



## Reasonable Cost Contributions: Non-dwellings

for 1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022

To support household, commercial and industrial development in Scotland, Scottish Water has a duty to extend its network, provided the costs of doing that are reasonable. The regime requires Scottish Water to meet all the costs of providing additional capacity to meet the needs of households and the domestic needs of business and industry at Part 4 assets - sources and treatment works and water treatment works. The Reasonable Cost Regulations prescribe the maximum contribution that Scottish Water should make towards the costs of providing new or enhancing existing water mains or sewers for household, commercial and industrial developments.

The 2021-22 maximum reasonable cost contributions Scottish Water will provide for non-dwellings are;

Water:

Employee (fte) Lower Range	Employee (fte) Upper Range*	Toilets only (£)	Toilets & Showers (£)	Toilets & Canteen (£)	Toilets & Canteen & Showers (£)
0	20	272	384	550	657
20	50	959	1,343	1,917	2,302
50	100	2,053	2,876	4,107	4,929
100	200	4,107	5,746	8,213	9,853
200	300	6,841	9,581	13,687	16,422
300	400	9,581	13,410	19,161	22,991
400	500	12,315	17,244	24,635	29,560
500	750	17,108	23,949	34,211	41,057
750	1000	23,949	33,530	47,899	57,479
1000	1250	30,791	43,106	61,581	73,901
1250	1500	37,632	52,687	75,269	90,323

Waste water (sewerage):

Employee (fte) Lower Range	Employee (fte) Upper Range*	Toilets only (£)	Toilets & Showers (£)	Toilets & Canteen (£)	Toilets & Canteen & Showers (£)
0	20	296	417	596	713
20	50	1,040	1,457	2,080	2,497
50	100	2,228	3,120	4,455	5,347
100	200	4,455	6,234	8,910	10,689
200	300	7,422	10,394	14,849	17,815
300	400	10,394	14,548	20,787	24,941
400	500	13,360	18,707	26,726	32,068
500	750	18,560	25,981	37,114	44,541
750	1000	25,981	36,375	51,963	62,356
1000	1250	33,403	46,763	66,806	80,171
1250	1500	40,825	57,157	81,655	97,987



These values are calculated using the formulas and water usage set out in the Provision of Water and Sewerage Services (Reasonable Cost) (Scotland) Regulations 2015. The formulas for non-dwellings are shown below, along-side the calculation for 2021-22 using water usage of 1m<sup>3</sup>.

Water:

$$Amount = \frac{U_{cw} \times V_{dom}}{r} \left[ 1 - \left( \frac{1}{1+r} \right)^6 \right] \quad \pounds 4.87 = \frac{\pounds 0.9131 \times 1}{3.50\%} \left[ 1 - \left( \frac{1}{1+3.50\%} \right)^6 \right]$$

where—

“U<sub>cw</sub>” is the predicted average amount that water services providers are to be charged by Scottish Water per cubic metre of water supplied during the connection year, calculated using the formula set out in Appendix 1; and

“V<sub>dom</sub>” is the relevant figure (expressed in cubic metres per annum) in the table in Schedule 2 which corresponds to the maximum number of persons to be employed at the building (or, as the case may be, the part of it) in question at any point in the connection year and to whether that building (or that part of it) has a toilet, shower or canteen (or a combination of these).

Waste water:

$$Amount = \frac{U_{cs} \times V_{dom} \times 0.95}{r} \left[ 1 - \left( \frac{1}{1+r} \right)^6 \right] \quad \pounds 5.28 = \frac{\pounds 1.043 \times 1 \times 0.95}{3.50\%} \left[ 1 - \left( \frac{1}{1+3.50\%} \right)^6 \right]$$

where—

“U<sub>cs</sub>” is the predicted average amount that waste water services providers are to be charged by Scottish Water per cubic metre of sewage disposed of during the connection year, calculated using the formula set out in Appendix 1; and

“V<sub>dom</sub>” is the relevant figure (expressed in cubic metres per annum) in the table in Schedule 2 which corresponds to the maximum number of persons to be employed at the premises (or, as the case may be, the part of them) in question at any point in the connection year and to whether that premises (or that part of them) has a toilet, shower or canteen (or a combination of these).

