

Thames Water Utilities Limited (TWUL) Wholesale  
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# Indicative wholesale charges

2020/21

**For the supply of water and  
wastewater services**



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## Introduction to our Indicative Wholesale Charges

This booklet sets out the indicative wholesale non-household primary and special agreement wholesale charges for 2020-21.

Due to being in the period between the publication of Ofwat's draft and final PR19 determinations, there is significant uncertainty at this time around charges for 2020-21. As such, we have chosen to publish two sets of indicative wholesale charges.

The first, found in part A of this document, is based on the allowed revenues as set out in the Thames Water Draft Determination of the PR19 price review published by Ofwat on 18 July 2019.

The second, found in part B of this document, is based on the revenue requirements as set out in the representations that Thames Water made to Ofwat in response to the Draft Determination.

Following Ofwat's leakage investigation which concluded in August 2018, we have committed under section 19 of the Water Industry Act 1991 to provide a rebate to our water service customers in 2020-21. The percentage reduction applied to the wholesale water charges used to calculate 2020-21 bills varies according to which set of indicative wholesale charges are being used. This booklet therefore contains for each set of charges the tariffs we have set prior to the rebate being applied as well as the prices that will be used to calculate customer bills with the rebate included.

In the set of charges based on the Draft Determination allowed revenues, the leakage rebate equates to a reduction of around 5.8%. In the set of charges based on the Draft Determination response allowed revenues, the leakage rebate equates to a reduction of around 5.2%.

The two sets of charges published show a possible range within which we expect our final set of charges for 2020-21 to sit. They have been set based on the information available at this time and will be subject to the list of potential variations as set out below:

- the Final Determination for the PR19 price review due to be published by Ofwat on 11 December 2019;
- the actual CPIH released by the ONS on 18 December 2019;
- the final Thames Tideway Tunnel Infrastructure Provider charge released in mid/late December 2019; and
- updates to information in respect of underlying charging base movements.

Final wholesale tariffs will be published in the '2020-21 Wholesale Tariff Document', in January 2020.

# Part A – Indicative charges based on Draft Determination

## A.1 Introduction

This section sets out the indicative wholesale charges that are based on the allowed revenues as published by Ofwat on 18 July 2019 in the Draft Determination.

## A.2 Indicative metered water and wastewater charges

### A.2.1 Metered water and wastewater charges

Water charges are payable for all supply points which receive a water supply either directly or indirectly.

Wastewater charges are payable for all discharge points which are connected directly or indirectly to a public foul or surface water sewer or which have the benefit of these services and will include elements of foul water, surface water and highway drainage. If a site only has surface water drainage, rate-based wastewater charges are not payable. In this instance a fixed fee of £49.15 a year (comprising a highways drainage element of £21.23, a surface water drainage element of £27.92 and a foul drainage element of £0) for non-household premises will be levied. Note that Thames Water does not offer a concessionary surface water drainage charge to community groups.

For non-household premises that do not discharge surface water to our sewers, an abatement can be claimed based on pipe size. The charge payable is shown in Table A.2.2.

We will also consider reducing the wastewater charge where it can be proven that less than 90% of the water supplied is returned to the public wastewater system.

Non-household charges are levied as follows:

- Fixed charge for water services (charge varies by pipe size)
- Fixed charge (full or abated) for wastewater services (charge varies by pipe size)
- Variable charge for water services (based on metered usage and volumetric unit rate)
- Variable charge for wastewater services (based on metered usage and volumetric unit rate)
- Supplementary water annual charge for intermediate, large or super large user status
- Supplementary wastewater annual charge for large user status

**Table A.2.1 Fixed Charges per year – Water service**

Pipe size (mm)	Inches	Water	
		Tariff (Pre-rebate)	Charge (Post-rebate)
12/15	0.5	£0.00	<b>£0.00</b>
20/22	0.75	£0.00	<b>£0.00</b>
25/28	1.00	£0.00	<b>£0.00</b>
30/32/35	1.25	£0.00	<b>£0.00</b>
40/42	1.50	£0.00	<b>£0.00</b>
50/54	2.00	£0.00	<b>£0.00</b>
65	2.50	£0.00	<b>£0.00</b>
75/80	3.00	£0.00	<b>£0.00</b>
100	4.00	£0.00	<b>£0.00</b>
125	5.00	£0.00	<b>£0.00</b>
150	6.00	£0.00	<b>£0.00</b>
200	8.00	£0.00	<b>£0.00</b>
250	10.00	£0.00	<b>£0.00</b>
300	12.00	£0.00	<b>£0.00</b>

