# ALLOCATION OF WASTEWATER FLOW AND COST APPORTIONMENT

#### **ALLOCATION OF DESIGN CAPACITY**

The treatment capacity of the wastewater treatment plant is 108 ML/day measured on the basis of Average Dry Weather Flows (ADWF). Design capacity is allocated to participants as shown in Table One, subject to adjustment for transfer of capacity in accordance with this bylaw.

TABLE ONE: ALLOCATION OF DESIGN CAPACITY AS MEASURED BY ADWF

	Allocated Treatment	
	Capacity in ADWF	
	(ML/day)	% of Total
Colwood	4.70	4.35%
Esquimalt	7.03	6.51%
Esquimalt Nation	0.14	0.13%
Langford	14.12	13.08%
Oak Bay	6.62	6.13%
Saanich	32.89	30.45%
Songhees Nation	0.66	0.61%
Victoria	38.30	35.46%
View Royal	3.54	3.28%
Total	108.00	100.00%

Anticipated flow in terms of AAF are derived in the manner shown in Table Two. Table Three shows the percentage allocation of capital and debt servicing costs calculated from the % allocation of design capacity defined in terms of ADWF and AAF.

TABLE TWO: CONVERSION OF ADWF DESIGN CAPACITY INTO AAF

	ADWF	Conversion	AAF	% of Total
	(ML/day)	Factor *	(ML/day)	
Colwood	4.70	1.046	4.92	3.98%
Esquimalt	7.03	1.161	8.16	6.61%
Esquimalt Nation	0.14	1.286	0.18	0.15%
Langford	14.12	1.013	14.30	11.58%
Oak Bay	6.62	1.304	8.63	6.98%
Saanich	32.89	1.130	37.17	30.09%
Songhees Nation	0.66	1.061	0.70	0.56%
Victoria	38.30	1.197	45.85	37.11%
View Royal	3.54	1.028	3.64	2.95%
Total	108.00	·	123.54	100.00%

<sup>\*</sup>The conversion factor was calculated using measured ADWF and AAF in year 2012.

#### **SCHEDULE "C"**

### APPORTIONMENT OF CAPITAL AND DEBT SERVICING COSTS

## TABLE THREE: PERCENTAGE ALLOCATION OF CAPITAL AND DEBT SERVICING COSTS

	% Distribution of	% Distribution of	% Allocation of Debt
	ADWF	AAF	Servicing Costs
Weighting factor	0.7	0.3	
Colwood	4.35%	3.98%	4.24%
Esquimalt	6.51%	6.61%	6.54%
Esquimalt Nation	0.13%	0.15%	0.13%
Langford	13.08%	11.58%	12.63%
Oak Bay	6.13%	6.98%	6.39%
Saanich	30.45%	30.09%	30.34%
Songhees Nation	0.61%	0.56%	0.60%
Victoria	35.46%	37.11%	35.96%
View Royal	3.28%	2.95%	3.18%
Total	100.00%	100.00%	100.00%

All calculations subject to change based on transfer of treatment capacity pursuant to the terms of this bylaw.