

DELTA DIABLO 5-YEAR CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2024/2025-2028/2029
PROGRAM SUMMARY

Project Name	Project No.	Lead Dept.	Total Approved Budget	Adjusted Budget FY22/23 to FY23/24	Approved Budget FY23/24	Total FY23/24 Budget Appropriation	Projected FY23/24 Cash Flow (as of Jan)	Estimated Carryover Budget FY23/24 to FY24/25	FY24/25		FY25/26		FY26/27		FY27/28		FY28/29		5-Year Total Budget	5-Year Total Cashflow		
									Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow				
Wastewater Capital Asset (Fund 120)																						
Asset Management Program	19109	ES	\$ 1,000,000	35,619	250,000	285,619	200,000	85,619	0	85,619	0	0	0	0	0	0	0	0	0	\$ -	\$ 85,619	
RWF & TP Interlie	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300,000	300,000	\$ 300,000	\$ 300,000
<i>See Multi-Fund Projects for additional projects with WW CA funding</i>																						
Wastewater Capital Asset Replacement (Fund 130)																						
Treatment Plant Switchgear Replacement	17120	ES	\$ 12,201,305	2,168,019	0	2,168,019	2,168,019	0	800,000	800,000	0	0	0	0	0	0	0	0	0	0	\$ 800,000	\$ 800,000
Treatment Plant Roadway Maintenance Project	18115	ES	\$ -	0	0	0	0	0	0	0	250,000	250,000	750,000	750,000	0	0	0	0	0	0	\$ 1,000,000	\$ 1,000,000
Emergency Retention Basin Improvements	19110	ES	\$ 500,000	500,000	0	500,000	150,000	350,000	0	350,000	500,000	500,000	0	0	0	0	0	0	0	0	\$ 500,000	\$ 850,000
Triangle Pump Station and Force Main Replacement	19111	ES	\$ -	0	0	0	0	0	0	0	0	0	500,000	500,000	0	0	0	0	0	0	\$ 500,000	\$ 500,000
PFM 2401 Dresser Coupling Removal & ARV2001 Repair	21116	ES	\$ 350,000	0	350,000	350,000	100,000	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0	\$ -	\$ 250,000
Cogeneration System Improvements	22114	ES	\$ 1,850,000	72,917	1,500,000	1,572,917	1,572,917	0	4,550,000	4,550,000	6,200,000	6,200,000	900,000	900,000	0	0	0	0	0	0	\$ 11,650,000	\$ 11,650,000
CCT Analyzer Building Improvements	22123	ES	\$ 400,000	88,796	300,000	388,796	200,000	188,796	200,000	388,796	0	0	0	0	0	0	0	0	0	0	\$ 200,000	\$ 388,796
Cathodic Protection Monitoring Program	22124	ES	\$ 100,000	50,000	50,000	100,000	25,000	75,000	0	75,000	0	0	50,000	50,000	0	0	50,000	50,000	0	0	\$ 100,000	\$ 175,000
Manhole Performance Monitoring Program	22125	ES	\$ 100,000	50,000	50,000	100,000	25,000	75,000	0	75,000	0	0	50,000	50,000	0	0	50,000	50,000	0	0	\$ 100,000	\$ 175,000
Dewat Polymer Separation	23114	RRS	\$ 160,000	160,000	0	160,000	100,000	60,000	0	60,000	0	0	0	0	0	0	0	0	0	0	\$ -	\$ 60,000
CCT Assessment and Repair	24110	ES	\$ 500,000	0	500,000	500,000	250,000	250,000	200,000	450,000	0	0	0	0	0	0	0	0	0	0	\$ 200,000	\$ 450,000
Conveyance System Assessment	24111	ES	\$ 500,000	0	500,000	500,000	250,000	250,000	250,000	500,000	0	0	0	0	0	0	0	0	0	0	\$ 250,000	\$ 500,000
Treatment Plant Outfall Pipeline Cleaning & Inspection	24115	ES	\$ 600,000	0	600,000	600,000	200,000	400,000	100,000	500,000	0	0	0	0	0	0	0	0	0	0	\$ 100,000	\$ 500,000
Unanticipated WW Treatment & Conveyance Infrastructure Repairs	24209	ES	\$ 500,000	0	500,000	500,000	500,000	0	750,000	750,000	250,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$ 1,300,000	\$ 1,300,000
