

Water 2055 Capital Plan - Existing Customers and CIF

1	Proposed Improvement	CIF of CIF	Service charge	need date	Present Cost	Comments	Fee	cost for existing	CIF	Already Funded	Notes	20% of known distribution allowance for Existing	20% of known distribution allowance for CIF	Total Cost for Existing	Total Cost for CIF	Annual Total - cash flow
1	Water audit	0.5	0.5	2009	\$20,000	Professional firm needed to determine what our rate really is. Nothing scientific has been done to date (AMR will help this task)										
2	Alternative energy study	0.5	0.5	2009	\$5,000	Study feasibility of powering or backing up some District facilities with alternative power		\$10,000	\$10,000	\$0		\$12,000	\$12,000			
3								\$2,500	\$2,500	\$0		\$3,000	\$3,000			
4	Additional settling pond at San Juan River Booster site	0.5	0.5	2009	\$475,500	New pond and modifications to existing will help TOC & turbidity. Engineering should determine if this would still be necessary or economical if Break Tank could incorporate organic & turbidity removal.	cif	\$49,750	\$237,750	\$188,000	200k already funded by 03 water GO less spent in 08	\$59,700	\$285,300			
5	Elk Park Booster SCADA	.5	.5	2009	\$23,000	doing manually now		\$11,500	\$11,500	\$0		\$13,800	\$13,800			
6	Transmission pipelines – distribution system improvements by year	0.75	0.25	2009	\$675,246	same as above		\$168,811	\$506,434	\$0		\$202,574	\$607,721			
7	Master Plan Update (10K/yr)	1	0	2009	\$10,000	10k each yr for 34 years		\$0	\$10,000	\$0		\$0	\$12,000			
8	Chlorine Dioxide, one ton Chlorine/hypo, and acid building at Snowball WTP (delay until new plant is built)	0.5	0.5	2009	\$0	This is the next step necessary to meet current and anticipated water quality standards.		\$0	\$0	\$0	Date to match enlargement of facility	\$0	\$0	\$291,074	933,821	2009
9	Upgrade disinfection to Ultraviolet at San Juan WTP	0	0	2010	\$345,000	To meet more stringent water quality standards		\$0	\$0	\$345,000	from Stevens WTP 02/03	\$0	\$0			
10	GIS implementation	0.5	0.5	2010	\$75,000	It has been a long term goal to integrate our existing systems into the GIS platform. (Casselle, new Lite Cad. GIS software & programming)		\$37,500	\$37,500	\$0		\$45,000	\$45,000			
11	Lake Forest Pump Station	0	0	2010	\$504,000	Assuming +/- 3 MGD capacity		\$0	\$0	\$504,000	Utilize 02/03 Stevens WTP Bond funds	\$0	\$0			
12	Eagle Peak Booster	.5	.5	2010	\$57,500	Aging unit		\$28,750	\$28,750	\$0	assuming no more load in that area	\$34,500	\$34,500			
13	Upgrade disinfection to Ultraviolet at Snowball WTP	0	0	2010	\$0	To meet more stringent water quality standards		\$0	\$0	\$0	Wait until SBWTP is upgraded or diversion alternatives are determined?	\$0	\$0			
14	Transmission pipelines – distribution system improvements by year	0.75	0.25	2010	\$33,750	same as above		\$8,438	\$25,313	\$0		\$10,125	\$30,375			
15	Master Plan Update (10K/yr)	1	0	2010	\$10,000	10k each yr for 34 years		\$0	\$10,000	\$0		\$0	\$12,000			
16	Potable Water Storage – 1 mil. gals.	1	0	2010	\$660,100	Modeling will determine location & amount to meet PAWSD FBO		\$0	\$86,100	\$574,000	Already funded by 2006 REV issue. See note	\$0	\$103,320	\$89,625	225,195	2010
17	Transmission pipelines – distribution system improvements by year	0.75	0.25	2011	\$33,750	same as above		\$8,438	\$25,313	\$0		\$10,125	\$30,375			
18	Master Plan Update (10K/yr)	1	0	2011	\$10,000	10k each yr for 34 years		\$0	\$10,000	\$0		\$0	\$12,000	\$10,125	42,375	2011

