

Crestline Sanitation District

Draft Wastewater Rate Study 2024 Scenario 2: Fund Master Plan as Adopted



March 15, 2024



BARTLE WELLS ASSOCIATES
Independent Public Finance Advisors

Table 1
Crestline SD - Draft Wastewater Rate Study
Customer Summary

Customers	Equivalent Dwelling Units (EDU)s
4,702	5,281

*Customer and EDU count as of 1/29/24.

Table 2
Crestline SD - Draft Wastewater Rate Study
Projected Operating Expenses

Escalation Factors	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
General Inflation Factor		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
No Escalation		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Utilities		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Chemicals		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Benefits		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Salary		5.0%	5.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Expenses	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Inflation	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
Operations & Maintenance Expenses											
Salaries & Benefit - MAINT											
Salaries - REG*	\$319,210	\$356,171	\$373,979	\$385,198	\$396,754	\$408,657	\$420,917	\$433,544	\$446,551	\$459,947	\$473,745
Salaries - OT	500	525	551	568	585	602	620	639	658	678	698
Salaries - VAC	26,700	28,035	29,437	30,320	31,229	32,166	33,131	34,125	35,149	36,203	37,290
Salaries - SICK	24,130	25,337	26,603	27,401	28,223	29,070	29,942	30,841	31,766	32,719	33,700
Salaries - HOLIDAY	28,170	29,579	31,057	31,989	32,949	33,937	34,955	36,004	37,084	38,197	39,343
Salaries - ON CALL / STANDBY	27,730	29,117	30,572	31,489	32,434	33,407	34,409	35,442	36,505	37,600	38,728
Salaries - CALL BACK	2,000	2,100	2,205	2,271	2,339	2,409	2,482	2,556	2,633	2,712	2,793
Payroll Tax	11,040	11,592	12,172	12,537	12,913	13,300	13,699	14,110	14,534	14,970	15,419
Unemployment Expense	3,200	3,360	3,528	3,634	3,743	3,855	3,971	4,090	4,213	4,339	4,469
Worker's Comp	51,260	53,823	56,514	58,210	59,956	61,755	63,607	65,515	67,481	69,505	71,590
Employee Group Insurance	117,510	123,386	129,555	133,441	137,445	141,568	145,815	150,189	154,695	159,336	164,116
OPEB Cost	-	-	-	-	-	-	-	-	-	-	-
Retirement	178,170	187,079	196,432	202,325	208,395	214,647	221,086	227,719	234,551	241,587	248,835
Pension Expense - MT	-	-	-	-	-	-	-	-	-	-	-
Seasonal MT Workers	59,280	62,244	65,356	67,317	69,336	71,416	73,559	75,766	78,039	80,380	82,791
Nationwide ER Match	4,300	4,515	4,741	4,883	5,029	5,180	5,336	5,496	5,661	5,831	6,005
Subtotal	853,200	916,860	962,703	991,584	1,021,332	1,051,972	1,083,531	1,116,037	1,149,518	1,184,003	1,219,523