Lab Equipment Replacement	24210	RRS	\$ 125,000	0	125,000	125,000	125,000	0	75,000	75,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	\$ 175,000	\$ 175,000
IT Equipment Replacement	24211	BS	\$ 50,000	0	50,000	50,000	50,000	0	50,000	50,000	400,000	400,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	\$ 600,000	\$ 600,000
Vehicle Replacements	24213	RRS	\$ 450,000	0	450,000	450,000	450,000	0	600,000	600,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$ 1,000,000	\$ 1,000,000
Biosolids Management Master Plan	TBA	ES	\$ -	0	0	0	0	0	0	0	400,000	400,000	0	0	0	0	0	0	0	0	\$ 400,000	\$ 400,000
Electrical System Master Plan & Arc Flash Study	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	500,000	500,000	0	0	0	0	0	0	\$ 500,000	\$ 500,000
SCADA Master Plan Update	TBA	ES	\$ -	0	0	0	0	0	500,000	500,000	0	0	0	0	0	0	0	0	0	0	\$ 500,000	\$ 500,000
Primary Clarifier Nos. 1-4 Coating	TBA	ES	\$ -	0	0	0	0	0	0	0	400,000	400,000	500,000	500,000	500,000	500,000	0	0	0	0	\$ 1,400,000	\$ 1,400,000
Primary Clarifiers Controls System Improvements	TBA	ES	\$ -	0	0	0	0	0	250,000	250,000	0	0	0	0	0	0	0	0	0	0	\$ 250,000	\$ 250,000
RAS Pump Rehabilitation	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	300,000	300,000	0	0	0	0	0	0	\$ 300,000	\$ 300,000
Digester No. 3 Rehabilitation	TBA	ES	\$ -	0	0	0	0	0	350,000	350,000	550,000	550,000	0	0	0	0	0	0	0	0	\$ 900,000	\$ 900,000
Secondary Clarifier Area Improvements	TBA	ES	\$ -	0	0	0	0	0	0	0	350,000	350,000	650,000	650,000	0	0	0	0	0	0	\$ 1,000,000	\$ 1,000,000
Treatment Plant Structural Assessment & Rehabilitation	TBA	ES	\$ -	0	0	0	0	0	250,000	250,000	450,000	450,000	0	0	0	0	0	0	0	0	\$ 700,000	\$ 700,000
Gravity Belt Thickener Improvements	TBA	ES	\$ -	0	0	0	0	0	0	0	300,000	300,000	1,000,000	1,000,000	0	0	0	0	0	0	\$ 1,300,000	\$ 1,300,000
WAS Pump Station Rehabilitation	TBA	ES	\$ -	0	0	0	0	0	0	0	50,000	50,000	0	0	0	0	0	0	0	0	\$ 50,000	\$ 50,000
RAS Meter Pit Improvements	TBA	ES	\$ -	0	0	0	0	0	0	0	300,000	300,000	0	0	0	0	0	0	0	0	\$ 300,000	\$ 300,000
Chemical Canopy Rehabilitation	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	800,000	800,000	0	0	0	0	0	0	\$ 800,000	\$ 800,000
FEB Slide Gate Replacements	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	0	0	400,000	400,000	0	0	\$ 400,000	\$ 400,000
Condition Assessment of Treatment Plant Underground Piping	TBA	ES	\$ -	0	0	0	0	0	0	0	400,000	400,000	0	0	0	0	0	0	0	0	\$ 400,000	\$ 400,000
Sanitary Drain PS Rehabilitation	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600,000	600,000	\$ 600,000	\$ 600,000
Centrifuge Platform Area Improvements	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	1,500,000	1,500,000	2,000,000	2,000,000	2,000,000	2,000,000	\$ 3,500,000	\$ 3,500,000
Improvements at Secondary Effluent Feed to RWF	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	150,000	150,000	150,000	150,000	150,000	150,000	\$ 300,000	\$ 300,000
CCT Sluice Gates & Chemical Mixer Replacements	TBA	RRS	\$ -	0	0	0	0	0	0	0	0	0	400,000	400,000	1,100,000	1,100,000	0	0	0	0	\$ 1,500,000	\$ 1,500,000
