total) is partially funded but lacks identified sites. A \$650K FY27 site study keeps the program on schedule without issuing additional bond debt.
- No net change to total debt.
- HQ site identification is incorporated into the FY28 needs assessment process.

ACTION 2 — DEFERRAL & REALLOCATION

2

Fair Oaks & Brookside Substation Upgrades (CIP #3267) to Allocate to Installation of 4 MW Municipal-Owned Solar (CIP#TBD)

Fiscal Year	Published CIP (Power Bond)	Recommended (Adjusted)
FY 2027	\$4,961,000	\$4,961,000
FY 2028	\$11,500,000	\$11,500,000
FY 2029	\$22,500,000	\$15,500,000
FY 2030	\$22,500,000	\$22,500,000
FY 2031	\$11,500,000	\$11,500,000
FY31+ (Deferred \$7M)	—	\$7,000,000
TOTAL PROJECT	\$75,009,000	\$75,009,000

Rationale

- Total project cost is unchanged at \$75.0M — deferral is a cash-flow adjustment, not a scope reduction.
- \$7M in FY29 Power Bond capacity is deferred to FY31 and reclassified as 'unfunded / bond capacity TBD,' preserving debt service coverage ratio headroom in FY29.
- FY27 design, FY28 manufacturing, and FY30 construction milestones are unaffected — the transformer lead time determines the critical path, not the FY29 cash draw.
- Bond capacity will be identified and appropriated in the FY31 budget cycle when updated revenue and coverage projections are available.



Staff Recommendation: A Phased, Optimized Capital Approach

Funding the right projects in the right sequence for durable, affordable carbon-free outcomes

PROCEED NOW

- 2 MW Solar — Fully funded, sites identified. Begin construction FY27.
- 4 MW Solar Funding Gap (\$7M) — Close gap through PBC FY26 retained earnings and reallocate from CIP 3267 Fair Oaks Project
- T.M. Goodrich Intertie — \$65.2M; approved and appropriated. Critical gateway investment.
- AMI Deployment — Accelerate rollout through FY29. No substitutes for this backbone.
- Chester, Villa, Oak Knoll, Wilson, Hastings Substations — All funded or pending bond; supports Res. 9977.
- Broadway & Glenarm Energy Storage — Funded near-term phases on track.

DEVELOP AN IMPLEMENTATION PLAN FIRST

- 6 MW Solar (\$27M unfunded) — Identify sites, complete cost-benefit, determine funding source in next rate review.
- 8 MW Solar (\$36M unfunded) — Same process; evaluate vs. emerging baseload alternatives before committing.
- Subtransmission 35kV (\$9.1M) — Prioritize in FY28 budget cycle with funding source identification.
- Emerging New Technology (\$42.5M FY29–30) — Proceed based on FY27 pilot results; do not pre-commit.

LONG-HORIZON PLANNING

- Broadway Energy Storage (\$165M+ beyond FY31) — Model in next IRP cycle; evaluate future bond capacity.
- Evaluate long-duration storage, customer adoption, and advanced baseload technologies before final solar phase commitments.

FY 2027 Recommended CIP Budget

Electrical Undergrounding



FY 2027 Electric Undergrounding CIP Budget Overview

Undergrounding Projects Recommended for Funding

Project Name	# of Projects	FY 2027 Appropriations	Recommended Expenditures	FY 2027 Workplan
Raymond Avenue	1	\$12,570,000	\$17,200,000	Civil construction work and underground electrical system construction will continue
Mountain Street	1	\$0	\$0	No work scheduled in FY 2027. It is expected that undergrounding efforts will begin in FY 2029
Outside Established Districts	1	\$0	\$16,000	Provides reimbursement for underground services outside of established districts
Total	3	\$12,570,000	\$17,216,000	