Table 2
Crestline SD - Draft Wastewater Rate Study
Projected Operating Expenses

Escalation Factors	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
General Inflation Factor	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
No Escalation	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Utilities	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Chemicals	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Benefits	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Salary	5.0%	5.0%	5.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Expenses	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Inflation											
Salaries & Benefit - OP	633,240	664,902	698,147	719,092	740,664	762,884	785,771	809,344	833,624	858,633	884,392
Salaries - REG		6,825	7,166	7,381	7,603	7,831	8,066	8,308	8,557	8,814	9,078
Salaries - OT	49,080	51,534	54,111	55,734	57,406	59,128	60,902	62,729	64,611	66,549	68,546
Salaries - VAC	34,600	36,330	38,147	39,291	40,470	41,684	42,934	44,222	45,549	46,915	48,323
Salaries - SICK	40,390	42,410	44,530	45,866	47,242	48,659	50,119	51,622	53,171	54,766	56,409
Salaries - HOLIDAY	41,600	43,680	45,864	47,240	48,657	50,117	51,620	53,169	54,764	56,407	58,099
Salaries - ON CALL / STANDBY	2,000	2,100	2,205	2,271	2,339	2,409	2,482	2,556	2,633	2,712	2,793
Salaries - Call Back	15,980	16,779	17,618	18,146	18,691	19,252	19,829	20,424	21,037	21,668	22,318
Payroll Tax	63,830	67,022	70,373	72,484	74,658	76,898	79,205	81,581	84,029	86,549	89,146
Worker's Comp	150,240	157,752	165,640	170,609	175,727	180,999	186,429	192,022	197,782	203,716	209,827
Employee Group Insurance											
OP&B Cost											
Retirement	270,650	284,183	298,392	307,343	316,564	326,061	335,842	345,918	356,295	366,984	377,994
Pension Expense											
Seasonal OP Workers	24,960	26,208	27,518	28,344	29,194	30,070	30,972	31,901	32,858	33,844	34,859
Nationwide ER Match	2,240	2,352	2,470	2,544	2,620	2,699	2,780	2,863	2,949	3,037	3,128
Subtotal	1,335,310	1,402,076	1,472,179	1,516,345	1,561,835	1,608,690	1,656,951	1,706,659	1,757,859	1,810,595	1,864,913
Professional Services - MAINT											
Other Professional Svc	3,600	3,708	3,819	3,934	4,052	4,173	4,299	4,428	4,560	4,697	4,838
Subtotal	3,600	3,708	3,819	3,934	4,052	4,173	4,299	4,428	4,560	4,697	4,838
Professional Services - OP											
Engineering	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	19,572	20,159
Laboratory Analysis	58,520	60,276	62,084	63,946	65,865	67,841	69,876	71,972	74,131	76,355	78,646
Permits & Fees	54,980	56,629	58,328	60,078	61,880	63,737	65,649	67,618	69,647	71,736	73,889
Other Professional	1,490	1,535	1,581	1,628	1,677	1,727	1,779	1,833	1,887	1,944	2,002
Subtotal	129,990	133,890	137,906	142,044	146,305	150,694	155,215	159,871	164,667	169,607	174,696

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Projected Operating Expenses

Escalation Factors	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
General Inflation Factor		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
No Escalation		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Utilities		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Chemicals		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Benefits		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Salary		5.0%	5.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Expenses	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Inflation											
Service and Supplies - MAINT											
Equipment Rental	850	876	902	929	957	985	1,015	1,045	1,077	1,109	1,142
Clothing & Laundry	15,160	15,615	16,083	16,566	17,063	17,575	18,102	18,645	19,204	19,780	20,374
54100MT - Misc Expense	-	-	-	-	-	-	-	-	-	-	-
Auto Expense - General	28,190	29,036	29,907	30,804	31,728	32,680	33,660	34,670	35,710	36,782	37,885
Maintenance of Equipment	13,360	13,761	14,174	14,599	15,037	15,488	15,953	16,431	16,924	17,432	17,955
Maintenance of Structures	2,380	2,451	2,525	2,601	2,679	2,759	2,842	2,927	3,015	3,105	3,199
Small Tools	2,050	2,112	2,175	2,240	2,307	2,377	2,448	2,521	2,597	2,675	2,755
Supplies - Shop	2,490	2,565	2,642	2,721	2,803	2,887	2,973	3,062	3,154	3,249	3,346
Supplies - Field	1,480	1,524	1,570	1,617	1,666	1,716	1,767	1,820	1,875	1,931	1,989
Subtotal	65,960	67,939	69,977	72,076	74,239	76,466	78,760	81,122	83,556	86,063	88,645
Service and Supplies - OP											
Auto Expense - Fuel	40,870	42,096	43,359	44,660	46,000	47,380	48,801	50,265	51,773	53,326	54,926
Auto Expense - General	10,820	11,145	11,479	11,823	12,178	12,543	12,920	13,307	13,706	14,118	14,541
Communication	4,830	4,975	5,124	5,278	5,436	5,599	5,767	5,940	6,118	6,302	6,491
Due & Subscription	130	134	138	142	146	151	155	160	165	170	175
Equipment Purchase	2,650	2,730	2,811	2,896	2,983	3,072	3,164	3,259	3,357	3,458	3,561
Equipment Rental	7,680	7,910	8,148	8,392	8,644	8,903	9,170	9,445	9,729	10,021	10,321
Insurance	155,236	159,893	164,690	169,631	174,719	179,961	185,360	190,921	196,648	202,548	208,624
Insurance - Vehicle	38,370	39,521	40,707	41,928	43,186	44,481	45,816	47,190	48,606	50,064	51,566
Clothing & Laundry	13,460	13,864	14,280	14,708	15,149	15,604	16,072	16,554	17,051	17,562	18,089
Lodge & Meals	1,920	1,978	2,037	2,098	2,161	2,226	2,293	2,361	2,432	2,505	2,580
Misc Expense	130	134	138	142	146	151	155	160	165	170	175
Maintenance of Equipment	76,460	78,754	81,116	83,550	86,056	88,638	91,297	94,036	96,857	99,763	102,756
Maintenance of Structures	13,890	14,307	14,736	15,178	15,633	16,102	16,585	17,083	17,595	18,123	18,667
Memberships/Certifications	35,960	37,039	38,150	39,294	40,473	41,687	42,936	44,226	45,553	46,920	48,327
Safety Equipment	5,410	5,572	5,739	5,912	6,089	6,272	6,460	6,654	6,853	7,059	7,271
Small Tools	1,190	1,226	1,262	1,300	1,339	1,380	1,421	1,464	1,507	1,553	1,599
Supplies	3,920	4,038	4,159	4,283	4,412	4,544	4,681	4,821	4,966	5,115	5,268
Special Dept - Chlorine / Salt	33,800	35,490	37,265	39,128	41,084	43,138	45,295	47,560	49,938	52,435	55,057
Special Dept - Sludge /Chemical	49,600	52,080	54,684	57,418	60,289	63,304	66,469	69,792	73,282	76,946	80,793
Special Dept - Oxygen/Propane	6,020	6,321	6,637	6,969	7,317	7,683	8,067	8,471	8,894	9,339	9,806
Special Dept - Emergency	25,000	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,619	33,598
Training	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335	26,095	26,878
Subtotal	547,346	565,555	584,399	603,903	624,090	644,987	666,619	689,014	712,201	736,209	761,070

