



Municipality of North Cowichan
2018 - 2022 Utility Review



December 11, 2017

Chemainus Water

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax	600,561	631,570	670,464	710,875	752,875	798,794
Sales of Service	686,502	716,192	747,275	781,361	817,056	854,439
Gas Tax Revenue	100,000	200,000	100,000	100,000	100,000	100,000
Debt and DCC's			58,700			
Other	300,000	310,000	315,000	315,000	345,000	350,000
Total Revenue	1,687,063	1,857,762	1,891,439	1,907,236	2,014,931	2,103,233
Maintenance & Admin	883,817	896,450	909,240	922,150	935,220	896,526
Well Permit	100,000					
Capital Projects	200,000	320,000	737,108	500,000	700,000	306,000
Debenture Debt Charge	190,534	190,534	190,534	190,534	190,534	190,534
Amortization	300,000	310,000	315,000	315,000	345,000	350,000
Total Expenditure	1,674,351	1,716,984	2,151,882	1,927,684	2,170,754	1,743,060
Surplus (Deficit)	12,712	140,778	(260,443)	(20,448)	(155,823)	360,173

Chemainus Surplus & DCC Balance

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
<i>Surplus</i>						
Acc. Surplus Beg Yr.	409,851	422,563	563,341	302,898	282,450	125,755
Surplus (Deficit)	12,712	140,778	(260,443)	(20,448)	(155,823)	360,173
Acc. Surplus End Yr.	422,562	563,341	302,898	282,450	125,754	485,928
<i>Chemainus Water DCC</i>						
Opening Balance	164,185	326,913	365,964	349,597	391,603	438,908
Interest	2,463	6,538	7,319	6,992	9,790	10,973
Contributions	160,265	32,513	35,014	35,014	37,515	37,515
Draws			(58,700)		-	-
Closing Balance	326,913	365,964	349,597	391,603	438,908	489,897
Closing Surplus & DCC	749,476	929,305	652,496	674,053	564,662	973,324

Chemainus Water Revenue

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax – No. Parcels	2,301	2,305	2,328	2,351	2,375	2,399
Parcel Tax – Annual Rate	261	274	288	302	317	333
Parcel Tax Revenue	\$600,561	\$631,570	\$670,464	\$710,002	\$752,875	\$798,784
Annual Parcel Tax	261	274	288	302	317	333
Annual Water – Basic	212	223	234	246	258	271
Total Annual Charge	\$473	\$497	\$522	\$548	\$575	\$604
Annual Increase	\$22.00	\$24.00	\$25.00	\$26.00	\$27.00	\$29.00
% Increase	5%	5%	5%	5%	5%	5%

Crofton Water

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax	182,344	193,193	205,233	217,473	230,944	244,635
Sales of Service	411,344	429,442	448,772	470,000	495,978	520,619
CWWW Grant	1,614,350	976,910				
From SE Water/DCC	170,000				58,000	53,000
Gas Tax Revenue	50,000	50,000		100,000	50,000	50,000
Other	94,000	94,000	96,000	96,000	96,000	98,000
Total Revenue	2,522,038	1,743,545	750,005	883,473	930,922	966,254
Maintenance & Admin	439,096	445,120	451,520	457,950	464,580	473,406
Capital Projects	2,065,000	1,232,000	170,000		302,000	280,000
Debenture Debt Charge	39,687	39,687	39,687	139,687	109,687	39,687
Amortization	94,000	94,000	96,000	96,000	96,000	98,000
Total Expenditure	2,517,783	1,810,807	757,207	693,637	972,267	891,093
Surplus (Deficit)	(115,746)	(67,262)	(7,202)	189,836	(41,345)	75,161

Crofton Surplus & DCC Balance

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
<i>Surplus</i>						
Acc. Surplus - Begin Year	215,966	100,200	32,958	25,756	215,592	174,247
Surplus (Deficit)	(115,746)	(67,262)	(7,202)	189,836	(41,345)	75,161
Acc. Surplus - End Year	100,220	32,958	25,756	215,592	174,247	249,407
<i>Crofton Water DCC</i>						
Opening Balance	110,551	12,765	129,346	146,176	163,259	123,415
Interest	902	1,691	1,940	2,193	3,265	2,468
Contributions	1,312	14,890	14,890	14,890	14,890	14,890
Draws	-	-	-		(58,000)	(53,000)
Closing Balance	112,765	129,346	146,176	163,259	123,414	87,773
Closing Surplus & DCC	212,985	162,284	171,932	378,851	297,661	337,180

