

TWSD WATER & WASTEWATER Capital Improvement Plan Update 2023



OVERVIEW AND UPDATES SINCE 2013

PURPOSE OF A CAPITAL IMPROVEMENT PLAN (CIP)

- PROACTIVE EFFORT IN IDENTIFYING, BUDGETING, AND PRIORITIZING CAPITAL IMPROVEMENT PROJECTS
- ENABLE SYSTEM RELIABILITY THROUGH STRATEGICALLY PLANNED IMPROVEMENTS; MINIMIZE EMERGENCY RESPONSES DUE TO SYSTEM FAILURES
- LIVING DOCUMENT
- STRUCTURED FOR EASE OF FUTURE UPDATES
- PROVIDE DECISION MAKERS A TOOL FOR PROJECTING LONG-TERM NEEDS
- REDUCE OPERATION AND MAINTENANCE COSTS
- LONG-TERM PLANNING HORIZON PROMOTES
 - ENSURES NECESSARY FUNDING
 - CONSIDERS COST INCREASE ASSOCIATED WITH CPI CHANGES

OVERVIEW AND UPDATES SINCE 2013 *(continued)*

HISTORICAL

- IMPROVEMENTS IDENTIFIED IN THE 2013 10-YEAR CIP WERE REPRIORITIZED AS SOME IMPROVEMENTS WERE NOT FULLY IMPLEMENTED
- SYSTEM CRITICAL IMPROVEMENTS WERE COMPLETED AS NEEDED

UPDATED CIP BENEFITS

- INCLUDES 20-YEAR PLANNING HORIZON; INCLUDES PROJECTS TARGETED FURTHER INTO THE FUTURE
- INCORPORATES PURE WATER PROJECT
- SEPARATES JPA COSTS FROM DISTRICT'S CIP EXPENSES
- ADDS CATEGORIES FOR RESERVOIR, PUMPING FACILITY, AND PIPELINE PLANNING
- ADDRESSES TRANSITION PLAN IMPACTS – ADMINISTRATION AND FIELD SERVICES SPACE NEEDS

TWSD - WASTEWATER

Project Name	Start Plan/Design	Project Duration	CIP Year									
			1 FY 2024-25	2 FY 2025-26	3 FY 2026-27	4 FY 2027-28	5 FY 2028-29	6 FY 2029-30	7 FY 2030-31	8 FY 2031-32	9 FY 2032-33	10 FY 2033-34
Wastewater Assets												
JPA Pure Water Program	2021	NA	\$7,664,862	\$16,619,435	\$22,593,178	\$42,245,691	\$17,572,622	\$661,177				
JPA Wastewater Capital I	2021	NA	\$4,031,616	\$1,800,397	\$857,951	\$864,525	\$732,354	\$573,888	\$573,888	\$573,888	\$573,888	
D&C Westlake Lift Statio	2026	14		\$231,177	\$346,765							
D&C Bell Canyon Lift Sys	2029	16						\$387,563	\$710,532	\$193,781		
D&C North Shore Gravity	2038	24										
WW Collection System R	2024	NA	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Deerhill Operations Cent	2024	12	\$255,777	\$255,777								
New District Offices (56%	2033	36									\$1,371,147	\$1,371,147
TOTAL FISCAL YEAR			\$12,252,255	\$19,206,786	\$24,097,894	\$43,410,216	\$18,604,976	\$1,822,628	\$1,484,420	\$967,669	\$2,145,035	\$1,571,147
WASTEWATER FUNDING LESS JPA LIABILITY			\$555,777	\$786,954	\$646,765	\$300,000	\$300,000	\$587,563	\$910,532	\$393,781	\$1,571,147	\$1,571,147

