

Projected Water and Sewer Budget and Rate Impacts  
Likely Funding Scenario  
Update February 25, 2019 - CLW

WATER

	2015 Actuals	2016/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30
Exist. Water Debt	\$ 368,853	\$ 362,856	\$ 354,472	\$ 347,846	\$ 342,026	\$ 335,696	\$ 282,746	\$ 282,477	\$ 270,619	\$ 197,471	\$ 197,471	\$ 197,471	\$ 197,471	\$ 197,471	\$ 197,471
Planned Projets															
CSO	\$ -		\$ 35,056	\$ 35,056	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124	\$ 43,124
Moose River	\$ -			\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528	\$ 9,528
Water Filters	\$ -	\$ -				\$ 123,109	\$ 123,109	\$ 123,109	\$ 123,109	\$ 123,109	\$ 123,109	\$ 123,109	\$ 123,109	\$ 123,109	\$ 123,109
Oak Street Drainage	\$ -	\$ -		\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146	\$ 13,146
Gilman /Pleasant	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 66,157	\$ 66,157	\$ 66,157	\$ 66,157	\$ 66,157	\$ 66,157	\$ 66,157	\$ 66,157	\$ 66,157
Future Water									\$ 65,894	\$ 65,894	\$ 65,894	\$ 65,894	\$ 65,894	\$ 65,894	\$ 65,894
STA Reserve Fund	\$ -	\$ 117,180	\$ 93,750	\$ 95,156	\$ 55,000	\$ 55,825	\$ 56,662	\$ 57,512	\$ 58,375	\$ 59,251	\$ 60,139	\$ 61,041	\$ 61,957	\$ 62,886	\$ 63,830
Admin/Water Fund	\$ 15,565	\$ 31,717	\$ 34,300	\$ 34,815	\$ 40,380	\$ 40,986	\$ 41,600	\$ 42,224	\$ 42,850	\$ 43,501	\$ 44,153	\$ 44,816	\$ 45,488	\$ 46,170	\$ 46,863
Total Water Fund	\$ 384,418	\$ 511,753	\$ 517,578	\$ 535,547	\$ 503,204	\$ 621,413	\$ 636,073	\$ 637,278	\$ 692,810	\$ 621,180	\$ 622,721	\$ 624,286	\$ 625,874	\$ 627,485	\$ 629,121
Administration	\$ 105,040	\$ 105,050	\$ 94,500	\$ 94,500	\$ 96,000	\$ 97,440	\$ 98,902	\$ 100,385	\$ 101,891	\$ 103,419	\$ 104,971	\$ 106,545	\$ 108,143	\$ 109,765	\$ 111,412
Water Distribution	\$ 578,285	\$ 388,869	\$ 321,806	\$ 271,006	\$ 354,230	\$ 359,543	\$ 364,937	\$ 370,411	\$ 375,967	\$ 381,606	\$ 387,330	\$ 393,140	\$ 399,037	\$ 405,023	\$ 411,098
Water Filter Plant	\$ 286,571	\$ 323,355	\$ 326,282	\$ 340,186	\$ 391,365	\$ 397,235	\$ 403,194	\$ 409,242	\$ 415,381	\$ 421,611	\$ 427,935	\$ 434,354	\$ 440,870	\$ 447,483	\$ 454,195
Total	\$ 1,354,314	\$ 1,329,027	\$ 1,260,166	\$ 1,241,239	\$ 1,344,799	\$ 1,475,632	\$ 1,503,105	\$ 1,517,315	\$ 1,586,048	\$ 1,527,817	\$ 1,542,958	\$ 1,558,326	\$ 1,573,924	\$ 1,589,756	\$ 1,605,826
% Increase in Expenses		-1.90%	-5.46%	-1.52%	7.70%	8.87%	1.83%	0.94%	4.33%	-3.81%	0.98%	0.99%	0.99%	1.00%	1.00%
% Increase in Rates		1.00%	0.00%	1.50%	0.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Rate Revenue		\$ 1,375,000.00	\$ 1,388,750.00	\$ 1,402,637.50	\$ 1,416,663.88	\$ 1,430,830.51	\$ 1,445,138.82	\$ 1,459,590.21	\$ 1,474,186.11	\$ 1,488,927.97	\$ 1,503,817.25	\$ 1,518,855.42	\$ 1,534,000.00	\$ 1,549,250.00	\$ 1,564,600.00
Proposed Total Revenue		\$ 1,329,027	\$ 1,280,000	\$ 1,299,200	\$ 1,432,800	\$ 1,446,550	\$ 1,460,438	\$ 1,474,464	\$ 1,488,631	\$ 1,502,939	\$ 1,517,390	\$ 1,531,986	\$ 1,546,728	\$ 1,561,617	\$ 1,576,655
Surplus (Deficit)		\$ -	\$ 19,834	\$ 57,961	\$ 88,001	\$ (29,082)	\$ (42,668)	\$ (42,851)	\$ (97,417)	\$ (24,878)	\$ (25,567)	\$ (26,339)	\$ (27,196)	\$ (28,139)	\$ (29,171)
Water Fund Balance				\$ 1,000,000	\$ 1,088,001	\$ 1,058,919	\$ 1,016,251	\$ 973,400	\$ 875,983	\$ 851,105	\$ 825,537	\$ 799,198	\$ 772,002	\$ 743,862	\$ 714,691
User (150 GPD)	\$ 98.67	\$ 99.66	\$ 99.66	\$ 101.16	\$ 101.16	\$ 102.17	\$ 103.19	\$ 104.22	\$ 105.26	\$ 106.32	\$ 107.38	\$ 108.45	\$ 109.54	\$ 110.63	\$ 111.74
Quarterly Increase		\$ 0.99	\$ -	\$ 1.49	\$ -	\$ 1.01	\$ 1.02	\$ 1.03	\$ 1.04	\$ 1.05	\$ 1.06	\$ 1.07	\$ 1.08	\$ 1.10	\$ 1.11