Crofton Revenue

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax – No. Parcels	991	1,001	1,011	1,021	1,031	1,031
Parcel Tax – Annual Rate	184	193	203	213	224	235
Annual Parcel Tax Revenue	182,344	\$193,193	\$205,233	\$217,473	\$230,944	\$244,635
Annual Parcel Tax	184	193	203	213	224	235
Annual Water – Basic	368	386	405	425	446	468
Total Annual Charge	\$552	\$579	\$608	\$638	\$670	\$703
Annual Increase	\$27.00	\$27.00	\$29.00	\$30.00	\$32.00	\$33.00
% Increase	5%	5%	5%	5%	5%	5%

South End Water

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax & LIF	1,107,023	1,147,293	1,186,060	1,233,814	1,282,288	1,306,425
Sales of Service	1,327,006	1,368,780	1,394,786	1,433,814	1,473,214	1,534,207
CWWW Grant/DCC	3,486,000	58,500	442,924	25,386		
Other	640,000	640,000	653,000	653,000	653,000	653,000
Total Revenue	6,560,029	3,214,573	3,676,770	3,346,014	3,408,502	3,493,632
Maintenance & Admin	1,327,230	1,338,130	1,357,800	1,378,000	1,398,390	1,424,078
Pumping	282,260	285,860	289,470	293,140	296,890	302,828
Capital Projects	4,819,000	1,488,500	1,120,000	808,000	816,320	1,211,373
Debenture Debt Charge	50,242	50,242	42,160	42,161	42,161	29,235
Amortization	640,000	640,000	653,000	653,000	653,000	653,000
Total Expenditure	7,118,732	3,802,732	3,462,430	3,174,300	3,206,761	3,620,514
Surplus (Deficit)	(558,703)	(588,159)	214,340	174,714	201,741	(126,882)

South End Surplus & DCC Balance

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
<i>Surplus</i>						
Acc. Surplus - Begin Year	3,599,976	3,041,292	2,453,133	2,667,453	2,839,166	3,040,907
Surplus (Deficit)	(558,703)	(588,159)	214,340	171,714	201,741	(126,881)
Acc. Surplus - End Year	3,041,272	2,453,133	2,667,453	2,839,167	3,040,907	2,914,026
<i>South End Water DCC</i>						
Opening Balance	1,411,513	1,526,726	1,649,667	1,387,295	1,539,715	1,720,569
Interest	14,000	22,901	32,993	27,746	30,794	34,411
Contributions	101,213	100,040	147,559	150,060	150,060	152,561
Draws	-		(442,924)	(25,386)	-	-
Closing Balance	1,526,726	1,649,667	1,387,295	1,539,715	1,720,569	1,907,542
Closing Surplus & DCC	4,567,998	4,102,780	4,054,748	4,378,902	4,761,497	4,821,588

South End Revenue

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax – No. Parcels	5871	5,930	5,989	6,049	6,109	6,170
Parcel Tax – Annual Rate	180	185	191	197	203	207
Annual Parcel Tax Revenue	\$1,056,780	\$1,097,050	\$1,143,899	\$1,191,653	\$1,240,127	\$1,277,190
Annual Parcel Tax	180	185	191	197	201	207
Annual Water – Basic	158	163	168	173	178	183
Total Annual Charge	\$338	\$348	\$359	\$370	\$381	\$390
Annual Increase	\$10.00	\$10.00	\$11.00	\$11.00	\$11.00	\$9.00
% Increase	3%	3%	3%	3%	3%	2%

2018 Utility Rates – Water

Recommendation:

▶ **Chemainus Water**

- ▶ Increase metered minimum and parcel tax by 5%

▶ **Crofton Water**

- ▶ Increase metered minimum and parcel tax by 5%

▶ **South End Water**

- ▶ Increase metered minimum and parcel tax by 3%

▶ **Increase metered water rates by 3%**

- ▶ 7001 to 32,000 gallons (each 1000 gallon) \$2.06
- ▶ Over 32,000 gallons (each 1,000 gallons) \$3.03

