

Illustration 1

Mr CHAN is a domestic water account user. He consumed 62m³ water during the first billing period in 2020 and charges payable for the period are calculated as follows –

Billing Period	22 Jan – 23 May 2020			
No. of days	122 days			
Water Consumption	62 m ³			
Average Daily Consumption	0.508m ³			
Water Charge				
Tariff tier	Consumption	Charge per m ³	Charge	
	(m ³)	(\$)	(\$)	
First	12m ³ x 122/121.64=	12.036	Free	--
Second	31m ³ x 122/121.64=	31.092	4.16	129.34
Third	The remainder	18.872	6.45	121.72
		<u>62</u>		<u>251.06</u>
Sewage Charge				
Tariff tier	Consumption	Charge per m ³	Charge	
	(m ³)	(\$)	(\$)	
First	12m ³ x 122/121.64=	12.036	Free	--
Second	The remainder	49.964	2.92	145.89
		<u>62</u>		<u>145.89</u>
Total Charges				
Water Charge \$251.06 + Sewage Charge \$145.89 = <u>\$396.95</u>				

In January 2021, Mr CHAN's premise was considered as high risk and hence the routine meter reading as well as the water bill originally scheduled in January 2021 was suspended. A water bill will be issued in May 2021 covering a combined billing period, charges calculated as follows –

(i) Scenario 1 – Similar average daily consumption comparing to Jan–May 2020

Billing Period	23 Sep 2020 – 23 May 2021			
No. of days	242 days			
Water Consumption	123 m ³			
Average Daily Consumption	0.508 m ³ [similar to Jan–May 2020]			
Water Charge				
Tariff tier	Consumption	Charge per m ³	Charge	
	(m ³)	(\$)	(\$)	
First	12m ³ x 242/121.64=	23.874	Free	--
Second	31m ³ x 242/121.64=	61.674	4.16	256.56
Third	The remainder	37.452	6.45	241.56
		<u>123</u>		<u>498.12</u>
Sewage Charge				
Tariff tier	Consumption	Charge per m ³	Charge	
	(m ³)	(\$)	(\$)	
First	12m ³ x 242/121.64=	23.874	Free	--
Second	The remainder	99.126	2.92	289.44
		<u>123</u>		<u>289.44</u>
Total Charges				
Water Charge \$498.12 + Sewage Charge \$289.44 = <u>\$787.56</u>				
With similar water consumption habit, the total charges is around double of that for Jan – May 2020.				

(ii) Scenario 2 – 25% increase in average daily consumption comparing Jan–May 2020

Billing Period	23 Sep 2020 – 23 May 2021
No. of days	242 days
Water Consumption	154 m ³
Average Daily Consumption	0.636 m ³ [25% increase comparing to Jan–May 2020]

Water Charge

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)	
First	12m ³ x 242/121.64=	23.874	Free	--
Second	31m ³ x 242/121.64=	61.674	4.16	256.56
Third	19m ³ x 242/121.64=	37.800	6.45	243.81
Forth	The remainder	30.652	9.05	277.40
	<u>154</u>			<u>777.77</u>

Sewage Charge

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)	
First	12m ³ x 242/121.64=	23.874	Free	--
Second	The remainder	130.126	2.92	379.96
	<u>154</u>			<u>379.96</u>

Note – The consumption allowed in each tier is increased on a pro-rata basis according to the actual number of days.

Total Charges

Water Charge \$777.77 + Sewage Charge \$379.96 = **\$1,157.73**

Total Charges are 47% higher than that in Scenario 1. Due to the increase in average daily consumption, there is a substantial increase in charge under the tiered tariff structure.

Illustration 2

Mr LEE is a domestic water account user. He consumed 80m³ water during the first billing period in 2020 and charges payable for the period are calculated as follows –

Billing Period	22 Jan – 23 May 2020
No. of days	122 days
Water Consumption	80 m ³
Average Daily Consumption	0.656 m ³

Water Charge

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)	
First	12m ³ x 122/121.64=	12.036	Free	--
Second	31m ³ x 122/121.64=	31.092	4.16	129.34
Third	19m ³ x 122/121.64=	19.056	6.45	122.91
Forth	The remainder	17.816	9.05	161.23
		<u>80</u>		<u>413.48</u>

Sewage Charge

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)	
First	12m ³ x 122/121.64=	12.036	Free	--
Second	The remainder	67.964	2.92	198.45
		<u>80</u>		<u>198.45</u>

Total Charges

Water Charge \$413.48 + Sewage Charge \$198.45 = **\$611.93**

In January 2021, Mr LEE's premise was considered as high risk and hence the routine meter reading as well as the water bill originally scheduled in January 2021 was suspended. A water bill will be issued in May 2021 covering a combined billing period, charges calculated as follows –

(i) Scenario 1 – Similar average daily consumption comparing to Jan–May 2020

Billing Period	23 Sep 2020 – 23 May 2021
No. of days	242 days
Water Consumption	159 m ³
Average Daily Consumption	0.657 m ³ [similar to Jan–May 2020]

Water Charge

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)
First	12m ³ x 242/121.64=	23.874	Free
Second	31m ³ x 242/121.64=	61.674	256.56
Third	19m ³ x 242/121.64=	37.800	243.81
Forth	The remainder	35.652	322.65
		159	823.02

Sewage Charge

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)
First	12m ³ x 242/121.64=	23.874	Free
Second	The remainder	135.126	394.56
		159	394.56

Note – The consumption allowed in each tier is increased on a pro-rata basis according to the actual number of days.

Total Charges

Water Charge \$823.02 + Sewage Charge \$394.56 = **\$1,217.58**

With similar water consumption habit, the total charges is around double of that for Jan – May 2020.

(ii) Scenario 2 – 25% increase in average daily consumption comparing Jan–May 2020

Billing Period	23 Sep 2020 – 23 May 2021
No. of days	242 days
Water Consumption	198m ³
Average Daily Consumption	0.818m ³ [25% increase comparing to Jan–May 2020]

Water Charges

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)
First	12m ³ x 242/121.64=	23.874	Free
Second	31m ³ x 242/121.64=	61.674	256.56
Third	19m ³ x 242/121.64=	37.800	243.81
Forth	The remainder	74.652	675.60
		198	1,175.97

Sewage Charges

Tariff tier	Consumption (m ³)	Charge per m ³ (\$)	Charge (\$)
First	12m ³ x 242/121.64=	23.874	Free
Second	The remainder	174.126	508.44
		198	508.44

Note – The consumption allowed in each tier is increased on a pro-rata basis according to the actual number of days.

Total Charges

Water Charge \$1,175.97 + Sewage Charge \$508.44 = **\$1,684.41**

Total Charges are 38% higher than that in Scenario 1. Due to the increase in average daily consumption, there is a substantial increase in charges under the tiered tariff structure.