Table 2
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Projected Operating Expenses

Escalation Factors	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
General Inflation Factor	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
No Escalation	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Utilities	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Chemicals	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Benefits	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Salary	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Expenses	Budgeted	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
Inflation											
Utilities - OP											
Telephone	66,850	68,856	70,921	73,049	75,240	77,497	79,822	82,217	84,684	87,224	89,841
Utilities - Electric	144,350	151,568	159,146	167,103	175,458	184,231	193,443	203,115	213,271	223,934	235,131
Utilities - Gas	11,810	12,401	13,021	13,672	14,355	15,073	15,827	16,618	17,449	18,321	19,237
Utilities - Water	11,260	11,823	12,414	13,035	13,687	14,371	15,089	15,844	16,636	17,468	18,341
Utilities - Trash	7,670	8,054	8,456	8,879	9,323	9,789	10,279	10,792	11,332	11,899	12,494
Utilities - Refuse Disposal	1,420	1,491	1,566	1,644	1,726	1,812	1,903	1,998	2,098	2,203	2,313
Subtotal	243,360	254,191	265,523	277,381	289,789	302,774	316,363	330,584	345,469	361,049	377,357
Administration Expenses											
Salaries and Benefit											
Salaries - REG ADM*	187,560	\$196,938	\$206,785	\$212,988	\$219,378	\$225,959	\$232,738	\$239,720	\$246,912	\$254,319	\$261,949
Salaries - OT ADM	2,150	2,258	2,370	2,441	2,515	2,590	2,668	2,748	2,830	2,915	3,003
Salaries - VAC ADM	44,080	46,284	48,598	50,056	51,558	53,105	54,698	56,339	58,029	59,770	61,563
Salaries - SICK ADM	10,750	11,288	11,852	12,207	12,574	12,951	13,339	13,740	14,152	14,576	15,014
Salaries - HOLIDAY ADM	20,090	21,095	22,149	22,814	23,498	24,203	24,929	25,677	26,447	27,241	28,058
Payroll Tax - ADM	11,440	12,012	12,613	12,991	13,381	13,782	14,196	14,621	15,060	15,512	15,977
Worker's Comp - ADM	3,170	3,329	3,495	3,600	3,708	3,819	3,934	4,052	4,173	4,298	4,427
Employee Group Insurance - AD	70,780	74,319	78,035	80,376	82,787	85,271	87,829	90,464	93,178	95,973	98,852
OPEB Cost	-	-	-	-	-	-	-	-	-	-	-
Retirement - ADM	142,570	149,699	157,183	161,899	166,756	171,759	176,911	182,219	187,685	193,316	199,115
Pension Expense	-	-	-	-	-	-	-	-	-	-	-
Nationwide - ER Match	2,990	3,140	3,296	3,395	3,497	3,602	3,710	3,822	3,936	4,054	4,176
Subtotal	495,580	520,359	546,377	562,768	579,651	597,041	614,952	633,401	652,403	671,975	692,134
Board Expenses											
Board Director's Fee	18,000	18,540	19,096	19,669	20,259	20,867	21,493	22,138	22,802	23,486	24,190
Board Exp - Meals & Lodging	800	824	849	874	900	927	955	984	1,013	1,044	1,075
Board Exp - Education & Training	200	206	212	219	225	232	239	246	253	261	269
Subtotal	19,000	19,570	20,157	20,762	21,385	22,026	22,687	23,368	24,069	24,791	25,534
Professional Services											
Accounting	51,890	53,447	55,050	56,702	58,403	60,155	61,959	63,818	65,733	67,705	69,736
County Services	400	412	424	437	450	464	478	492	507	522	538
Legal	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	67,196
Software Support - ADM	7,100	7,313	7,532	7,758	7,991	8,231	8,478	8,732	8,994	9,264	9,542
Other Professional - ADM	113,310	116,709	120,211	123,817	127,531	131,357	135,298	139,357	143,538	147,844	152,279
Subtotal	222,700	229,381	236,262	243,350	250,651	258,170	265,915	273,893	282,110	290,573	299,290