Project Name	Start Plan/Design	Project Duration	CIP Year										TOTAL
			11 FY 2034-35	12 FY 2035-36	13 FY 2036-37	14 FY 2037-38	15 FY 2038-39	16 FY 2039-40	17 FY 2040-41	18 FY 2041-42	19 FY 2042-43	20 FY 2043-44	
Wastewater Assets													
JPA Pure Water Program	2021	NA											\$107,356,965
JPA Wastewater Capital I	2021	NA											\$10,582,395
D&C Westlake Lift Statio	2026	14											\$577,942
D&C Bell Canyon Lift Sys	2029	16											\$1,291,877
D&C North Shore Gravity	2038	24				\$491,650	\$913,064						\$1,404,714
WW Collection System R	2024	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	\$2,500,000
Deerhill Operations Cent	2024	12											\$511,554
New District Offices (56%	2033	36	\$2,056,720	\$2,056,720	\$4,113,440	\$2,742,293							\$13,711,466
TOTAL FISCAL YEAR			\$2,056,720	\$2,056,720	\$4,113,440	\$3,233,943	\$913,064	\$0	\$0	\$0	\$0	\$0	\$137,936,913
WASTEWATER FUNDING LESS JPA LIABILITY			\$2,056,720	\$2,056,720	\$4,113,440	\$3,233,943	\$913,064	\$0	\$0	\$0	\$0	\$0	\$19,997,553

TWSD – POTABLE WATER

Project Name	Start Plan/Design	Project Duration	CIP Year									
			FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Potable Water Assets												
D&C Savoy Pump Station	2027	20				\$561,333	\$1,403,332	\$841,999				
D&C Smoketree Pump Sta	2030	24							\$282,204	\$705,509	\$423,305	
PW Pipeline Rehabilitatic	2024	NA	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Reservoirs Rehabilitation	2024	NA	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Shared Assets												
Deerhill Operations Cent	2024	12	\$141,591	\$141,591								
New District Offices (31%	2033	36									\$759,028	\$759,028
TOTAL FISCAL YEAR			\$641,591	\$641,591	\$500,000	\$1,061,333	\$1,903,332	\$1,141,999	\$582,204	\$1,005,509	\$1,482,333	\$1,059,028

Project Name	Start Plan/Design	Project Duration	CIP Year										TOTAL
			FY 2034-35	FY 2035-36	FY 2036-37	FY 2037-38	FY 2038-39	FY 2039-40	FY 2040-41	FY 2041-42	FY 2042-43	FY 2043-44	
Potable Water Assets													
D&C Savoy Pump Station	2027	20											\$2,806,664
D&C Smoketree Pump Sta	2030	24											\$1,411,018
PW Pipeline Rehabilitatic	2024	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	\$2,000,000
Reservoirs Rehabilitation	2024	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	\$2,000,000
Shared Assets													
Deerhill Operations Cent	2024	12											\$283,182
New District Offices (31%	2033	36	\$1,138,541	\$1,138,541	\$2,277,083	\$1,518,055							\$7,590,276
TOTAL FISCAL YEAR			\$1,138,541	\$1,138,541	\$2,277,083	\$1,518,055	\$0	\$0	\$0	\$0	\$0	\$0	\$16,091,140

TWSD – RECYCLED WATER

Project Name	Start Plan/Design	Project Duration	CIP Year									
			FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Recycled Water Assets												
JPA Recycled Water Capi	2021	NA	\$169,697	\$176,519	\$433,944	\$168,391						
Regency Hills Pump Stati	2030	24							\$240,347	\$600,868	\$360,521	
Mae Boyer Pump Station	2039	20										
RW Reservoir Security Im	2025	NA		\$58,670	\$136,896							
RW Storage & Distributio	2024		\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Shared Assets												
Deerhill Operations Cent	2024	12	\$59,377	\$59,377								
New District Offices (13%	2033	36									\$318,302	\$318,302
TOTAL FISCAL YEAR			\$379,074	\$444,566	\$720,840	\$318,391	\$150,000	\$100,000	\$340,347	\$700,868	\$778,823	\$418,302
RECYCLED WATER FUNDING LESS JPA LIABILIT			\$209,377	\$268,047	\$286,896	\$150,000	\$150,000	\$100,000	\$340,347	\$700,868	\$778,823	\$418,302