	Total Project Cost	Grant	P Loan	n No Years	r Interest Rate	A Annual Payment	Total Repayment
CSO Water	1,690,000	-	1,690,000	30	-2.50%	\$ 37,150.02	\$ 1,114,500.75
Moose River	850,000	212,500.00	637,500.00	40	2.25%	\$ 24,338.08	\$ 973,523.14
Water Filter Plant	4,780,000	2,151,000.00	2,629,000.00	40	3.50%	\$ 123,108.93	\$ 4,924,357.00
Oak Street Drainage	600,000	270,000.00	330,000.00	40	2.50%	\$ 13,145.96	\$ 525,838.28
Gilman and Pleasant	2,510,000	1,129,500.00	1,380,500.00	40	3.65%	\$ 66,157.30	\$ 2,646,291.97
Future Water	2500000	1,125,000.00	1,375,000.00	40	3.65%	\$ 65,893.72	\$ 2,635,748.98

SEWER

	2015/16	2016/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30
Exist. Sewer Debt	\$ 258,309	\$ 252,548	\$ 244,493	\$ 237,273	\$ 234,573	\$ 225,598	\$ 174,725	\$ 172,863	\$ 163,074	\$ 92,794	\$ 92,794	\$ 92,794	\$ 92,794	\$ 92,794	\$ 92,794
Planned Projects															
CSO	\$ -		\$ 96,122	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060	\$ 69,060
Screw Pumps	\$ -	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738	\$ 36,738
Phase II WW	\$ -			\$ -	\$ 141,658	\$ 141,658	\$ 141,658	\$ 141,658	\$ 141,658	\$ 141,658	\$ 141,658	\$ 141,658	\$ 141,658	\$ 141,659	\$ 141,660
Gilman/Pleasant	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 143,478	\$ 143,478	\$ 143,478	\$ 143,478	\$ 143,478	\$ 143,478	\$ 143,478	\$ 143,478	\$ 143,478
Future CSO Work									\$ 152,344	\$ 152,344	\$ 152,344	\$ 152,344	\$ 152,344	\$ 152,344	\$ 152,344
STA Reserve Fund	\$ 133,054	\$ 172,391	\$ 92,000	\$ 93,380	\$ 25,000	\$ 25,375	\$ 25,756	\$ 26,142	\$ 26,534	\$ 26,932	\$ 27,336	\$ 27,746	\$ 28,162	\$ 28,585	\$ 29,014
Admin /Sewer Fund			\$ 32,800	\$ 33,292	\$ 19,185	\$ 19,473	\$ 19,765	\$ 20,061	\$ 20,362	\$ 20,668	\$ 20,978	\$ 21,292	\$ 21,612	\$ 21,936	\$ 22,265
Budget	\$ 994,213	\$ 1,040,277		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Sewer Fund			\$ 502,153	\$ 469,743	\$ 526,214	\$ 517,902	\$ 611,180	\$ 610,000	\$ 753,248	\$ 683,672	\$ 684,386	\$ 685,111	\$ 685,846	\$ 686,594	\$ 687,353
Administration			\$ 56,500	\$ 56,500	\$ 56,500	\$ 57,348	\$ 58,208	\$ 59,081	\$ 59,967	\$ 60,867	\$ 61,780	\$ 62,706	\$ 63,647	\$ 64,602	\$ 65,571