**Table A.2.2 Fixed Charges per year – Wastewater service**

Pipe size (mm)	Inches	Wastewater				
		Highways Drainage	Surface Water Drainage	Foul Drainage	Full	Abated*
12/15	0.5	£21.23	£27.92	£0.00	£49.15	£21.23
20/22	0.75	£48.02	£62.54	£0.00	£110.56	£48.02
25/28	1.00	£85.99	£111.68	£0.00	£197.67	£85.99
30/32/35	1.25	£134.01	£174.23	£0.00	£308.24	£134.01
40/42	1.50	£192.07	£251.29	£0.00	£443.36	£192.07
50/54	2.00	£341.73	£445.59	£0.00	£787.32	£341.73
65	2.50	£534.93	£696.86	£0.00	£1,231.79	£534.93
75/80	3.00	£769.47	£1,002.86	£0.00	£1,772.33	£769.47
100	4.00	£1,368.04	£1,783.50	£0.00	£3,151.54	£1,368.04
125	5.00	£2,137.52	£2,786.36	£0.00	£4,923.88	£2,137.52
150	6.00	£3,077.83	£4,012.58	£0.00	£7,090.41	£3,077.83
200	8.00	£5,472.21	£7,132.84	£0.00	£12,605.05	£5,472.21
250	10.00	£8,550.04	£11,144.30	£0.00	£19,694.34	£8,550.04
300	12.00	£12,312.45	£16,048.06	£0.00	£28,360.51	£12,312.45

\* Where a premises does not discharge surface water to our sewers, an abatement can be claimed based on pipe size.

## A.2.2 The volumetric charge

**Table A.2.3 Volumetric Charges (All rates in p/m<sup>3</sup>)**

Consumption (m <sup>3</sup> )	Volume Charge (p/m <sup>3</sup> )		
	Water service		Wastewater service*
	Tariff (Pre-rebate)	Charge (Post-rebate)	
<b>0 - 20,000</b>	126.28	<b>118.90</b>	<b>80.03</b>
<b>20,000 - 50,000</b>	115.55	<b>108.79</b>	<b>80.03</b>
<b>50,000 - 100,000</b>	94.71	<b>89.18</b>	<b>80.03</b>
<b>100,000 - 250,000</b>	94.71	<b>89.18</b>	<b>64.02</b>
<b>Over 250,000</b>	75.77	<b>71.34</b>	<b>64.02</b>

\* Note that volumetric wastewater service charges relate exclusively to foul drainage.



## A.2.3 Supplementary large user annual charge

**Table A.2.4 Supplementary large user annual charge**

Tariff		Consumption m <sup>3</sup>	Annual Charge	
Water	Intermediate volume user	20,000 - 50,000	Tariff (Pre-rebate)	£2,146.00
			<b>Charge (Post-rebate)</b>	<b>£2,022.00</b>
	Large volume user	50,000 - 250,000	Tariff (Pre-rebate)	£12,566.00
			<b>Charge (Post-rebate)</b>	<b>£11,827.00</b>
	Super large volume user	Over 250,000	Tariff (Pre-rebate)	£59,916.00
			<b>Charge (Post-rebate)</b>	<b>£56,427.00</b>
Wastewater	Large volume user*	Over 100,000		<b>£16,006.00</b>

\* Note that the supplementary large volume user charge for wastewater service relates exclusively to foul drainage.

## A.3 Indicative unmetered water and wastewater charges

### A.3.1 Unmetered water and wastewater charges

The wholesale water and wastewater services charge for a premises is calculated by applying a 'rate per pound' to the rateable value (RV) of the premises. There is a different rate for water and wastewater services, each expressed as pence per pound (of RV) and disclosed in Table A.3.1. In addition, a yearly 'fixed charge' is applied; disclosed in Table A.3.2 and Table A.3.3.