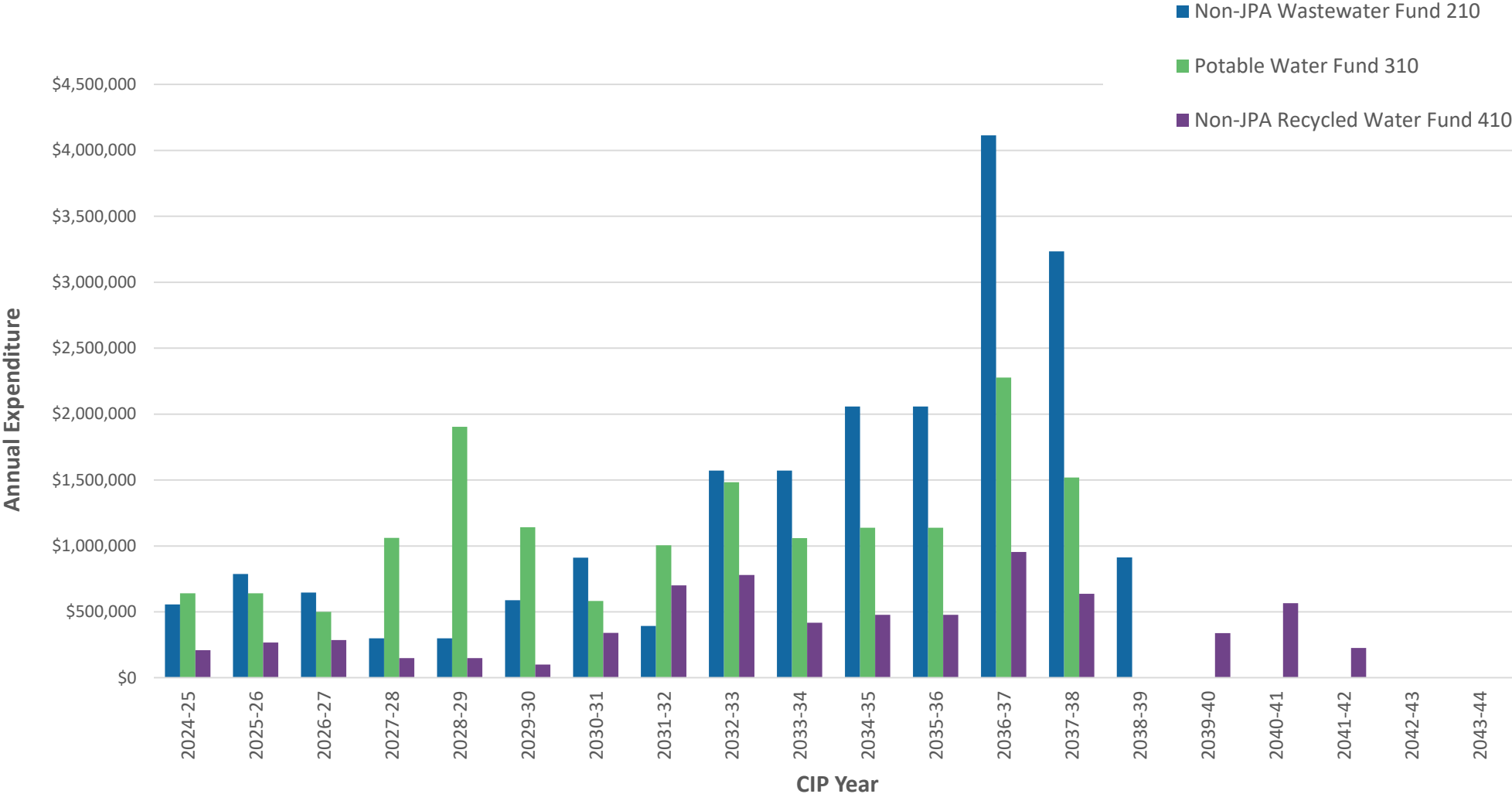
Project Name	Start Plan/Design	Project Duration	CIP Year										TOTAL
			FY 2034-35	FY 2035-36	FY 2036-37	FY 2037-38	FY 2038-39	FY 2039-40	FY 2040-41	FY 2041-42	FY 2042-43	FY 2043-44	
Recycled Water Assets													
JPA Recycled Water Capi	2021	NA											\$948,551
Regency Hills Pump Stati	2030	24											\$1,201,737
Mae Boyer Pump Station	2039	20							\$338,930	\$564,883	\$225,953		\$1,129,766
RW Reservoir Security Im	2025	NA											\$195,566
RW Storage & Distributio	2024												\$1,250,000
Shared Assets													
Deerhill Operations Cent	2024	12											\$118,754
New District Offices (13%	2033	36	\$477,453	\$477,453	\$954,906	\$636,604							\$3,183,019
TOTAL FISCAL YEAR			\$477,453	\$477,453	\$954,906	\$636,604	\$0	\$338,930	\$564,883	\$225,953	\$0	\$0	\$8,027,392
RECYCLED WATER FUNDING LESS JPA LIABILIT			\$477,453	\$477,453	\$954,906	\$636,604	\$0	\$338,930	\$564,883	\$225,953	\$0	\$0	\$7,078,841