Sewer Collection			\$ 122,457	\$ 108,687	\$ 155,640	\$ 157,975	\$ 160,344	\$ 162,749	\$ 165,191	\$ 167,668	\$ 170,184	\$ 172,736	\$ 175,327	\$ 177,957	\$ 180,627
Sewer Plant			\$ 791,564	\$ 794,400	\$ 806,316	\$ 818,411	\$ 830,687	\$ 843,147	\$ 855,794	\$ 868,631	\$ 881,661	\$ 894,886	\$ 908,309	\$ 921,934	\$ 935,763
Total	\$ 1,385,576	\$ 1,501,954	\$ 1,472,674	\$ 1,429,330	\$ 1,544,670	\$ 1,551,635	\$ 1,660,419	\$ 1,674,978	\$ 1,834,200	\$ 1,780,838	\$ 1,798,010	\$ 1,815,439	\$ 1,833,129	\$ 1,851,086	\$ 1,869,313
% Increase in Budget		7.75%	-1.99%	-3.03%	7.47%	0.45%	6.55%	0.87%	8.68%	-3.00%	0.96%	0.96%	0.97%	0.97%	0.98%
Proposed Increase		2.50%	0.00%	1.00%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Rate Revenue		\$ 1,547,875	\$ 1,571,093	\$ 1,594,660	\$ 1,618,579	\$ 1,642,858	\$ 1,667,501	\$ 1,692,513	\$ 1,717,901	\$ 1,743,670	\$ 1,769,825	\$ 1,796,372	\$ 1,823,300	\$ 1,850,722	\$ 1,878,144
Proposed Total Revenue		\$ 1,552,875	\$ 1,480,000	\$ 1,494,800	\$ 1,607,225	\$ 1,630,443	\$ 1,654,010	\$ 1,677,929	\$ 1,702,208	\$ 1,726,851	\$ 1,751,863	\$ 1,777,251	\$ 1,803,020	\$ 1,829,175	\$ 1,855,722
surplus (deficit)		\$ 50,921	\$ 7,326	\$ 65,470	\$ 62,555	\$ 19,458	\$ (65,759)	\$ (56,398)	\$ (191,342)	\$ (113,337)	\$ (105,496)	\$ (97,538)	\$ (89,460)	\$ (81,262)	\$ (72,940)
Wastewater Fund Balance				\$ 850,000	\$ 912,555	\$ 932,013	\$ 866,254	\$ 809,856	\$ 618,514	\$ 505,176	\$ 399,680	\$ 302,142	\$ 212,682	\$ 131,421	\$ 58,480
User (150 GPD)	\$ 139.12	\$ 142.60	\$ 142.60	\$ 144.02	\$ 146.18	\$ 148.38	\$ 150.60	\$ 152.86	\$ 155.15	\$ 157.48	\$ 159.84	\$ 162.24	\$ 164.67	\$ 167.14	\$ 169.65
Quarterly increase		\$ 3.48	\$ -	\$ 1.43	\$ 2.16	\$ 2.19	\$ 2.23	\$ 2.26	\$ 2.29	\$ 2.33	\$ 2.36	\$ 2.40	\$ 2.43	\$ 2.47	\$ 2.51

	Total Project Cost	Grant	P Loan	n No Years	r Interest Rate	A Annual Payment	Total Repayment
CSO Sewer	2,001,500	625,000	1,376,500	20	0.00%	\$ 68,824.99	\$ 1,376,499.89
Screw Pump	1,350,000	607,500.00	742,500.00	30	2.13%	\$ 33,738.90	\$ 1,012,166.95
Phase II WW	4,650,000	2,092,500.00	2,557,500.00	30	3.65%	\$ 141,680.22	\$ 4,250,406.73
Gilman and Pleasant	4,709,000	2,119,050.00	2,589,950.00	30	3.65%	\$ 143,477.89	\$ 4,304,336.62
Future CSO	5000000	2,250,000.00	2,750,000.00	30	3.65%	\$ 152,344.33	\$ 4,570,329.82