Water 2055 Capital Plan - Existing Customers and CIF

1	Proposed Improvement	CIF of CIF	Service charge	need date	Present Cost	Comments	Fee	cost for existing	CIF	Already Funded	Notes	20% of known distribution allowance for Existing	20% of known distribution allowance for CIF	Total Cost for Existing	Total Cost for CIF	Annual Total - cash flow
	Putt Hill # 1 & 2 upgrade or elimination	1	00		\$230,000	\$ only if upgraded, if eliminated just more load on Hatcher/San Juan										
19				2012			CIF	\$0	\$230,000	\$0		\$0	\$276,000			
20	Transmission pipelines – distribution system improvements by year	0.75	0.25	2012	\$21,600	same as above	CIF	\$5,400	\$16,200	\$0		\$6,480	\$19,440			
21	Master Plan Update (10K/yr)	1	0	2012	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$6,480	307,440	2012
22	Transmission pipelines – distribution system improvements by year	0.75	0.25	2013	\$1,012,500	same as above	CIF	\$253,125	\$759,375	\$0		\$303,750	\$911,250			
23	Master Plan Update (10K/yr)	1	0	2013	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$303,750	923,250	2013
24	Transmission pipelines – distribution system improvements by year	0.75	0.25	2014	\$621,000	same as above	CIF	\$155,250	\$465,750	\$0		\$186,300	\$558,900			
25	more wtp capacity (2.5 mgd)	1	0	2014	\$15,618,000	full 4 mgd to growth every 12 years hereafter	CIF	\$0	\$15,618,000	\$0		\$0	\$15,618,000			
26	Master Plan Update (10K/yr)	1	0	2014	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000			
27	existing portion of SBWTP upgrade (1.5 mgd)	0	1	2014	\$9,371,000	Present cost provided from 2055 WRF analysis	CIF	\$6,602,919	\$0	\$2,768,081	02/03/06 Stevens WTP funds	\$7,923,503	\$0	\$8,109,803	16,188,900	2014
28	Transmission pipelines – distribution system improvements by year	0.75	0.25	2015	\$101,250	same as above	CIF	\$25,313	\$75,938	\$0		\$30,375	\$91,125			
29	Master Plan Update (10K/yr)	1	0	2015	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$30,375	103,125	2015
30	Transmission pipelines – distribution system improvements by year	0.75	0.25	2016	\$669,330	same as above	CIF	\$167,333	\$501,998	\$0		\$200,799	\$602,397			
31	Master Plan Update (10K/yr)	1	0	2016	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$200,799	614,397	2016
32	Transmission pipelines – distribution system improvements by year	0.75	0.25	2017	\$0	same as above	CIF	\$0	\$0	\$0		\$0	\$0			
33	Master Plan Update (10K/yr)	1	0	2017	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000			
34	new snowball potable tank	1	0	2017	\$200,000		CIF	\$0	\$200,000	\$0		\$0	\$240,000	\$0	252,000	2017
35	Transmission pipelines – distribution system improvements by year	0.75	0.25	2018	\$229,770	same as above	CIF	\$57,443	\$172,328	\$0		\$68,931	\$206,793			
36	more Hatcher wtp capacity (expansion) (2 mgd)	1	0	2018	\$3,745,000	full 4 mgd to growth every 12 years hereafter	CIF	\$0	\$3,745,000	\$0		\$0	\$3,745,000			
37	Master Plan Update (10K/yr)	1	0	2018	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$68,931	3,963,793	2018
38	Transmission pipelines – distribution system improvements by year	0.75	0.25	2019	\$129,870	same as above	CIF	\$32,468	\$97,403	\$0		\$38,961	\$116,883			
39	Master Plan Update (10K/yr)	1	0	2019	\$10,000	10k each yr for 34 years	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$38,961	128,883	2019
40	Potable Water Storage – 1 mil. gals.	1	0	2020	\$660,100	assuming a total of 1 MG every 10 years possibly broken into multiple locatins might be needed.	CIF	\$0	\$660,100	\$0		\$0	\$792,120			