POC HVAC System Replacement	TBA	ES	\$ -	0	0	0	0	0	500,000	500,000	400,000	400,000	0	0	0	0	0	0	0	0	\$ 900,000	\$ 900,000
Ops Control Room Improvements	TBA	ES	\$ -	0	0	0	0	0	0	0	400,000	400,000	0	0	0	0	0	0	0	0	\$ 400,000	\$ 400,000
Broadway Diversion Facility Water Service Replacement	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250,000	250,000	\$ 250,000	\$ 250,000
PPS Slide Gate & Wetwell Ventilation Improvements	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	0	0	400,000	400,000	400,000	400,000	\$ 400,000	\$ 400,000
Portable Generator Procurement	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	0	0	300,000	300,000	300,000	300,000	\$ 300,000	\$ 300,000
Electric Vehicle Charging Stations	TBA	ES	\$ -	0	0	0	0	0	200,000	200,000	0	0	0	0	0	0	0	0	0	0	\$ 200,000	\$ 200,000
Server and PLC Backup Power (New)	TBA	ES	\$ -	0	0	0	0	0	50,000	50,000	0	0	0	0	0	0	0	0	0	0	\$ 50,000	\$ 50,000
Headwork Overflow Improvements (New)	TBA	ES	\$ -	0	0	0	0	0	80,000	80,000	0	0	0	0	0	0	0	0	0	0	\$ 80,000	\$ 80,000
PLC Replacement (New)	TBA	ES	\$ -	0	0	0	0	0	0	0	350,000	350,000	2,150,000	2,150,000	0	0	0	0	0	0	\$ 2,500,000	\$ 2,500,000
PPS Pump Replacement (New)	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	500,000	500,000	2,500,000	2,500,000	3,000,000	3,000,000	\$ 3,000,000	\$ 3,000,000
Remote Site Diversion Pump Replacement (New)	TBA	RRS	\$ -	0	0	0	0	0	300,000	300,000	0	0	300,000	300,000	0	0	300,000	300,000	0	0	\$ 900,000	\$ 900,000
Primary-Secondary Clarifier Davit Arm and Stairwell Improvements (New)	TBA	RRS	\$ -	0	0	0	0	0	150,000	150,000	0	0	0	0	0	0	0	0	0	0	\$ 150,000	\$ 150,000
<i>See Multi-Fund Projects for additional projects with WW CAR funding</i>																						
Wastewater Expansion (Fund 140)																						
<i>See Multi-Fund Projects for additional projects with WW Exp funding</i>																						
Advanced Treatment (Fund 125)																						
<i>See Multi-Fund Projects for additional projects with AT funding</i>																						
Recycled Water Capital Asset (Fund 220)																						
Small RWF Capital Asset Project	24203	ES	\$ 50,000	0	50,000	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -
RWF IPS, Process Line Modification, and Blowdown	TBA	ES	\$ -	0	0	0	0	0	0	0	0	0	0	0	250,000	250,000	850,000	850,000	1,100,000	1,100,000	\$ 1,100,000	\$ 1,100,000
TP Flow Equalization Improvements - ESB	TBA	ES	\$ -	0	0	0																

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									Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow	Estimated Budget	Estimated Cashflow				
Bay Point Collection (Fund 520)																						
Bay Point Collection System Point Repairs	23119	ES	\$ 450,000	144,488	300,000	444,488	250,000	194,488	200,000	394,488	0	0	0	0	0	0	0	0	0	\$ 200,000	\$ 394,488	
Unanticipated Bay Point Repairs	24206	ES	\$ 100,000	0	100,000	100,000	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	\$ 500,000	\$ 500,000	
Bay Point Overlay Manhole Adjustments	20116	ES	\$ -	0	0	0	0	0	0	0	0	0	100,000	100,000	0	0	0	0	0	\$ 100,000	\$ 100,000	
<i>See Multi-Fund Projects for additional projects with BP Coll funding</i>																						