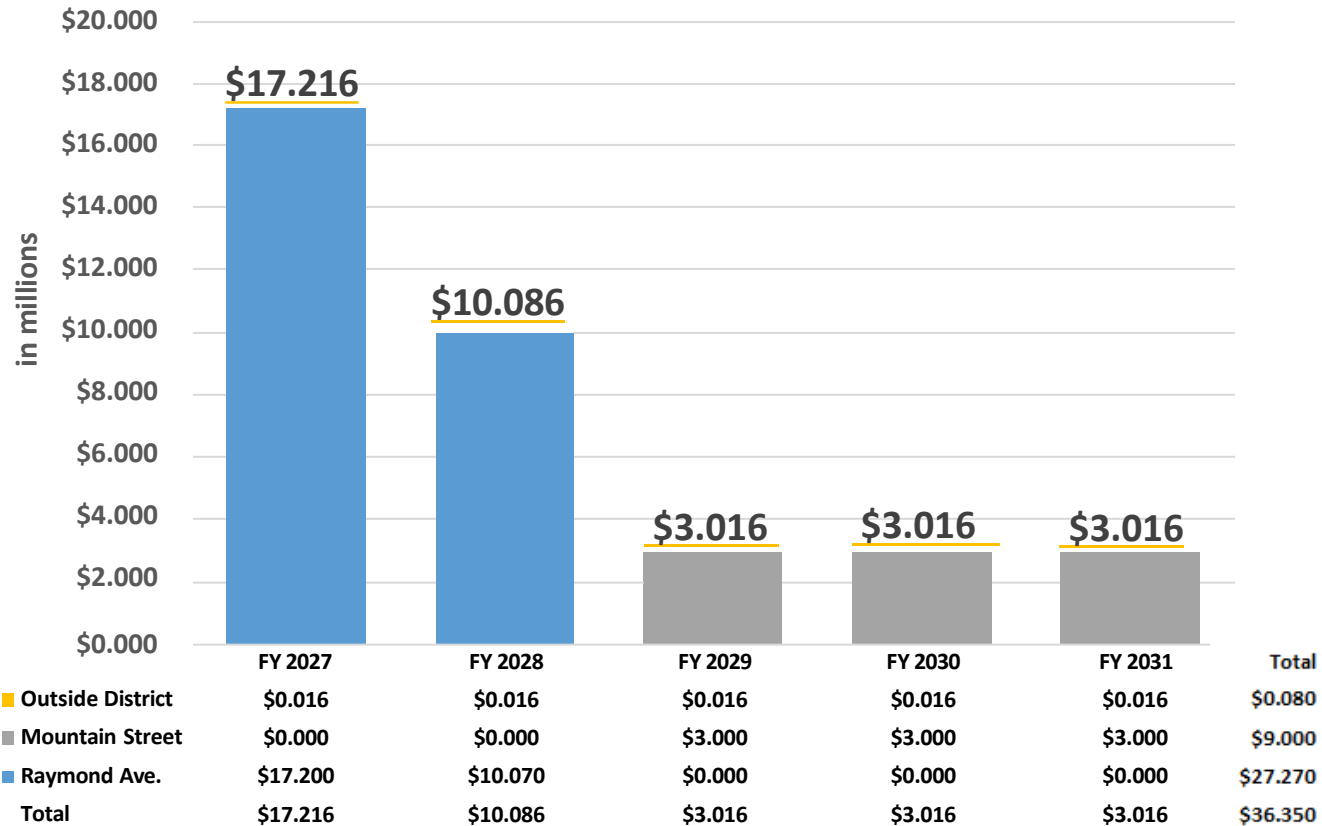
- > No new CIPs proposed in FY 2027
- > FY 2028 – FY 2031 Expenditures: \$19.1 million

*Additional Public Works expenditures not shown.



Five-Year Capital Plan Summary: Undergrounding Projects

\$36.4 Million Planned Expenditures



*Additional Public Works expenditures not shown.