Water 2055 Capital Plan - Existing Customers and CIF

	Proposed Improvement	CIF of CIF	Service charge	need date	Present Cost	Comments	Fee	cost for existing	CIF	Already Funded	Notes	20% of known distribution allowance for Existing	20% of known distribution allowance for CIF	Total Cost for Existing	Total Cost for CIF	Annual Total - cash flow
1	Transmission pipelines – distribution system improvements by year	0.75	0.25	2020		same as above										
41	Master Plan Update (10K/yr)	1	0	2020	\$283,500	10k each yr for 34 years	CIF	\$70,875	\$212,625	\$0		\$85,050	\$255,150			
42	Transmission pipelines – distribution system improvements by year	0.75	0.25	2021	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$85,050	1,059,270	2020
43	Master Plan Update (10K/yr)	1	0	2021	\$501,120	same as above	CIF	\$125,280	\$375,840	\$0		\$150,336	\$451,008			
44	Transmission pipelines – distribution system improvements by year	0.75	0.25	2022	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$150,336	\$463,008	2021
45	Master Plan Update (10K/yr)	1	0	2022	\$518,400	same as above	CIF	\$129,600	\$388,800	\$0		\$155,520	\$466,560			
46	Transmission pipelines – distribution system improvements by year	0.75	0.25	2023	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$155,520	\$478,560	2022
47	Master Plan Update (10K/yr)	1	0	2023	\$83,160	same as above	CIF	\$20,790	\$62,370	\$0		\$24,948	\$74,844			
48	Transmission pipelines – distribution system improvements by year	0.75	0.25	2024	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$24,948	\$86,844	2023
49	Master Plan Update (10K/yr)	1	0	2024	\$62,100	same as above	CIF	\$15,525	\$46,575	\$0		\$18,630	\$55,890			
50	Transmission pipelines – distribution system improvements by year	0.75	0.25	2025	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$18,630	\$67,890	2024
51	Master Plan Update (10K/yr)	1	0	2025	\$73,170	same as above	CIF	\$18,293	\$54,878	\$0		\$21,951	\$65,853			
52	Transmission pipelines – distribution system improvements by year	0.75	0.25	2026	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000			
53	Next expansion of Loma Linda Booster	1	0	2025	\$500,000	depends on growth down there	CIF	\$0	\$500,000	\$0	based on 2004 costs inflated to 2008 (guess)	\$0	\$600,000	\$21,951	\$677,853	2025
54	Transmission pipelines – distribution system improvements by year	0.75	0.25	2026	\$825,660	same as above	CIF	\$206,415	\$619,245	\$0		\$247,698	\$743,094			
55	more wtp capacity (4 mgd)	1	0	2026	\$24,989,000	this same amount every 12 years	CIF	\$0	\$24,989,000	\$0		\$0	\$24,989,000			
56	Master Plan Update (10K/yr)	1	0	2026	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$247,698	\$25,744,094	2026
57	Transmission pipelines – distribution system improvements by year	0.75	0.25	2027	\$279,450	same as above	CIF	\$69,863	\$209,588	\$0		\$83,835	\$251,505			
58	Master Plan Update (10K/yr)	1	0	2027	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$83,835	\$263,505	2027
59	Transmission pipelines – distribution system improvements by year	0.75	0.25	2028	\$124,200	same as above	CIF	\$31,050	\$93,150	\$0		\$37,260	\$111,780			
60	Master Plan Update (10K/yr)	1	0	2028	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$37,260	\$123,780	2028
61	Transmission pipelines – distribution system improvements by year	0.75	0.25	2029	\$0	same as above	CIF	\$0	\$0	\$0		\$0	\$0			
62	Master Plan Update (10K/yr)	1	0	2029	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$0	\$12,000	2029

Water 2055 Capital Plan - Existing Customers and CIF

	Proposed Improvement	CIF of CIF	Service charge	need date	Present Cost	Comments	Fee	cost for existing	CIF	Already Funded	Notes	20% of known distribution allowance for Existing	20% of known distribution allowance for CIF	Total Cost for Existing	Total Cost for CIF	Annual Total - cash flow
1	Transmission pipelines – distribution system improvements by year	0.75	0.25	2030		same as above										
63	Master Plan Update (10K/yr)	1	0	2030	\$192,780	same as above	CIF	\$48,195	\$144,585	\$0		\$57,834	\$173,502			
64	Potable Water Storage – 1 mil. gals.	1	0	2030	\$660,100	assuming a total of 1 MG every 10 years possibly broken into multiple locatins might	CIF	\$0	\$660,100	\$0		\$0	\$792,120	\$57,834	977,622	2030
65	Transmission pipelines – distribution system improvements by year	0.75	0.25	2031		same as above										
66	Master Plan Update (10K/yr)	1	0	2031	\$254,610	same as above	CIF	\$63,653	\$190,958	\$0		\$76,383	\$229,149			
67	Transmission pipelines – distribution system improvements by year	0.75	0.25	2032		same as above										
68	Master Plan Update (10K/yr)	1	0	2032	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$76,383	\$241,149	2031
69	Transmission pipelines – distribution system improvements by year	0.75	0.25	2033		same as above										
70	Master Plan Update (10K/yr)	1	0	2033	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$215,460	\$658,380	2032
71	Transmission pipelines – distribution system improvements by year	0.75	0.25	2034		same as above										
72	Master Plan Update (10K/yr)	1	0	2034	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$27,945	\$95,835	2033
73	Transmission pipelines – distribution system improvements by year	0.75	0.25	2035		same as above										
74	Master Plan Update (10K/yr)	1	0	2035	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$27,945	\$95,835	2033
75	Transmission pipelines – distribution system improvements by year	0.75	0.25	2036		same as above										
76	Master Plan Update (10K/yr)	1	0	2036	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$27,945	\$95,835	2033
77	Transmission pipelines – distribution system improvements by year	0.75	0.25	2037		same as above										
78	Master Plan Update (10K/yr)	1	0	2037	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$27,945	\$95,835	2033
79	Transmission pipelines – distribution system improvements by year	0.75	0.25	2038		same as above										
80	more wtp capacity (4 mgd)	1	0	2038	\$24,989,000	this same amount every 12 years	CIF	\$0	\$24,989,000	\$0		\$0	\$24,989,000			
81	Master Plan Update (10K/yr)	1	0	2038	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$420,593	\$26,262,778	2038
82	Transmission pipelines – distribution system improvements by year	0.75	0.25	2039		same as above										
83	Master Plan Update (10K/yr)	1	0	2039	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$420,593	\$26,262,778	2038
	Transmission pipelines – distribution system improvements by year	0.75	0.25	2039		same as above										
	Master Plan Update (10K/yr)	1	0	2039	\$167,535	same as above	CIF	\$41,884	\$125,651	\$0		\$50,261	\$150,782			