Household Hazardous Waste (Fund 310)																						
Household Hazardous Waste Improvements	24205	ES	\$ 25,000	0	25,000	25,000	250,000	(225,000)	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	300,000	300,000	\$ 400,000	\$ 400,000
<i>See Multi-Fund Projects for additional projects with HHW funding</i>																						
Multi-Fund Projects																						
Antioch Pump Station and Conveyance System Improvements	20121	ES	\$ 1,350,000	282,089	300,000	582,089	300,000	282,089	1,300,000	1,582,089	3,500,000	3,500,000	6,500,000	6,500,000	5,000,000	5,000,000	1,350,000	1,350,000	\$ 17,650,000	\$ 17,932,089		
Wastewater Capital Asset Replacement (80%)			\$ 1,080,000	225,671	240,000	465,671	240,000	225,671	1,040,000	1,265,671	2,800,000	2,800,000	5,200,000	5,200,000	4,000,000	4,000,000	1,080,000	1,080,000	\$ 14,120,000	\$ 14,345,671		
Wastewater Expansion (20%)			\$ 270,000	56,418	60,000	116,418	60,000	56,418	260,000	316,418	700,000	700,000	1,300,000	1,300,000	1,000,000	1,000,000	270,000	270,000	\$ 3,530,000	\$ 3,586,418		
Site Security Improvements	21113	ES	\$ 236,503	236,503	0	236,503	100,000	136,503	350,000	486,503	500,000	500,000	0	0	0	0	0	0	0	\$ 850,000	\$ 986,503	
Wastewater Capital Asset Replacement (70%)			\$ 165,552	165,552	0	165,552	70,000	95,552	245,000	340,552	350,000	350,000	0	0	0	0	0	0	0	\$ 595,000	\$ 690,552	
Bay Point Collection (20%)			\$ 47,301	47,301	0	47,301	20,000	27,301	70,000	97,301	100,000	100,000	0	0	0	0	0	0	0	\$ 170,000	\$ 197,301	
Household Hazardous Waste (10%)			\$ 23,650	23,650	0	23,650	10,000	13,650	35,000	48,650	50,000	50,000	0	0	0	0	0	0	0	\$ 85,000	\$ 98,650	
Manhole, Gravity Interceptor, and Easement Road Improvements, Phase 1	21114	ES	\$ 4,500,000	795,984	3,000,000	3,795,984	3,400,000	395,984	400,000	795,984	0	0	0	0	0	0	0	0	0	\$ 400,000	\$ 795,984	
Wastewater Capital Asset Replacement (70%)			\$ 3,015,000	533,309	2,010,000	2,543,309	2,278,000	265,309	268,000	533,309	0	0	0	0	0	0	0	0	0	\$ 268,000	\$ 533,309	
Bay Point Collection (30%)			\$ 1,485,000	262,675	990,000	1,252,675	1,122,000	130,675	132,000	262,675	0	0	0	0	0	0	0	0	0	\$ 132,000	\$ 262,675	
Manhole, Gravity Interceptor, and Easement Road Improvements, Phase 2	24112	ES	\$ 500,000	0	500,000	500,000	250,000	250,000	500,000	750,000	3,000,000	3,000,000	6,000,000	6,000,000	1,000,000	1,000,000	0	0	\$ 10,500,000	\$ 10,750,000		
Wastewater Capital Asset Replacement (70%)			\$ 335,000	0	335,000	335,000	167,500	167,500	335,000	502,500	2,010,000	2,010,000	4,020,000	4,020,000	670,000	670,000	0	0	\$ 7,035,000	\$ 7,202,500		
Bay Point Collection (30%)			\$ 165,000	0	165,000	165,000	82,500	82,500	165,000	247,500	990,000	990,000	1,980,000	1,980,000	330,000	330,000	0	0	\$ 3,465,000	\$ 3,547,500		
Secondary Process Improvements	22126	ES	\$ 1,100,000	489,514	600,000	1,089,514	1,089,514	0	6,000,000	6,000,000	13,000,000	13,000,000	30,000,000	30,000,000	32,000,000	32,000,000	22,900,000	22,900,000	\$ 103,900,000	\$ 103,900,000		
Wastewater Capital Asset Replacement (78%)			\$ 748,000	332,870	408,000	740,870	740,870	0	4,080,000	4,080,000	8,840,000	8,840,000	20,400,000	20,400,000	21,760,000	21,760,000	15,572,000	15,572,000	\$ 70,652,000	\$ 70,652,000		