Chemainus Sewer

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax & LIF	822,637	847,854	873,413	899,314	925,557	954,091
Sales of Service	289,892	295,610	301,422	307,391	313,458	319,648
Interest	21,386	20,297	22,389	24,759	27,657	50,255
Amortization/DCC	230,000	230,000	230,000	422,000	230,000	237,000
Total Revenue	1,363,915	1,393,761	1,427,244	1,653,464	1,496,672	1 560 994
Maintenance & Admin	353,944	358,620	363,340	368,110	372,960	379,819
Pumping	61,000	61,870	62,760	63,650	64,570	65,861
Treatment	331,571	336,310	341,110	345,990	350,950	357,969
Capital Projects	843,380	1,610,880	186,180	690,700	194,510	198,400
Debenture Debt Charge	63,962		-	-	-	-
LIF Debt Charge	6,877	6,877	6,877	6,877	6,877	6,877
Amortization	230,000	230,000	230,000	230,000	230,000	237,000
Total Expenditure	1,890,734	2,604,557	1,190,267	1,705,327	1,219,867	1,245,926
Surplus (Deficit)	(526,819)	(1,210,796)	236,977	(51,863)	276,805	315,068

Chemainus Surplus & DCC Balance

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
<i>Surplus</i>						
Acc. Surplus - Begin Year	3,123,125	3,196,306	1,985,510	2,222,487	2,170,624	2,447,429
Surplus (Deficit)	73,183	(1,210,796)	236,977	(51,863)	276,806	315,068
Acc. Surplus - End Year	3,196,306	1,985,510	2,222,487	2,170,624	2,447,429	2,762,497
<i>Chemainus Sewer DCC</i>						
Opening Balance	113,733	183,019	209,324	237,071	73,372	98,400
Interest	1,786	2,745	4,186	4,741	1,467	1,968
Contributions	67,500	23,560	23,560	23,560	23,560	23,560
Draws	-	-	-	(192,000)		
Closing Balance	183,019	209,324	237,071	73,372	98,400	123,928
Closing Surplus & DCC	3,379,325	2,194,834	2,459,558	2,243,996	2,545,829	2,886,425

Chemainus Revenue

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax – No. Parcels	1,854	1,873	1,892	1,911	1,930	1,949
Parcel Tax – Annual Rate	440	449	458	467	476	486
Annual Parcel Tax Revenue	\$815,760	\$840,977	\$866,536	\$892,437	\$918,680	\$947,214
Annual Parcel Tax	440	449	458	467	476	486
Annual Sewer – Basic	140	143	146	149	155	155
Total Annual Charge	\$580	\$592	\$604	\$616	\$628	\$641
Annual Increase	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$13.00
% Increase	2%	2%	2%	2%	2%	2%

Crofton Sewer

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax	339,061	349,029	359,125	370,202	381,866	393,692
Sales of Service	280,445	285,384	290,422	295,560	300,801	306,147
Interest	14,947	16,370	8,306	3,052	3,159	4,434
Amortization/DCC	160,000	220,000	160,000	160,000	160,000	160,000
Total Revenue	794,453	870,783	817,853	828,814	845,826	864,273
Maintenance & Admin	334,810	341,023	347,842	354,555	361,399	368,405
Treatment	205,701	209,815	214,011	218,292	220,881	222,657
Capital Projects	149,000	127,240	1,000,000	88,860	90,637	92,450
Debenture Debt Charge	38,616	16,578	-	-	-	-
Amortization	160,000	160,000	160,000	160,000	160,000	160,000
Total Expenditure	888,127	854,656	1,721,853	821,707	834,694	847,965
Surplus (Deficit)	(93,674)	16,126	(904,000)	7,107	11,132	16,308

Crofton Surplus & DCC Balance

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
<i>Surplus</i>						
Acc. Surplus - Begin Year	1,185,027	1,091,353	1,107,180	203,480	210,587	221,719
Surplus (Deficit)	(93,674)	16,127	(904,000)	7,107	11,132	16,308
Acc. Surplus - End Year	1,091,353	1,107,480	203,480	210,587	221,719	238,027
<i>Crofton Sewer DCC</i>						
Opening Balance	52,892	54,498	4,547	19,405	34,561	51,866
Interest	793	817	91	388	691	1,037
Contributions		9,230	14,768	14,768	16,614	16,614
Draws		(60,000)	-	-	-	-
Closing Balance	54,498	4,546	19,405	34,561	51,866	69,517
Closing Surplus & DCC	1,145,038	1,112,024	222,885	245,147	273,584	307,543