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Projected Operating Expenses

Escalation Factors	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
General Inflation Factor		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
No Escalation		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Utilities		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Chemicals		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Benefits		3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Salary		5.0%	5.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Expenses	Inflation	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
		Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Services and Supplies												
Bank Charges	General	16,170	16,655	17,155	17,669	18,199	18,745	19,308	19,887	20,484	21,098	21,731
Computer Expense	General	8,530	8,786	9,049	9,321	9,601	9,889	10,185	10,491	10,806	11,130	11,464
Due & Subscription	General	5,090	5,243	5,400	5,562	5,729	5,901	6,078	6,260	6,448	6,641	6,841
Janitorial Service	General	8,900	9,167	9,442	9,725	10,017	10,318	10,627	10,946	11,274	11,612	11,961
Lease Equipment - ADM	General	3,370	3,471	3,575	3,682	3,793	3,907	4,024	4,145	4,269	4,397	4,529
Legal Notice	General	720	742	764	787	810	835	860	886	912	939	968
Office Expense	General	3,550	3,657	3,766	3,879	3,996	4,115	4,239	4,366	4,497	4,632	4,771
Office Supplies	General	6,310	6,499	6,694	6,895	7,102	7,315	7,534	7,761	7,993	8,233	8,480
Penalties	General	150	155	159	164	169	174	179	184	190	196	202
Pest Control	General	4,980	5,129	5,283	5,442	5,605	5,773	5,946	6,125	6,309	6,498	6,693
Postage & Delivery	General	20,170	20,775	21,398	22,040	22,702	23,383	24,084	24,807	25,551	26,317	27,107
Printing & Publications	General	12,930	13,318	13,717	14,129	14,553	14,989	15,439	15,902	16,379	16,871	17,377
Public Relation	General	11,940	12,298	12,667	13,047	13,439	13,842	14,257	14,685	15,125	15,579	16,046
Maintenance of Equipment	General	2,520	2,596	2,673	2,754	2,836	2,921	3,009	3,099	3,192	3,288	3,387
Maintenance of Structure	General	15,000	15,450	15,914	16,391	16,883	17,389	17,911	18,448	19,002	19,572	20,159
Travel	General	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720
Lodge - Meals	General	300	309	318	328	338	348	358	369	380	391	403
Payroll Expenses	General	1,200	1,236	1,273	1,311	1,351	1,391	1,433	1,476	1,520	1,566	1,613
	General	840	865	891	918	945	974	1,003	1,033	1,064	1,096	1,129
Subtotal		127,670	131,500	135,445	139,508	143,694	148,005	152,445	157,018	161,729	166,580	171,578
Bad Debts												
Bad Debt Expenses	General	4,490	4,625	4,763	4,906	5,054	5,205	5,361	5,522	5,688	5,858	6,034
Subtotal		4,490	4,625	4,763	4,906	5,054	5,205	5,361	5,522	5,688	5,858	6,034
Total Operating Expenses		\$4,048,206	\$4,249,653	\$4,439,513	\$4,578,562	\$4,722,076	\$4,870,203	\$5,023,097	\$5,180,917	\$5,343,828	\$5,512,001	\$5,685,612