TWSD – TOTAL ANNUAL EXPENSES

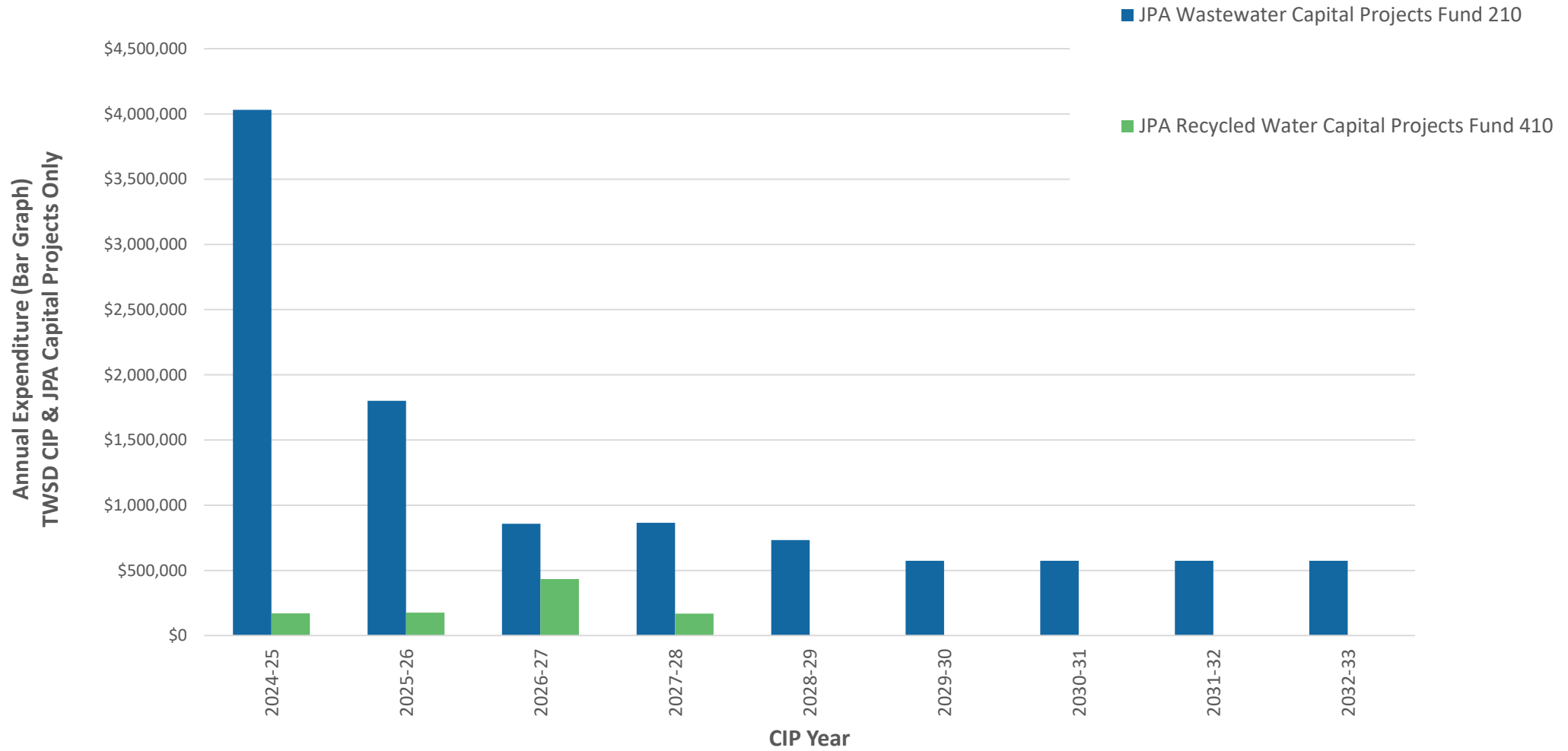
			CIP Year									
Segment			FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Annual Expenditures	WW	Fund 210	\$12,252,255	\$19,206,786	\$24,097,894	\$43,410,216	\$18,604,976	\$1,822,628	\$1,484,420	\$967,669	\$2,145,035	\$1,571,147
	PW	Fund 310	\$641,591	\$641,591	\$500,000	\$1,061,333	\$1,903,332	\$1,141,999	\$582,204	\$1,005,509	\$1,482,333	\$1,059,028
	RW	Fund 410	\$209,377	\$268,047	\$286,896	\$150,000	\$150,000	\$100,000	\$340,347	\$700,868	\$778,823	\$418,302
TOTAL ALL FUNDS			\$13,103,223	\$20,116,423	\$24,884,790	\$44,621,549	\$20,658,308	\$3,064,627	\$2,406,971	\$2,674,047	\$4,406,191	\$3,048,476
TOTAL ALL FUNDS LESS JPA WW LIABILITY			\$1,237,048	\$1,520,072	\$999,717	\$1,342,942	\$2,353,332	\$1,829,562	\$1,833,083	\$2,100,159	\$3,832,303	\$3,048,476