Crofton Revenue

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax – No. Parcels	829	837	845	853	862	871
Parcel Tax – Annual Rate	409	417	425	434	443	452
Annual Parcel Tax Revenue	\$339,601	\$349,029	\$359,125	\$370,202	\$381,866	\$393,692
Annual Parcel Tax	409	417	425	434	443	452
Annual Sewer – Basic	265	270	275	281	287	293
Total Annual Charge	\$674	\$687	\$700	\$715	\$730	\$745
Annual Increase	\$13.00	\$13.00	\$13.00	\$15.00	\$15	\$15
% Increase	2%	2%	2%	2%	2%	2%

South End Sewer

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
Parcel Tax & LIF	1,171,405	1,205,871	1,252,459	1,300,590	1,350,091	1,400,986
Sales of Service	1,042,002	1,062,456	1,083,323	1,104,612	1,126,332	1,148,490
Interest	73,713	73,714	73,504	51,487	32,492	84,725
Amortization/DCC/GR	540,000	848,606	2,524,925	8,999,269	800,000	910,000
Total Revenue	2,827,120	3,190,647	4,934,211	11,455,958	3,308,915	3,544,201
Maint & Admin	784,967	795,400	810,630	826,161	841,999	858,100
Pumping	121,720	123,270	125,735	128,250	130,815	133,431
Treatment	569,673	484,067	493,748	503,623	513,696	523,970
Capital Projects	2,073,153	997,212	4,849,851	11,051,649	400,000	400,000
Fiscal Services	59,725	59,725	59,725	59,725	59,725	59,725
Amortization	540,000	550,000	800,000	800,000	800,000	810,000
Total Expenditure	4,084,375	3,009,674	7,139,690	13,369,408	2,746,235	2,785,226
Surplus (Deficit)	(1,260,255)	180,973	(2,205,479)	(1,913,450)	562,680	758,975

South End Surplus & DCC Balance

	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	2022 Budget
<i>Surplus</i>						
Acc. Surplus - Begin Year	8,553,378	7,293,123	7,474,096	5,268,617	3,355,167	3,917,847
Surplus (Deficit)	(1,260,255)	180,973	(2,205,479)	(1,913,450)	562,680	758,975
Acc. Surplus - End Year	7,293,123	7,474,096	5,268,617	3,355,167	3,917,847	4,676,822
<i>South End Sewer DCC</i>						
Opening Balance	4,862,335	5,140,365	5,322,741	5,726,503	2,366,030	2,723,474
Interest	72,935	77,105	106,455	114,530	47,321	54,469
Contributions	205,095	105,270	297,308	304,997	310,123	315,249
Draws	-	-	-	(3,780,000)		(100,000)
Closing Balance	5,140,365	5,322,741	5,726,503	2,366,030	2,723,474	2,993,192
Closing Surplus & DCC	12,433,489	12,796,837	10,995,121	5,721,198	6,641,322	7,670,015

South End Revenue

	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget
Parcel Tax – Parcels	5,703	5,760	5,818	5,934	6053	6,174
Parcel Tax – Rate	189	193	197	201	205	209
Annual Parcel Tax Revenue	\$1,077,867	\$1,111,680	\$1,146,146	\$1,192,734	\$1,240,865	\$1,290,336
Annual Parcel Tax	189	193	197	201	205	209
Annual Sewer – Basic	149	152	155	158	161	164
Total Annual Charge	\$338	\$345	\$352	\$359	\$366	\$373
Annual Increase	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00
% Increase	2%	2%	2%	2%	2%	2%

2018 Utility Rates – Sewer

Recommendation:

▶ Chemainus Sewer

- ▶ Increase parcel tax and user fees by 2%

▶ Crofton Sewer

- ▶ Increase parcel tax and user fee by 2%

▶ South End Sewer

- ▶ Increase parcel tax and user fee by 2%

Maple Bay Revenue

	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2021 Budget
Parcel Tax – Parcels	34	45	45		
Parcel Tax – Rate	1,870	2,797	4,514		
Annual Parcel Tax Revenue	\$38,654	\$57,815	\$93,312		
Average Parcel Tax	400	600	967		
Annual Sewer – Basic	1,000	1,000	1,000		
Total Annual Charge	\$1,400	\$1,600	\$1,967		
Annual Increase		\$200	\$367		
% Increase		14%	23%		

Meeting Schedule – Budgets

DATE		ITEM	TIME/STATUS
December 18, 2017	COW	Review Financial Plan and Capital Expenditure Plan	6 p.m.