FY 2027 - 2031 Capital Improvement Program

Electric System

Priority	Description	Total Estimated Costs	Appropriated Through FY 2026	Recommended FY 2027	Proposed FY 2028	Proposed FY 2029	Proposed FY 2030	Proposed FY 2031 and Beyond
1	Subtransmission Path 2 Upgrade (3282)	73,180,000	41,620,000	31,560,000	0	0	0	0
2	Distribution System Voltage Conversion Program (4kV to 17kV) (3227)	33,868,571	17,868,571	0	4,000,000	4,000,000	4,000,000	4,000,000
3	Conductor Replacement Program (3226)	13,994,427	8,984,427	1,010,000	1,000,000	1,000,000	1,000,000	1,000,000
4	Advanced Metering Infrastructure (AMI) (3142)	48,206,356	17,506,356	11,010,000	12,735,000	6,955,000	0	0
5	Installation of 2 MW Municipal-Owned Solar	9,000,000	0	4,410,000	4,590,000	0	0	0
5	Installation of 8 MW Municipal-Owned Solar	36,000,000	0	0	0	5,400,000	30,600,000	0
5	Installation of 4 MW Municipal-Owned Solar	18,000,000	0	650,000	2,700,000	14,650,000	0	0
5	Installation of 6 MW Municipal-Owned Solar	27,000,000	0	0	0	0	4,050,000	22,950,000
6	Electrical Vault Replacement and Reinforcement Program (3229)	26,070,000	11,070,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
7	Substation Switch Replacement Program (3284)	8,259,000	1,999,000	1,460,000	1,200,000	1,200,000	1,200,000	1,200,000
8	Enterprise Asset Management ("EAM") System (3140)	7,588,278	7,588,278	0	0	0	0	0
9	Distribution Switch Replacement Program (3231)	21,762,500	9,537,500	2,925,000	2,925,000	2,125,000	2,125,000	2,125,000
10	Substation Modernization Program (3235)	14,523,000	7,186,000	1,317,000	2,010,000	1,000,000	2,010,000	1,000,000
11	2003 Power Plant Asset Reliability Upgrades (3186)	17,580,358	9,480,358	4,120,000	2,120,000	620,000	1,120,000	120,000
12	Receiving Station 35kV Upgrades (3262)	26,674,758	4,604,758	3,287,000	5,535,000	6,547,000	3,857,000	2,844,000
13	Distribution Transformer Replacement Program (3237)	12,460,000	4,960,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
14	Electric Vehicle Charging Infrastructure (3225)	27,162,000	15,172,000	1,990,000	2,500,000	2,500,000	2,500,000	2,500,000
15	Glenarm Energy Storage Systems (3206)	28,160,000	28,160,000	0	0	0	0	0
16	Installation of Low Voltage Electrical Services (3221)	41,456,750	25,456,750	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000
17	Fire Threat Mitigation Tier 2 Areas (3258)	14,764,000	4,126,000	1,528,000	1,100,000	2,670,000	2,670,000	2,670,000
18	Installation of High Voltage Electrical Services (3220)	39,075,000	22,575,000	3,300,000	3,300,000	3,300,000	3,300,000	3,300,000
19	Fire Threat Mitigation Tier 3 Areas (3257)	6,080,000	4,730,000	550,000	200,000	200,000	200,000	200,000
20	2016 Power Plant Asset Reliability Upgrades (3280)	11,625,800	5,725,800	0	2,600,000	3,100,000	100,000	100,000
21	1975 Power Plant Asset Reliability Upgrades (3182)	39,410,503	37,760,503	0	100,000	1,350,000	100,000	100,000
22	Customer Solar/Storage System Interconnections and Related Distribution System Upgrades (3287)	1,803,000	303,000	300,000	300,000	300,000	300,000	300,000
23	Fair Oaks and Brookside Substation Upgrades (3267)	75,009,000	2,048,000	4,961,000	11,500,000	15,500,000	22,500,000	18,500,000
24	Emergency Transmission and Distribution System Replacements (3222)	29,412,000	16,812,000	3,000,000	2,400,000	2,400,000	2,400,000	2,400,000
25	Mobile Substation (3259)	23,499,000	7,344,000	5,555,000	5,300,000	5,300,000	0	0
26	Deteriorated Pole Replacement Program (3233)	27,995,556	10,995,556	3,400,000	3,400,000	3,400,000	3,400,000	3,400,000
27	T.M. Goodrich Intertie Transformer Upgrades (3263)	65,210,031	2,241,031	1,510,000	1,567,000	1,446,000	1,446,000	57,000,000