			CIP Year										
Segment			FY 2034-35	2035-36	2036-37	2037-38	2038-39	2039-40	2040-41	2041-42	2042-43	FY 2043-44	TOTAL
Annual Expenditures	WW	Fund 210	\$2,056,720	\$2,056,720	\$4,113,440	\$3,233,943	\$913,064	\$0	\$0	\$0	\$0	\$0	\$137,936,913
	PW	Fund 310	\$1,138,541	\$1,138,541	\$2,277,083	\$1,518,055	\$0	\$0	\$0	\$0	\$0	\$0	\$16,091,140
	RW	Fund 410	\$477,453	\$477,453	\$954,906	\$636,604	\$0	\$338,930	\$564,883	\$225,953	\$0	\$0	\$7,078,841
TOTAL ALL FUNDS			\$3,672,714	\$3,672,714	\$7,345,428	\$5,388,602	\$913,064	\$338,930	\$564,883	\$225,953	\$0	\$0	\$161,106,894
TOTAL ALL FUNDS LESS JPA WW LIABILITY			\$3,672,714	\$3,672,714	\$7,345,428	\$5,388,602	\$913,064	\$338,930	\$564,883	\$225,953	\$0	\$0	\$42,218,983

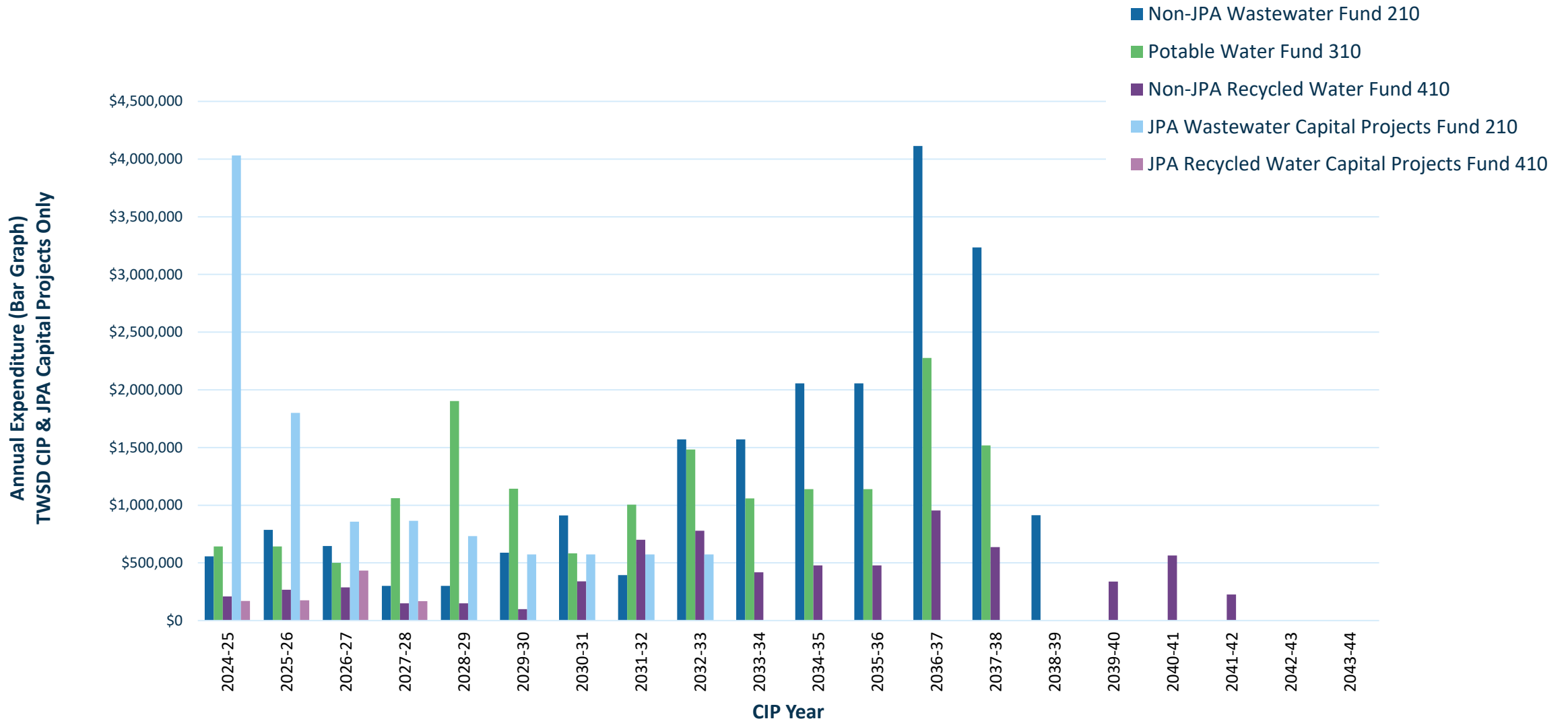
TWSD ONLY FY EXPENSES (NO PWP)



