

Board of Directors Workshop, March 11, 2025
Capital Improvement Projects – Water
2025 through 2045

CIP No.	CIP Item Description	Quantity	Unit	Unit Cost of Construction	Construction Cost	Construction Contingency	Implementation Contingencies	TOTAL DISTRICT FUNDED	TOTAL DEVELOPER FUNDED
Pump Station Improvements									
	Booster Pump Rehabilitation Design	1	EA	\$180,000	\$ 180,000	\$ -	\$ -	\$ 180,000	\$ -
	Replace Low Northridge BPS with 3 - 250 gpm units and relocate to the High Northridge Tank site	1	LS	\$1,850,000	\$ 1,850,000	\$ 555,000	\$ 661,375	\$ 3,066,375	\$ -
	New 1700 BPS	1	LS	\$1,550,000	\$ 1,550,000	\$ 465,000	\$ 554,125	\$ -	\$ 2,569,125
Well/Supply Improvements									
11147	Well 42 Installation ¹	1	LS	\$4,973,000	\$ 4,973,000	\$ -	\$ -	\$ 4,973,000	\$ -
11611	Well 22 Rehabilitation ¹	1	LS	\$1,460,000	\$ 1,460,000	\$ -	\$ -	\$ 1,460,000	\$ -
	Well 28 Rehabilitation	1	LS	\$790,200	\$ 790,200	\$ -	\$ -	\$ 790,200	\$ -
11742	Well 34 Rehabilitation ¹	1	LS	\$500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
11741	Well 35 Upgrades ¹	1	LS	\$2,955,990	\$ 2,955,990	\$ -	\$ -	\$ -	\$ 2,955,990
	Well Rehab Program Design	2	EA	\$120,000	\$ 240,000	\$ -	\$ -	\$ 240,000	\$ -
Storage Improvements									
11607	Terrance Reservoir #1 Rehabilitation ¹	1	LS	\$2,754,343	\$ 2,754,343	\$ -	\$ -	\$ 2,754,343	\$ -
11608	Terrance Reservoir #2 Rehabilitation ¹	1	LS	\$2,814,461	\$ 2,814,461	\$ -	\$ -	\$ 2,814,461	\$ -
11609	Terrance Reservoir #3 Rehabilitation ¹	1	LS	\$2,361,363	\$ 2,361,363	\$ -	\$ -	\$ 2,361,363	\$ -
11610	Vista Reservoir Rehabilitation ¹	1	LS	\$975,427	\$ 975,427	\$ -	\$ -	\$ 975,427	\$ -
	Reservoir Rehab Program Design	1	LS	\$300,000	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -
	Seismic Upgrades Assessments	5	EA	\$20,000	\$ 100,000	\$ -	\$ -	\$ 100,000	\$ -
	New 1700 Reservoir (1.0-MG Steel)	1	LS	\$2.0/gal	\$ 2,000,000	\$ 600,000	\$ 715,000	\$ -	\$ 3,315,000
Piping Improvements									
11622	Install 12-inch main in Palm Dr to connect 1400 Zones	1,000	LF	\$350/LF	\$ 350,000	\$ 105,000	\$ 125,125	\$ 580,125	\$ -
118674	GQPP AD-18 Area D3-1 Water Main Replacement	1	LS	\$ 2,555,624	\$ 2,555,624	\$ -	\$ -	\$ 2,555,624	\$ -
	Install 8-inch main in Haugen-Lehmann Way	3,500	LF	\$350/LF	\$ 1,225,000	\$ 367,500	\$ 437,938	\$ 2,030,438	\$ -
	Water CIP Pipeline Condition Assessment Program	2	miles/yr	\$25,000/mile	\$ 250,000	\$ -	\$ -	\$ 250,000	\$ -
	Pipeline Replacement Program	7,000	LF	\$350/LF	\$ 2,450,000	\$ 735,000	\$ 875,875	\$ 4,060,875	\$ -
11743	Well 34/35 Intertie	1	LS	\$ 1,100,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 1,100,000
Other Improvements									
11460	Well 29 Chromium Treatment Design	1	LS	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -
	Chromium Treatment	5	EA	\$ 5,000,000	\$ 25,000,000	\$ -	\$ -	\$ 25,000,000	\$ -
	Block wall & fencing at Terrace Reservoirs	1	LS	\$ 226,288	\$ 226,288	\$ -	\$ -	\$ 226,288	\$ -
	Well & Reservoir Site Security Cameras	1	LS	\$ 225,075	\$ 225,075	\$ -	\$ -	\$ 225,075	\$ -
	Modular Enclosure - Chlorine Equipment	1	LS	\$ 124,180	\$ 124,180	\$ -	\$ -	\$ 124,180	\$ -
TOTAL								\$ 55,267,774	\$ 10,440,115