Priority	Description	Total Estimated Costs	Appropriated Through FY 2026	Recommended FY 2027	Proposed FY 2028	Proposed FY 2029	Proposed FY 2030	Proposed FY 2031 and Beyond
28	Broadway Energy Storage Systems (3275)	38,036,500	5,036,500	0	78,650,000	120,150,000	120,300,000	300,000
29	Geographic Information System (GIS) Enhancements (3240)	3,448,500	1,631,000	1,330,000	162,500	130,000	97,500	97,500
30	Customer Experience and Operations Modernization Project - Power (3271)	14,115,000	8,115,000	420,000	1,395,000	1,395,000	1,395,000	1,395,000
31	Seismic and Reliability Upgrades of Power Facilities (3196)	3,271,000	3,271,000	0	0	0	0	0
32	Transmission System Enhancements (3195)	10,413,666	7,913,666	500,000	500,000	500,000	500,000	500,000
33	Power Substation Weatherizing Enhancements (3279)	3,313,500	1,110,500	475,000	432,000	432,000	432,000	432,000
34	Security, Access Control, and Lighting Program at Power Facilities (3248)	2,084,000	1,702,000	277,000	105,000	0	0	0
35	Emerging New Technology Development and Testing (3288)	42,864,000	164,000	40,000	40,000	25,040,000	17,540,000	40,000
36	Distribution System GIS Enhancements (3246)	796,521	596,521	0	50,000	50,000	50,000	50,000
37	Distribution System Expansion Program (3228)	17,769,528	8,169,528	2,200,000	3,000,000	2,100,000	1,300,000	1,000,000
38	Fiber Optic Cable Expansions / Overbuilds (3244)	1,337,000	737,000	0	150,000	150,000	150,000	150,000
39	Supervisory Control and Data Acquisition (SCADA) System Expansion (3245)	12,260,000	2,760,000	1,170,000	953,000	177,000	3,600,000	3,600,000
40	Power Facility Wastewater / Storm Water Capture and Treatment (3270)	28,853,000	8,453,000	0	20,100,000	100,000	100,000	100,000
41	Purchase of Vehicles and Equipment - Power Fund (3500)	23,912,847	9,365,547	3,704,000	2,697,500	2,718,300	2,697,500	2,730,000
42	Water & Power Office Consolidation (3285)	33,670,000	390,000	0	26,000,000	7,150,000	130,000	0
43	Customer Load Research Program (3241)	1,290,000	1,000,000	90,000	100,000	100,000	0	0
44	Santa Anita 35kV Receiving Station Upgrades (3260)	10,785,000	5,536,000	1,324,000	1,291,000	1,291,000	960,000	383,000
45	Management Information Systems - Power (3239)	3,361,500	2,474,000	400,000	162,500	130,000	97,500	97,500
46	Customer Infrastructure Upgrade Program (3269)	4,895,000	2,795,000	500,000	400,000	400,000	400,000	400,000
47	Santa Anita 17kV Substation Upgrades (3261)	4,628,603	2,862,603	900,000	0	433,000	433,000	0
48	Distribution Power Quality and Protection Enhancement Program (3252)	4,697,000	2,287,000	810,000	400,000	400,000	400,000	400,000
49	Radio Equipment Replacement - Power (3243)	1,562,500	1,195,000	140,000	97,500	65,000	32,500	32,500
50	Power Supply Facility Security (3234)	1,782,900	1,382,900	0	100,000	100,000	100,000	100,000
51	Replacement of Power Plant Instruments and Controls (3232)	730,000	230,000	20,000	120,000	120,000	120,000	120,000
52	Power Production Facility Improvements (3236)	3,494,320	2,744,320	350,000	100,000	100,000	100,000	100,000
53	Primary Dispatch Facility Remodel (3253)	11,633,800	1,879,000	600,000	3,807,225	4,558,475	789,100	0
54	Glenarm Receiving Station Upgrades (3266)	4,836,000	2,670,000	1,258,000	142,000	142,000	312,000	312,000
55	Power Integrated Resource Plan 2023 (3249)	1,680,000	1,430,000	250,000	0	0	0	0
56	Power Integrated Resource Plan 2028	1,550,000	0	100,000	900,000	350,000	100,000	100,000

Priority	Description	Total Estimated Costs	Appropriated Through FY 2026	Recommended FY 2027	Proposed FY 2028	Proposed FY 2029	Proposed FY 2030	Proposed FY 2031 and Beyond
57	Substation Oil Containment (3128)	5,276,352	5,276,352	0	0	0	0	0
58	Field Services and Meter Reading Automation (3025)	770,963	607,463	0	66,000	32,500	32,500	32,500
59	Power Transmission Program (3251)	1,883,000	1,083,000	0	270,000	180,000	170,000	180,000
60	Subtransmission Line Upgrades and Replacements 35 kV	9,070,000	0	0	10,000	3,020,000	3,020,000	3,020,000
61	Chester Substation Upgrades (3273)	21,507,000	1,609,000	0	347,000	6,517,000	6,517,000	6,517,000
62	Hastings Substation Upgrades	123,000	0	0	0	0	0	123,000
63	Oak Knoll Substation Upgrades (3277)	5,623,000	1,421,000	0	693,000	0	0	3,509,000
64	Villa Substation Upgrades (3278)	14,712,000	985,000	0	0	693,000	6,517,000	6,517,000
65	Wilson Substation Upgrades	12,407,904	0	0	0	123,000	6,142,452	6,142,452
66	Power System Equipment (3254)	3,559,847	3,559,847	0	0	0	0	0