Wastewater Expansion (16%)			\$ 143,000	63,637	78,000	141,637	141,637	0	780,000	780,000	1,690,000	1,690,000	3,900,000	3,900,000	4,160,000	4,160,000	2,977,000	2,977,000	\$ 13,507,000	\$ 13,507,000		
Advanced Treatment (6%)			\$ 209,000	93,008	114,000	207,008	207,008	0	1,140,000	1,140,000	2,470,000	2,470,000	5,700,000	5,700,000	6,080,000	6,080,000	4,351,000	4,351,000	\$ 19,741,000	\$ 19,741,000		
RWMP & RWF Condition Assessment	24113	ES	\$ 550,000	0	550,000	550,000	300,000	250,000	200,000	450,000	0	0	0	0	0	0	0	0	\$ 200,000	\$ 450,000		
Advanced Treatment (50%)			\$ 275,000	0	275,000	275,000	150,000	125,000	100,000	225,000	0	0	0	0	0	0	0	0	\$ 100,000	\$ 225,000		
Recycled Water Capital Asset (50%)			\$ 275,000	0	275,000	275,000	150,000	125,000	100,000	225,000	0	0	0	0	0	0	0	0	\$ 100,000	\$ 225,000		
All Funds Total			\$ 58,180,713	\$8,207,559	\$13,400,000	\$21,607,559	\$16,331,161	\$4,976,398	\$19,380,000	\$23,123,479	\$32,300,000	\$32,300,000	\$51,950,000	\$51,950,000	\$44,300,000	\$44,300,000	\$35,275,000	\$35,275,000	\$ 183,205,000	\$ 186,948,479		
Wastewater Capital Asset Fund Total			\$1,050,000	\$35,619	\$300,000	\$335,619	\$250,000	\$85,619	\$0	\$85,619	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$ 300,000	\$ 385,619		
Wastewater Capital Asset Replacement Fund Total			\$52,662,762	\$7,388,634	\$9,818,000	\$17,206,634	\$12,945,887	\$3,960,748	\$16,173,000	\$19,075,829	\$26,075,000	\$26,075,000	\$38,745,000	\$38,745,000	\$31,055,000	\$31,055,000	\$23,327,000	\$23,327,000	\$ 135,375,000	\$ 138,277,829		
Wastewater Expansion Fund Total			\$413,000	\$120,055	\$138,000	\$258,055	\$201,637	\$56,418	\$1,040,000	\$1,096,418	\$2,390,000	\$2,390,000	\$5,200,000	\$5,200,000	\$5,160,000	\$5,160,000	\$3,247,000	\$3,247,000	\$ 17,037,000	\$ 17,093,418		
Advanced Treatment Fund Total			\$484,000	\$93,008	\$389,000	\$482,008	\$357,008	\$125,000	\$1,240,000	\$1,365,000	\$2,470,000	\$2,470,000	\$5,700,000	\$5,700,000	\$6,080,000	\$6,080,000	\$4,351,000	\$4,351,000	\$ 19,841,000	\$ 19,966,000		
Recycled Water Capital Asset Fund Total			\$325,000	\$0	\$325,000	\$325,000	\$200,000	\$125,000	\$100,000	\$225,000	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$1,050,000	\$1,050,000	\$ 1,400,000	\$ 1,525,000		
Recycled Water Capital Asset Replacement Fund Total			\$950,000	\$92,130	\$850,000	\$942,130	\$542,130	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,300,000	\$1,300,000	\$2,400,000	\$2,400,000	\$ 4,000,000	\$ 4,000,000		
Recycled Water Expansion Fund Total			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$ 200,000	\$ 200,000		
Bay Point Collections Fund Total			\$2,247,301	\$454,463	\$1,555,000	\$2,009,463	\$1,574,500	\$434,963	\$667,000	\$1,101,963	\$1,190,000	\$1,190,000	\$2,180,000	\$2,180,000	\$430,000	\$430,000	\$100,000	\$100,000	\$ 4,567,000	\$ 5,001,963		
Household Hazardous Waste Fund Total			\$48,650	\$23,650	\$25,000	\$48,650	\$260,000	-\$211,350	\$60,000	\$73,650	\$75,000	\$75,000	\$25,000	\$25,000	\$25,000	\$25,000	\$300,000	\$300,000	\$ 485,000	\$ 498,650		