2030 WATER CIP

CIP Item Description	Quantity	Unit	Unit Cost of Construction	Construction Cost	Construction Contingency	Implementation Contingencies	TOTAL DISTRICT FUNDED	TOTAL DEVELOPER FUNDED
Booster Station Upgrades								
Booster Pump Rehabilitation Design	1	EA	\$180,000	\$ 180,000	\$ -	\$ -	\$ 180,000	\$ -
New 1875 BPS	1	LS	\$1,550,000	\$ 1,550,000	\$ 465,000	\$ 554,125	\$ -	\$ 2,569,125
Well Supply								
Well Rehab Program Design	2	EA	\$120,000	\$ 240,000	\$ -	\$ -	\$ 240,000	\$ -
Storage								
Seismic Upgrades Assessments	5	EA	\$20,000	\$ 100,000	\$ -	\$ -	\$ 100,000	
New 1875 Reservoir (1.0 MG Steel)	1	LS	\$2.0/gal	\$ 2,000,000	\$ 600,000	\$ 715,000	\$ -	\$ 3,315,000
Reservoir Rehab Program Design	1	LS	\$300,000	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -
Piping								
WPSV and PSC system interconnect	8,000	LF	\$400/LF	\$ 3,200,000	\$ 960,000	\$ 1,144,000	\$ 5,304,000	\$ -
NW transmission system piping	16,500	LF	\$400/LF	\$ 6,600,000	\$ 1,980,000	\$ 2,359,500	\$ 10,939,500	\$ -
Water CIP Pipeline Condition Assessment Program	2	miles/yr	\$25,000/mile	\$ 250,000	\$ -	\$ -	\$ 250,000	\$ -
Pipeline Replacement Program	4,000	LF/yr	\$350/LF	\$ 7,000,000	\$ 2,100,000	\$ 2,502,500	\$ 11,602,500	\$ -
Other								
Meter Replacement (Annual)	1	LS	\$ 30,000	\$ 150,000	\$ -	\$ -	\$ 150,000	\$ -
TOTAL							\$ 29,066,000	\$ 5,884,125

2035 WATER CIP

CIP Item Description	Quantity	Unit	Unit Cost of Construction	Construction Cost	Construction Contingency	Implementation Contingencies	TOTAL DISTRICT FUNDED	TOTAL DEVELOPER FUNDED
Booster Station Upgrades								
Terrace Booster Replacement	1	EA	\$1,500,000	\$ 1,500,000	\$ 450,000	\$ 412,500	\$ 2,362,500	\$ -
New 2035 BPS	1	LS	\$850,000	\$ 850,000	\$ 255,000	\$ 303,875	\$ -	\$ 1,408,875
New 2155 Hydropneumatic PS	1	LS	\$850,000	\$ 850,000	\$ 255,000	\$ 303,875	\$ -	\$ 1,408,875
Booster Pump Rehabilitation Design	1	EA	\$180,000	\$ 180,000	\$ -	\$ -	\$ 180,000	\$ -
Well Supply								
Well Rehab Program Design	2	EA	\$120,000	\$ 240,000	\$ -	\$ -	\$ 240,000	\$ -
Storage								
Seismic Upgrades Assessments	5	EA	\$20,000	\$ 100,000	\$ -	\$ -	\$ 100,000	\$ -
Reservoir Rehab Program Design	1	LS	\$300,000	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -
New 2035 Reservoir (1.0 MG Steel)	1	LS	\$2.0/gal	\$ 2,000,000	\$ 600,000	\$ 715,000	\$ -	\$ 3,315,000
Vista #2 Reservoir Construction (0.75 MG Steel)	0.75	MG	\$2.5/gal	\$ 1,875,000	\$ 562,500	\$ 670,313	\$ 3,107,813	\$ -
Valley View Reservoir #2 (2.45-MG Concrete)	2.24	MG	\$2.0/gal	\$ 4,480,000	\$ 1,344,000	\$ 1,601,600	\$ 7,425,600	\$ -
Piping								
Water CIP Pipeline Condition Assessment Program	2	miles/yr	\$25,000/mile	\$ 250,000	\$ -	\$ -	\$ 250,000	\$ -
Pipeline Replacement Program	4,000	LF/yr	\$350/LF	\$ 7,000,000	\$ 2,100,000	\$ 2,502,500	\$ 11,602,500	\$ -
Other								
Trailer-mounted Portable Generators	1	LS	\$ 537,375	\$ 537,375	\$ -	\$ -	\$ 537,375	\$ -
Meter Replacement (Annual)	1	LS	\$ 30,000	\$ 150,000	\$ -	\$ -	\$ 150,000	\$ -
TOTAL							\$ 26,255,788	\$ 6,132,750