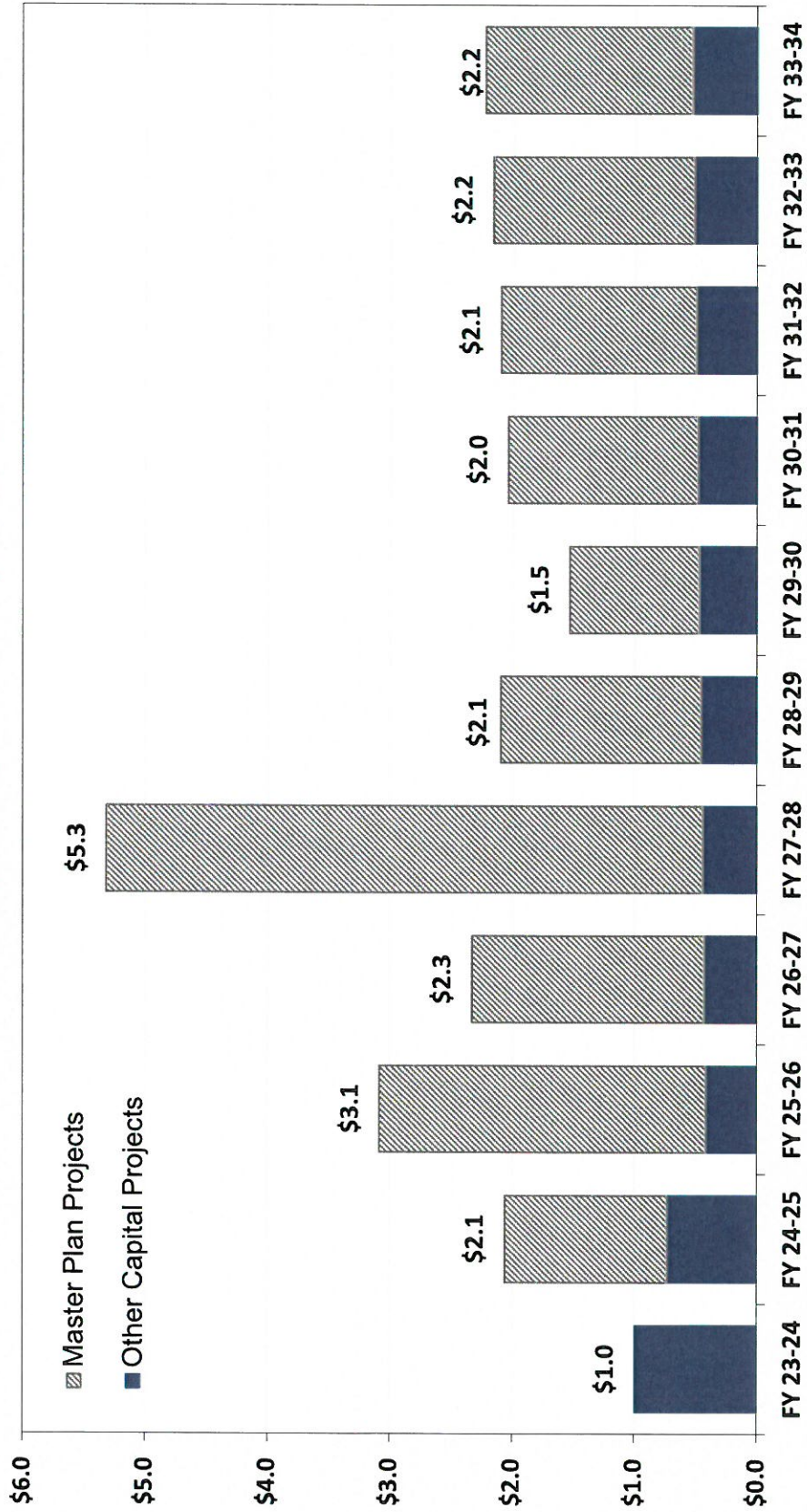
Table 3
Crestline SD - Draft Wastewater Rate Study
Capital Improvement Costs
Scenario 2: Fund Master Plan as Adopted

Project Description	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Huston Creek WWTP Retaining Wall		\$531,000									
Collection System Flow Data Analysis and Hydraulic Model Updates		\$135,000									
Seeley Creek WWTP Access Road Assessment		\$95,000									
Seeley Creek WWTP Primary Clarifier Condition Assessment		\$142,000									
Houston Creek WWTP Ongoing Facility Safety Upgrades		\$60,000	\$346,000								
Houston Creek WWTP Access Road Replacement		\$365,000	\$2,131,000								
Seeley Creek Primary Clarifier Upgrade			\$150,000	\$870,000							
Seeley Creek WWTP Primary ODS Electrical Upgrade			\$39,000	\$228,000							
Lake Gregory Wet Well Capacity Upgrade				\$118,000	\$690,000						
Seeley Creek WWTP Access Road Replacement				\$684,000	\$3,993,000						
Seeley Creek WWTP Well Construction				\$89,000	\$516,000						
Seeley Creek WWTP Ancillary Systems Upgrade				\$102,000	\$594,000						
Nutrient Management Study					\$304,000						
Huston Creek Primary Clarifiers Structural Assessment					\$228,000						
Huston Creek Primary Clarifier Replacement					\$1,065,000			\$11,554,000	\$1,601,000	\$1,649,000	\$1,698,000
Other CIP	\$992,600	\$730,000	\$414,575	\$427,012	\$439,823	\$453,017	\$466,608	\$480,606	\$495,024	\$509,875	\$525,171
Total	\$992,600	\$2,058,000	\$3,080,575	\$2,327,012	\$5,313,823	\$2,095,017	\$1,531,608	\$2,034,606	\$2,096,024	\$2,158,875	\$2,223,171