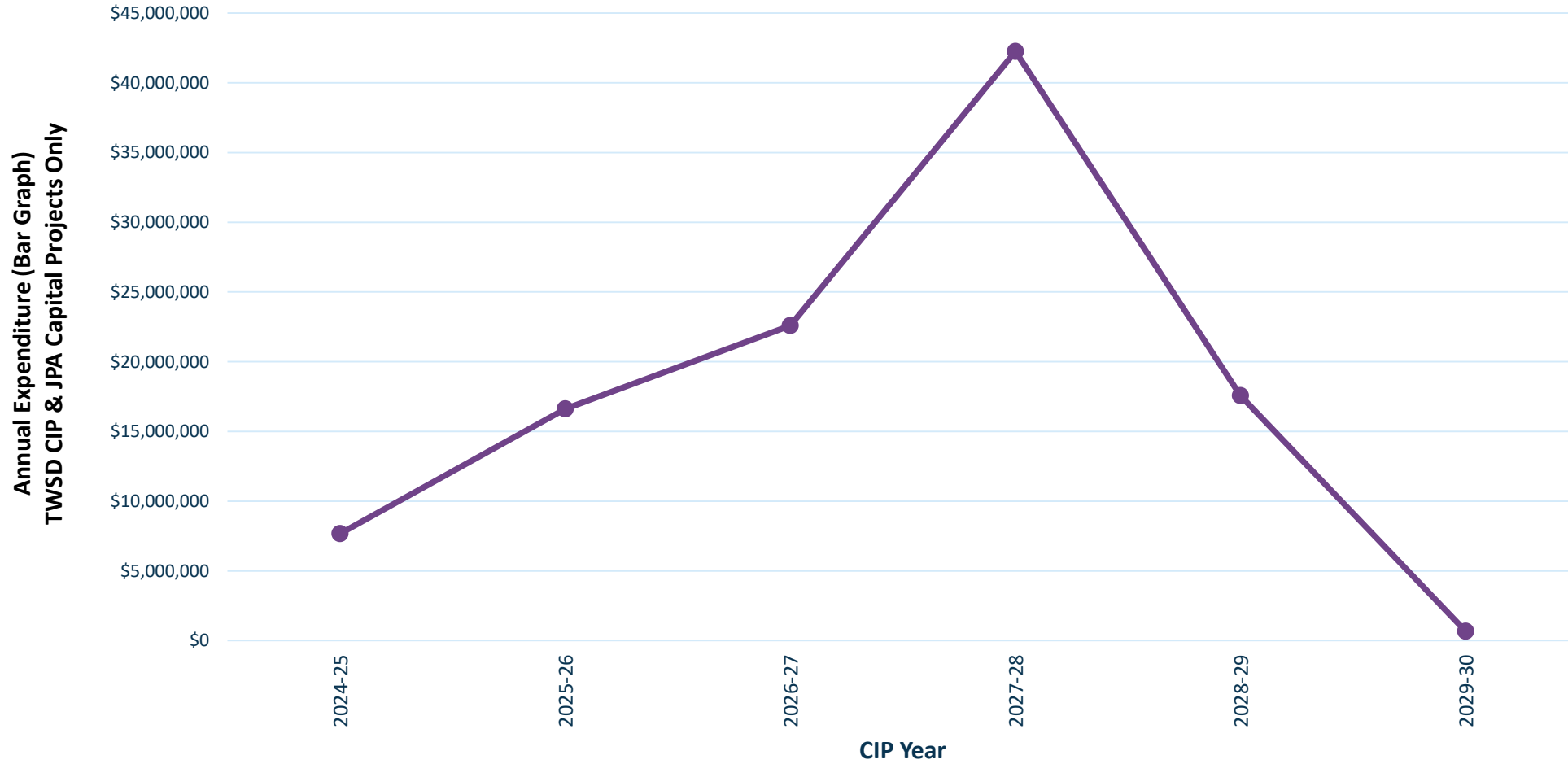
JPA ONLY FY EXPENSES (NO PWP)



JPA & TWSD FY EXPENSES (NO PWP)