CIP Item Description	Quantity	Unit	Unit Cost of Construction	Construction Cost	Construction Contingency	Implementation Contingencies	TOTAL DISTRICT FUNDED	TOTAL DEVELOPER FUNDED
Booster Station Upgrades								
Terrace Booster Replacement	1	LS	\$3,150,000	\$ 3,150,000	\$ 945,000	\$ 1,126,125	\$ 5,221,125	\$ -
Booster Pump Rehabilitation Design	1	LS	\$180,000	\$ 180,000	\$ -	\$ -	\$ 180,000	\$ -
Well Supply								
Well Rehab Program Design	2	EA	\$120,000	\$ 240,000	\$ -	\$ -	\$ 240,000	\$ -
Storage								
Seismic Upgrades Assessments	5	EA	\$20,000	\$ 100,000	\$ -	\$ -	\$ 100,000	\$ -
Reservoir Rehab Program Design	1	LS	\$300,000	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -
Cottonwood Reservoir Replacement (0.30 MG Steel)	0.30	MG	\$2.5/gal	\$ 750,000	\$ 225,000	\$ 268,125	\$ 1,243,125	\$ -
Redbud Reservoir Replacement (0.30 MG Steel)	0.30	MG	\$2.5/gal	\$ 750,000	\$ 225,000	\$ 268,125	\$ 1,243,125	\$ -
Piping								
Water CIP Pipeline Condition Assessment Program	2	miles/yr	\$25,000/mile	\$ 250,000	\$ -	\$ -	\$ 250,000	
Pipeline Replacement Program	4,000	LF/yr	\$350/LF	\$ 7,000,000	\$ 2,100,000	\$ 2,502,500	\$ 11,602,500	\$ -
Other								
Meter Replacement (Annual)	1	LS	\$ 30,000	\$ 150,000		\$ -	\$ 150,000	\$ -
TOTAL							\$ 20,529,875	\$ -

2045 WATER CIP

CIP Item Description	Quantity	Unit	Unit Cost of Construction	Construction Cost	Construction Contingency	Implementation Contingencies	TOTAL DISTRICT FUNDED	TOTAL DEVELOPER FUNDED
Booster Station Upgrades								
Booster Pump Rehabilitation Design	1	LS	\$180,000	\$ 180,000	\$ -	\$ -	\$ 180,000	\$ -
Well Supply								
Well Rehab Program Design	2	EA	\$120,000	\$ 240,000	\$ -	\$ -	\$ 240,000	\$ -
Storage								
Seismic Upgrades Assessments	5	EA	\$20,000	\$ 100,000	\$ -	\$ -	\$ 100,000	
Reservoir Rehab Program Design	1	LS	\$300,000	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -
Two Bunch #3 (0.67 MG)	0.67	MG	\$2.5/gal	\$ 1,675,000	\$ 502,500	\$ 598,813	\$ 2,776,313	\$ -
Terrace Reservoir #1 Replacement (1.84 MG)	1.84	MG	\$2.0/gal	\$ 3,680,000	\$ 1,104,000	\$ 1,315,600	\$ 6,099,600	\$ -
Piping								
Water CIP Pipeline Condition Assessment Program	2	miles/yr	\$25,000/mile	\$ 250,000	\$ -	\$ -	\$ 250,000	
Pipeline Replacement Program	4,000	LF/yr	\$350/LF	\$ 7,000,000	\$ 2,100,000	\$ 2,502,500	\$ 11,602,500	\$ -
Other								
Meter Replacement (Annual)	1	LS	\$ 30,000	\$ 150,000		\$ -	\$ 150,000	\$ -
TOTAL							\$ 21,698,413	

Board of Directors Workshop, March 11, 2025
Capital Improvement Projects – Wastewater
2025 through 2045