* (Adjusted for Inflation*)

Capital in future \$; includes annual construction cost inflation.

Crestline Sanitary District Sewer Capital Improvements (\$ millions)



Source: Dudek Master Plan.

Table 4
Crestline SD - Draft Wastewater Rate Study
Cash Flow Projection
Scenario 2: Fund Master Plan as Adopted

Cashflow	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
Beginning Reserve Balance	\$8,843,000	\$8,936,803	\$7,972,770	\$5,558,933	\$5,706,707	\$5,710,546
Revenues						
Sewer Rate Revenue						
Rate Revenue Increase		6.0%	6.0%	6.0%	6.0%	6.0%
Current Rate Revenue	\$3,347,309	\$3,347,309	\$3,548,148	\$3,761,036	\$3,986,699	\$4,225,901
Rate Revenue from Increase		\$200,839	\$212,889	\$225,662	\$239,202	\$253,554
Other Revenue						
Sewer Penalties	\$121,000	\$121,000	\$121,000	\$121,000	\$121,000	\$121,000
Pumped Waste Permits	35,300	36,359	36,359	36,359	36,359	36,359
Permit & Inspection Fees	1,000	1,000	1,000	1,000	1,000	1,000
Cleghorn State Reimbursement	120,000	120,000	120,000	120,000	120,000	120,000
Pilot Rock Camp Fee	7,800	7,800	7,800	7,800	7,800	7,800
Other Service Fees	200	200	200	200	200	200
Property Taxes ³	1,385,900	1,399,759	1,413,757	1,427,894	1,442,173	1,456,595
Special Assessments	11,000	11,000	11,000	11,000	11,000	11,000
Delinquent Accounts Receivable ²	-16,900	-17,914	-18,989	-20,128	-21,336	-22,616
Delinquent AR Assessment ²	16,900	16,900	17,914	18,989	20,128	21,336
Grants and Aids	9,700	9,700	9,700	9,700	9,700	9,700
Interest Income	95,100	89,368	79,728	55,589	57,067	57,105
Other Incomes	\$300	\$300	\$300	\$300	\$300	\$300
Total Revenues	\$5,134,609	\$5,343,620	\$5,560,805	\$5,776,402	\$6,031,292	\$6,299,234
Expenses						
Operating Expenses	\$4,048,206	\$4,249,653	\$4,439,513	\$4,578,562	\$4,722,076	\$4,870,203
SRF Loan ¹	0	0	454,554	454,554	454,554	454,554
New Debt Service	0	0	0	268,500	537,000	537,000
Cash Funded Capital	\$992,600	\$2,058,000	\$3,080,575	\$327,012	\$313,823	\$595,017
Total Expenses	\$5,040,806	\$6,307,653	\$7,974,642	\$5,628,628	\$6,027,452	\$6,456,774
Net Revenues	\$93,803	-\$964,033	-\$2,413,837	\$147,774	\$3,840	-\$157,540
Ending Reserve Balance	\$8,936,803	\$7,972,770	\$5,558,933	\$5,706,707	\$5,710,546	\$5,553,006
Debt Coverage Ratio (New Debt Minimum 1.3)			2.47	1.66	1.32	1.44
¹ Debt to begin repayment in 2025 at a 0.9% interest rate for 30 years.						
² Delinquent Accounts Receivable based on prior year delinquencies.						
³ Projected property tax escalation 1% per year						
Capital Funding Assumptions						
	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
Capital Revenues						
Use of Debt Proceeds				\$2,000,000	\$5,000,000	\$1,500,000
Cash Funded Capital	\$992,600	\$2,058,000	\$3,080,575	\$327,012	\$313,823	\$595,017
Total Capital Revenue	\$992,600	\$2,058,000	\$3,080,575	\$2,327,012	\$5,313,823	\$2,095,017
Total Capital Expenditures	\$992,600	\$2,058,000	\$3,080,575	\$2,327,012	\$5,313,823	\$2,095,017
New Financing Assumptions						
	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
Net Proceeds Needed				\$8,500,000		
Repayment Term (yrs)				30		
Interest Rate				4.5%		
Issuance and Underwriting Cost				\$250,000		
Total Debt Issue Size				\$8,750,000		
Prorated Debt Service Payment - Current Yr. Only				\$268,500		
Annual Debt Service Payment (rounded)				\$537,000		
Total Proposed Annual Water Debt Service		\$0	\$0	\$268,500	\$537,000	\$537,000