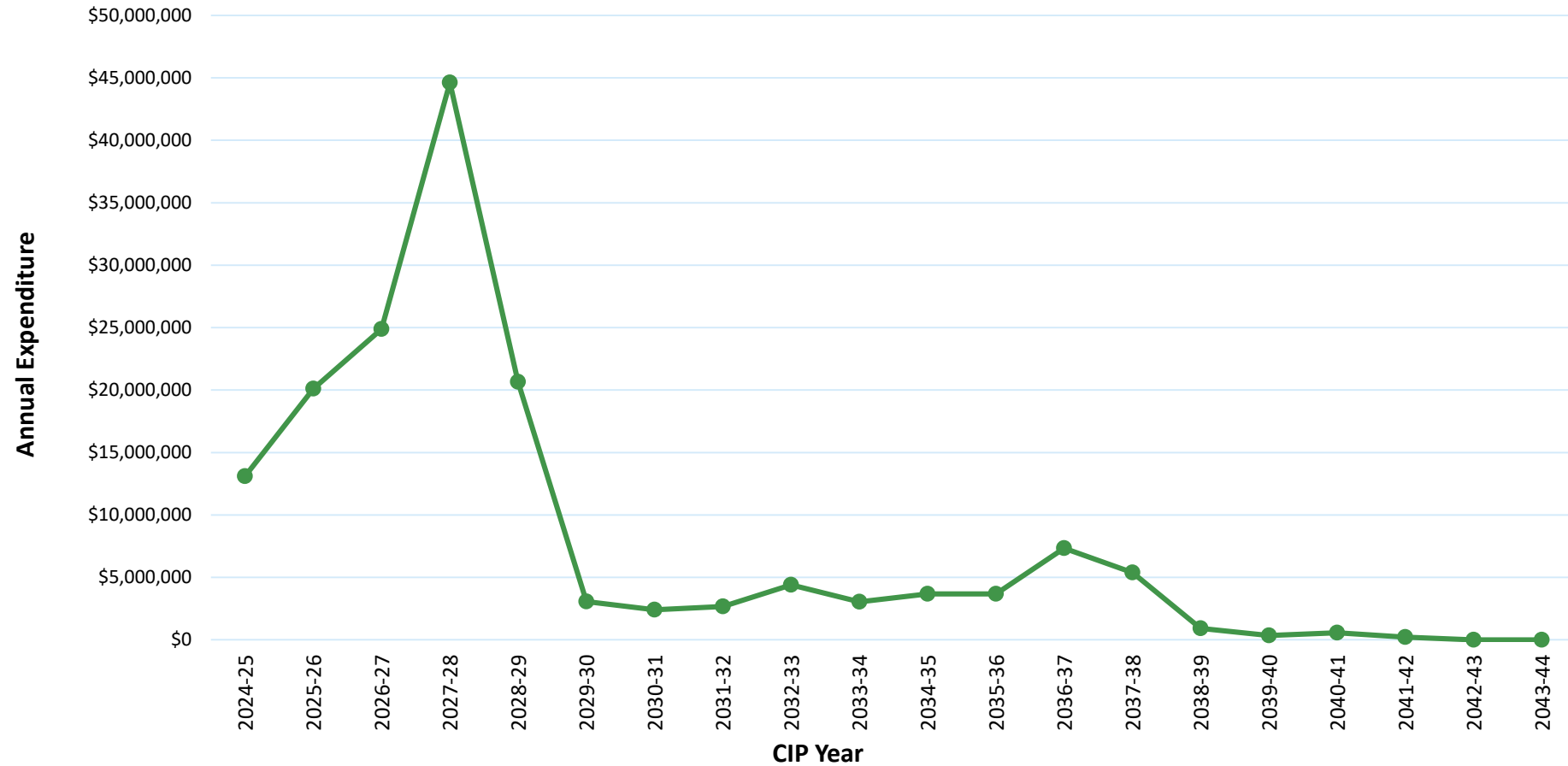


JPA & TWSD FY EXPENSES (NO PWP)



JPA & TWSD TOTAL FY EXPENSES

20-Year CIP Expenditures - All Department Funds
(JPA Obligation for Funds 210 & 410 are Included)





TRIUNFO
WATER & SANITATION DISTRICT

QUESTIONS?