

WATER CAPITAL IMPROVEMENT PROJECTS (CIP) PLAN



FY 2018 - 2025 --- Minimal Scenario ---

Date: March 16, 2018

Project No.	Project Description	Project Cost *	Construction Year (FY)	Evaluation Criteria				
				Description of Need	Criticality	Condition	DDW Compliance/LOS	TOTAL
1	Westside Reservoir Rehabilitation	\$ 598,825	2019	Rehabilitate reservoir to stop leak and correct deficiencies; currently under Order by DDW	5	5	5	15
2a	Upsize to 8" pipe: 1375 East, south of Lester; 7600 South, west of 1375 East; 1800 East, south of 7775 South; 1750 East, south of 7775 South; Jensen Circle; replace lead joint pipe on Canyon Dr. between 1375 E and 1300 E	\$ 374,750	2021	Correct fire flow deficiencies; meet DDW minimum pipe size	4	5	5	14
2b	Phase 2	\$ 374,750	2022					
3	Relocate transmission line to East Bench Reservoir #3	\$ 220,000	2023	Replace deteriorated feed/fill line with new line in more accessible location	5	4	3	12
4a	Connect Lincoln Lane and 2750 East; upsize to 8" 8075 South, 2575 East, and 2350 East (south of Deer Run Dr.); upsize US 89 crossing at 8075 South to 12"; abandon existing 4" PSV and replace with new 8" PRV and line on Peachwood Dr.	\$ 285,156	2024	Correct fire flow deficiencies; meet DDW minimum pipe size	4	3	3	10
4b	Phase 2	\$ 285,156	2025					
--- End of Culinary Water Rate Study Analysis ---								
5a	Construct new supply line from Westside reservoir(s) to South Weber Dr. at 475 E. for secondary feed to zone 1, including PRV; connect 925 East to S. Weber Drive	\$ 262,313	2026	Add redundant feed into Zone 1; correct fire flow deficiencies	4	3	3	10
5b	Phase 2	\$ 262,313	2027					
6	Automate Weber Basin well feed to Reservoirs #1 and #2 to match supply to system demand	\$ 76,250	2028	Operate feed to Westside Reservoir more efficiently (reduce waste)	2	4	3	9
7a	Construct Connection #4 to WBWCD's transmission line with pump station to pump to Zone 4	\$ 273,333	2029	Add redundant feed into Zone 4 and Reservoir #4	4	3	2	9
7b	Phase 2	\$ 273,333	2030					
7c	Phase 3	\$ 273,333	2031					
8a	Upsize Cottonwood Dr. to 8" line	\$ 215,875	2032	Meet DDW minimum pipe size	3	2	4	9
8b	Phase 2	\$ 215,875	2033					
9a	Replace West Bench Reservoir	\$ 367,071	2034	Replace Westside Reservoir	3	3	3	9
9b	Phase 2	\$ 367,071	2035					
9c	Phase 3	\$ 367,071	2036					

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				Description of Need	Criticality	Condition	DDW Compliance/ LOS	TOTAL
9d	Phase 4	\$ 367,071	2037					
9e	Phase 5	\$ 367,071	2038					
9f	Phase 6	\$ 367,071	2039					
9g	Phase 7	\$ 367,071	2040					
10a	Upsize to 8": 7875 South; 7925 South; Peachwood Dr. between 7925 South and Peachwood Way; 8100 South between Peachwood Drive and 2300 East; 2300 East; 2175 East; 7875 South between 2100 and 2175 East; 2100 East between 7800 South and City Park	\$ 355,083	2041	Meet DDW minimum pipe size	3	2	3	8
10b	Phase 2	\$ 355,083	2042					
10c	Phase 3	\$ 355,083	2043					
11	Rehabilitate Well #1; add new generator; modify controls	\$ 298,750	2044	Rehabilitate well (City's water right) to correct failures and increase production	2	4	2	8
12a	Upsize South Weber Drive (6650 South to end) to 10" line	\$ 241,313	2045	Correct fire flow deficiencies at west end of system	2	2	4	8
12b	Phase 2	\$ 241,313	2046					
13**	Upsize remaining 4" and 6" lines to 8" (30,000 lf), as funds allow	\$ 5,266,250	2047+	Meet DDW minimum pipe size; replace deteriorated lines	2	2	4	8
14**	Upsize developer-installed loop from 7150 S to about 7400 South	\$ 357,500		Meet fire flow requirements for future development	0	0	0	0
TOTAL		\$ 8,407,388	27					
AVERAGE ANNUAL		\$ 311,385						

* Project Costs from ZPFI Nov. 2017 Utility Rate Study (do NOT include Construction Cost Inflation Rate)

** Projects included for reference, but NOT included in numbers - Total, Average Annual, or number of Fiscal Years to construct

Criticality

5 - absence of the project severely compromises the function of the system

0 - absence of the project has no negative effect on the function of the system

Condition

5 - failure or imminent threat of failure

0 - new condition

DDW Compliance / LOS

5 - out of compliance / under State order

0 - meets minimum standards