Table 4
Crestline SD - Draft Wastewater Rate :
Cash Flow Projection
Scenario 2: Fund Master Plan as Adop

Cashflow	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
Beginning Reserve Balance	\$5,553,006	\$5,926,662	\$5,781,759	\$6,227,837	\$6,651,875
Revenues					
Sewer Rate Revenue					
Rate Revenue Increase	6.0%	6.0%	6.0%	6.0%	6.0%
Current Rate Revenue	\$4,479,455	\$4,748,222	\$5,033,115	\$5,335,102	\$5,655,208
Rate Revenue from Increase	268,767	284,893	301,987	320,106	339,312
Other Revenue					
Sewer Penalties	\$121,000	\$121,000	\$121,000	\$121,000	\$121,000
Pumped Waste Permits	36,359	36,359	36,359	36,359	36,359
Permit & Inspection Fees	1,000	1,000	1,000	1,000	1,000
Cleghorn State Reimbursement	120,000	120,000	120,000	120,000	120,000
Pilot Rock Camp Fee	7,800	7,800	7,800	7,800	7,800
Other Service Fees	200	200	200	200	200
Property Taxes ³	1,471,161	1,485,872	1,500,731	1,515,738	1,530,896
Special Assessments	11,000	11,000	11,000	11,000	11,000
Delinquent Accounts Receivable ²	-23,973	-25,411	-26,936	-28,552	-30,265
Delinquent AR Assessment ²	22,616	23,973	25,411	26,936	28,552
Grants and Aids	9,700	9,700	9,700	9,700	9,700
Interest Income	55,530	59,267	57,818	62,278	66,519
Other Incomes	\$300	\$300	\$300	\$300	\$300
Total Revenues	\$6,580,915	\$6,884,175	\$7,199,485	\$7,538,968	\$7,897,582
Expenses					
Operating Expenses	\$5,023,097	\$5,180,917	\$5,343,828	\$5,512,001	\$5,685,612
SRF Loan ¹	454,554	454,554	454,554	454,554	454,554
New Debt Service	698,000	859,000	859,000	989,500	1,120,000
Cash Funded Capital	\$31,608	\$534,606	\$96,024	\$158,875	\$223,171
Total Expenses	\$6,207,259	\$7,029,077	\$6,753,407	\$7,114,930	\$7,483,338
Net Revenues	\$373,656	-\$144,903	\$446,078	\$424,037	\$414,245
Ending Reserve Balance	\$5,926,662	\$5,781,759	\$6,227,837	\$6,651,875	\$7,066,119
Debt Coverage Ratio (New Debt Minimum 1.3)	1.35	1.30	1.41	1.40	1.40
¹ Debt to begin repayment in 2025 at a 0.9% in					
² Delinquent Accounts Receivable based on pri					
³ Projected property tax escalation 1% per yea					
Capital Funding Assumptions					
	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
Capital Revenues					
Use of Debt Proceeds	\$1,500,000	\$1,500,000	\$2,000,000	\$2,000,000	\$2,000,000
Cash Funded Capital	\$31,608	\$534,606	\$96,024	\$158,875	\$223,171
Total Capital Revenue	\$1,531,608	\$2,034,606	\$2,096,024	\$2,158,875	\$2,223,171
Total Capital Expenditures	\$1,531,608	\$2,034,606	\$2,096,024	\$2,158,875	\$2,223,171
New Financing Assumptions					
	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34
Net Proceeds Needed	\$5,000,000			\$4,000,000	
Repayment Term (yrs)	30			30	
Interest Rate	4.5%			4.5%	
Issuance and Underwriting Cost	\$250,000			\$250,000	
Total Debt Issue Size	\$5,250,000			\$4,250,000	
Prorated Debt Service Payment - Current Yr.	\$161,000			\$130,500	
Annual Debt Service Payment (rounded)	\$322,000			\$261,000	
Total Proposed Annual Water Debt Service	\$698,000	\$859,000	\$859,000	\$989,500	\$1,120,000