Water 2055 Capital Plan - Existing Customers and CIF

	Proposed Improvement	CIF of CIF	Service charge	need date	Present Cost	Comments	Fee	cost for existing	CIF	Already Funded	Notes	20% of known distribution allowance for Existing	20% of known distribution allowance for CIF	Total Cost for Existing	Total Cost for CIF	Annual Total - cash flow
1	Master Plan Update (10K/yr)	1	0	2039	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$50,261	\$162,782	2039
84	Transmission pipelines – distribution system improvements by year	0.75	0.25	2040	\$367,200	same as above	CIF	\$91,800	\$275,400	\$0		\$110,160	\$330,480			
85	Master Plan Update (10K/yr)	1	0	2040	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000			
86	Potable Water Storage – 1 mil. gals.	1	0	2040	\$660,100	assuming a total of 1 MG every 10 years possibly broken into multiple locatins might	CIF	\$0	\$660,100	\$0		\$0	\$792,120	\$110,160	1,134,600	2040
87	Transmission pipelines – distribution system improvements by year	0.75	0.25	2041	\$79,380	same as above	CIF	\$19,845	\$59,535	\$0		\$23,814	\$71,442			
88	Master Plan Update (10K/yr)	1	0	2041	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$23,814	\$83,442	2041
89	Transmission pipelines – distribution system improvements by year	0.75	0.25	2042	\$718,200	same as above	CIF	\$179,550	\$538,650	\$0		\$215,460	\$646,380			
90	Master Plan Update (10K/yr)	1	0	2042	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$215,460	\$658,380	2042
91	Transmission pipelines – distribution system improvements by year	0.75	0.25	2043	\$223,560	same as above	CIF	\$55,890	\$167,670	\$0		\$67,068	\$201,204			
92	Master Plan Update (10K/yr)	1	0	2043	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$67,068	\$213,204	2043
93	Transmission pipelines – distribution system improvements by year	0.75	0.25	2044	\$367,200	same as above	CIF	\$91,800	\$275,400	\$0		\$110,160	\$330,480			
94	Master Plan Update (10K/yr)	1	0	2044	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$110,160	\$342,480	2044
95	Transmission pipelines – distribution system improvements by year	0.75	0.25	2045	\$270,000	same as above	CIF	\$67,500	\$202,500	\$0		\$81,000	\$243,000			
96	Master Plan Update (10K/yr)	1	0	2045	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$81,000	\$255,000	2045
97	Transmission pipelines – distribution system improvements by year	0.75	0.25	2046	\$167,535	same as above	CIF	\$41,884	\$125,651	\$0		\$50,261	\$150,782			
98	Master Plan Update (10K/yr)	1	0	2046	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$50,261	\$162,782	2046
99	Transmission pipelines – distribution system improvements by year	0.75	0.25	2047	\$708,345	same as above	CIF	\$177,086	\$531,259	\$0		\$212,504	\$637,511			
100	Master Plan Update (10K/yr)	1	0	2047	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$212,504	\$649,511	2047
101	Transmission pipelines – distribution system improvements by year	0.75	0.25	2048	\$279,450	same as above	CIF	\$69,863	\$209,588	\$0		\$83,835	\$251,505			
102	Master Plan Update (10K/yr)	1	0	2048	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$83,835	\$263,505	2048
103	Transmission pipelines – distribution system improvements by year	0.75	0.25	2049	\$135,000	same as above	CIF	\$33,750	\$101,250	\$0		\$40,500	\$121,500			
104	Master Plan Update (10K/yr)	1	0	2049	\$10,000	same as above	CIF	\$0	\$10,000	\$0		\$0	\$12,000	\$40,500	\$133,500	2049