CIP No.	CIP Item Description	Quantity	Unit	Unit Cost of Construction	Construction Cost	Construction Contingency	Implementation Contingencies	TOTAL DISTRICT FUNDED	TOTAL DEVELOPER FUNDED
Gravity Main Improvements									
CIP-1	Park Ln to San Gorgonio St to Yerxa Rd, to Mountain View Rd. Existing 8-inch gravity mains improved to 15-inch.	5,563	LF	\$205	\$ 1,140,300	\$ 342,100	\$ 444,700	\$ 1,927,100	\$ -
CIP-2	230 ft west of Palm Dr. along Hacienda Ave. Existing 15-inch gravity mains improved to 18-inch.	454	LF	\$220	\$ 99,900	\$ 30,000	\$ 39,000	\$ 168,800	\$ -
CIP-3	Along Pierson Blvd, from Foxdale Dr to 200 ft west of Palm Dr, then to Hacienda Ave. Existing 8-inch and 10-inch gravity mains improved to 12-inch.	5,975	LF	\$190	\$ 1,135,200	\$ 340,600	\$ 442,700	\$ 1,918,500	\$ -
CIP-4	Along Ocotillo Rd, from Hacienda Ave to Two Bunch Palm Trails. Existing 15-inch gravity mains improved to 21-inch.	3,083	LF	\$285	\$ 878,600	\$ 263,600	\$ 342,700	\$ 1,484,800	\$ -
CIP-5	I-10 Development Are. New 12-inch, 15-inch, and 21-inch gravity mains.	5,107	LF	\$190/\$205/\$285	\$ 1,032,800	\$ 309,800	\$ 402,800	\$ -	\$ 1,745,400
CIP-6	Along 18th Ave, from Indian Canyon Dr to 950 ft east of Little Morongo Rd. New 15-inch and 18-inch gravity mains.	3,809	LF	\$205/\$220	\$ 788,300	\$ 236,500	\$ 307,400	\$ 1,332,200	\$ -
CIP-11	Along Avenida Manzana, from 315 ft south of Cam Idilio to 265 ft north of Dillon Rd. New 8-inch and 10-inch gravity mains.	4,678	LF	\$175/\$180	\$ 825,000	\$ 247,500	\$ 321,800	\$ 1,394,300	\$ -
Lift Station Force Main Improvements									
CIP-19	Future I-10 LS	1	LS	\$4,716,700	\$ 4,716,700	\$ 1,415,000	\$ 1,839,500	\$ -	\$ 7,971,200
Rehabilitation and Repair Budgets									
	Inspection (Annual)	5	LS	\$158,400	\$ 792,000	\$ -	\$ -	\$ 792,000	\$ -
	Rehabilitation and Repair (Annual)	5	LS	\$443,800	\$ 2,219,000	\$ -	\$ -	\$ 2,219,000	\$ -
Previously Identified Projects									
CIP-25	Horton WWTF VFD installation to control DO concentration	1	LS	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000	\$ -
TOTAL								\$ 11,736,700	\$ 9,716,600

CIP No.	CIP Item Description	Quantity	Unit	Unit Cost of Construction	Construction Cost	Construction Contingency	Implementation Contingencies	TOTAL DISTRICT FUNDED	TOTAL DEVELOPER FUNDED
Gravity Main Improvements									
CIP-7	Along Little Morongo Rd from Two Bunch Palms Trl to Dillon Rd. New 18-inch gravity mains.	7,964	LF	\$220	\$ 1,752,100	\$ 525,600	\$ 683,300	\$ 2,961,000	\$ -
CIP-8	Along Little Morongo Rd from Dillon Rd to NRWWRF (new WWTP). New 15-inch, 18-inch, 21-inch, 24-inch and 27-inch gravity mains.	6,798	LF	\$205/\$220/\$285/\$310/\$350	\$ 1,654,500	\$ 496,400	\$ 645,300	\$ 2,796,100	\$ -
CIP-9	Along 18th Ave, from 950 ft east of Little Morongo Rd. to Little Morongo Rd. New 18-inch gravity mains.	939	LF	\$220	\$ 206,500	\$ 62,000	\$ 80,600	\$ 349,000	\$ -
Lift Station Force Main Improvements									
Rehabilitation and Repair Budgets									
	Inspection (Annual)	5	LS	\$166,400	\$ 832,000	\$ -	\$ -	\$ 832,000	\$ -
	Rehabilitation and Repair (Annual)	5	LS	\$372,960	\$ 1,864,800	\$ -	\$ -	\$ 1,864,800	\$ -
Previously Identified Projects									
CIP-23	CCTV truck and equipment	1	LS	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	
CIP-24	Anoxic Mixer replacement at Horton WWTF	1	LS	\$ 750,000	\$ -	\$ -	\$ -	\$ 750,000	\$ -
TOTAL								\$ 9,852,900	\$ -

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