Crestline Sanitary District Sewer Cashflow (\$ millions)

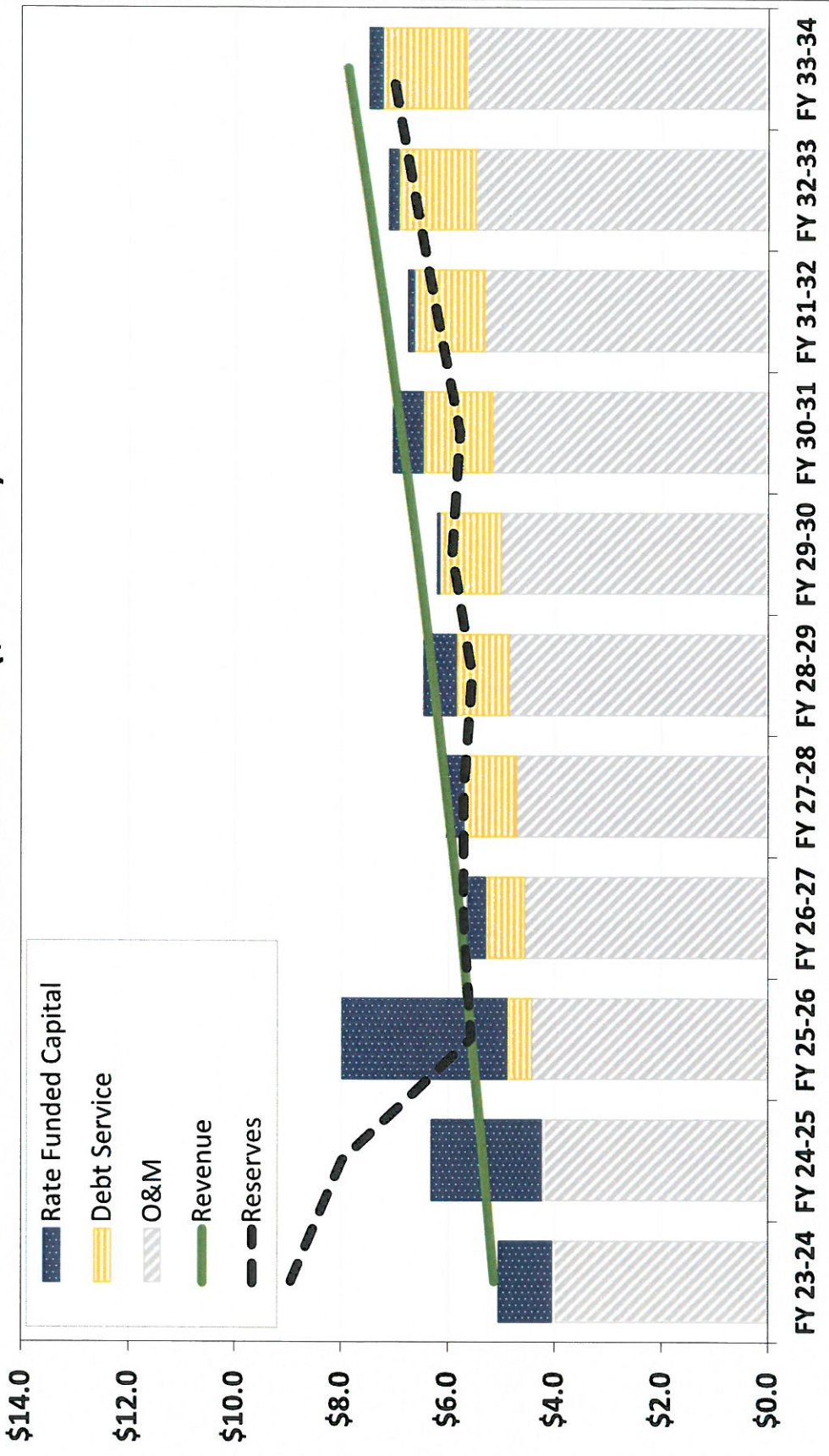


Table 5
Crestline SD - Draft Wastewater Rate Study
Recommended Rates

Scenario 2: Fund Master Plan as Adopted

Monthly Wastewater Rates	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
	<i>Existing</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>	<i>Proposed</i>
Fixed Charge Per EDU	\$52.82	\$55.99	\$59.35	\$62.91	\$66.68	\$70.68