The water usage set out in the Provision of Water and Sewerage Services (Reasonable Cost) (Scotland) Regulations 2015 is included in Appendix 2.



## Appendix 1 – Ucw & Ucs

The following is the formula for the variable “Ucw” described above and the 2021-22 calculation.

$$U_{cw} = \frac{C_{aw} + C_{vw}}{V_w} \quad \text{£0.9131} = \frac{\text{£13,151,506} + \text{£89,660,516}}{112,590,539 \text{ m}^3}$$

where—

“Caw” is the total of the meter-based annual (standing) charges that Scottish Water would have demanded from water services providers for or in connection with the supply of water to eligible premises (that were charged on a metered basis) in the reference year if those charges had instead been demanded in accordance with the corresponding current charge;

“Cvw” is the total of the volumetric (non-standing) charges that Scottish Water would have demanded from water services providers for or in connection with the supply of water to eligible premises (that were charged on a metered basis) in the reference year if those charges had instead been demanded in accordance with the corresponding current charge; and

“Vw” is the total volume of water (in cubic metres) supplied by Scottish Water to eligible premises (that were charged on a metered basis) in the reference year (pursuant to arrangements made by water services providers under section 6(1)(b) of the 2005 Act).

The following is the formula for the variable “Ucs” described above and the 2021-22 calculation.

$$U_{cs} = \frac{C_{as} + C_{vs}}{V_s} \quad \text{£1.043} = \frac{\text{£7,205,228} + \text{£47,202,191}}{52,176,115 \text{ m}^3}$$

where—

“Cas” is the total of the meter-based annual (standing) charges that Scottish Water would have demanded from waste water services providers for or in connection with the provision of waste water to, or the disposal of sewage from, eligible premises in the reference year if those charges had instead been demanded in accordance with the corresponding current charge;

“Cvs” is the total of the volumetric (non-standing) charges that Scottish Water would have demanded from waste water services providers for or in connection with the provision of waste water to, or the disposal of sewage from, eligible premises in the reference year if those charges had instead been demanded in accordance with the corresponding current charge; and

“Vs” is the total volume of sewage (in cubic metres) disposed of by Scottish Water from eligible premises in the reference year (pursuant to arrangements made by waste water services providers under section 6(3)(b) of the 2005 Act).



**Appendix 2 – Water Usage**

Maximum number of persons to be employed at the building (or the part of it) or, as the case may be, the premises (or the part of them) in question at any point in the connection year	Figure <sup>(1)</sup> for the building (or the part of it) or, as the case may be, the premises (or the part of them) in question with:			
	A toilet but no shower or canteen	A toilet and a shower but no canteen	A toilet and a canteen but no shower	A toilet, a shower and a canteen
0 - 20	56	79	113	135
21 - 50	197	276	394	473
51 - 100	422	591	844	1,013
101 - 200	844	1,181	1,688	2,025
201 - 300	1,406	1,969	2,813	3,375
301 - 400	1,969	2,756	3,938	4,725
401 - 500	2,531	3,544	5,063	6,075
501 - 750	3,516	4,922	7,031	8,438
751 - 1000	4,922	6,891	9,844	11,813
1001 - 1250	6,328	8,859	12,656	15,188
1251 - 1500	7,734 <sup>(2)</sup>	10,828 <sup>(2)</sup>	15,469 <sup>(2)</sup>	18,563 <sup>(2)</sup>

(1) The figures given are in cubic metres per annum.

(2) If the number of persons exceeds 1,500, the figure is this value plus the amount in the corresponding column below, plus the same amount for every 250 persons in excess of 1,501—

1,406	1,969	2,813	3,375
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For more information about Scottish Water and our services please call our Customer Helpline on **0800 0778 778**.