Water charges are payable for all premises which receive a water supply either directly or indirectly.

Wastewater charges are payable for all premises which are connected directly or indirectly to a public foul or surface water sewer or which have the benefit of these services and will include elements of foul water, surface water and highway drainage. If a site only has surface water drainage, rate-based wastewater charges are not payable. In this instance a fixed fee of £49.15 a year (comprising a highways drainage element of £21.23, a surface water drainage element of £27.92 and a foul drainage element of £0) for non-household premises will be levied. Note that Thames Water does not offer a concessionary surface water drainage charge to community groups.

For non-household premises that do not discharge surface water to our sewers, an abatement can be claimed based on pipe size. The charge payable is shown in Table A.3.3.

Non-household premises are subject to the following charges:

- Fixed charge for water services (charge varies by pipe size)
- Fixed charge (full or abated) for wastewater services (charge varies by pipe size)
- Variable charge for water services (based on RV of premises and local authority area)
- Variable charge for wastewater services (based on RV of premises and local authority area)

Rate per Pound for Water and Wastewater Services

**Table A.3.1 Unmetered charges pence per pound of rateable value**

Charge Area	Local Authority Areas	Water Pence		Wastewater* Pence
		Tariff (Pre-rebate)	Charge (Post-rebate)	
1	Kensington & Chelsea London, City of Westminster	42.40	<b>39.92</b>	<b>27.93</b>
2	Barking & Dagenham Brent Camden Hackney Hammersmith & Fulham Islington Newham Redbridge Tower Hamlets Waltham Forest	75.13	<b>70.73</b>	<b>51.04</b>
	Havering	N/A	<b>N/A</b>	
3	Bexley Bromley Croydon Dartford Epsom & Ewell Gravesham Greenwich Kingston Lambeth Lewisham Merton Richmond Sevenoaks Southwark Sutton Tandridge Wandsworth	84.48	<b>79.54</b>	<b>55.36</b>
	Tonbridge & Maling	N/A	<b>N/A</b>	

\* Note that rateable value wastewater service charges relate exclusively to foul drainage.

Charge Area	Local Authority Areas	Water Pence		Wastewater* Pence
		Tariff (Pre-rebate)	Charge (Post-rebate)	
4	Barnet Broxbourne East Hertfordshire Enfield Epping Forest Haringey Welwyn Hatfield	83.07	78.21	54.84
	Brentwood Harlow Luton North Hertfordshire Stevenage Uttlesford	N/A	N/A	
5	Chiltern Dacorum Ealing Hounslow Slough South Buckinghamshire Spelthorne Wycombe	79.10	74.48	52.27
	Harrow Hertsmere Hillingdon St. Albans South Bedfordshire Three Rivers Watford	N/A	N/A	

\* Note that rateable value wastewater service charges relate exclusively to foul drainage.

Charge Area	Local Authority Areas	Water Pence		Wastewater* Pence
		Tariff (Pre-rebate)	Charge (Post-rebate)	
6	Basingstoke & Deane Chichester Elmbridge Guildford Hart Horsham Kennet Mole Valley Newbury Reading Reigate & Banstead Waverley Windsor & Maidenhead Wokingham	86.26	81.21	57.56
	Bracknell Crawley East Hampshire Mid Sussex Runnymede Rushmoor Surrey Heath Winchester Woking	N/A	N/A	
7	Aylesbury Vale Cherwell Cotswold North Wiltshire Oxford South Oxfordshire Swindon Vale of White Horse West Oxfordshire	101.33	95.40	67.39
	Daventry South Northamptonshire Stratford Tewkesbury	N/A	N/A	

\* Note that rateable value wastewater service charges relate exclusively to foul drainage.

## A.3.2 Fixed charges

**Table A.3.2 Fixed Charges – unmetered per year – water service**

Pipe size (mm)	Inches	Water	
		Tariff (Pre-rebate)	Charge (Post-rebate)
12/15	0.5	£14.13	<b>£13.30</b>
20/22	0.75	£14.13	<b>£13.30</b>
25/28	1.00	£14.13	<b>£13.30</b>
30/32/35	1.25	£14.13	<b>£13.30</b>
40/42	1.50	£14.13	<b>£13.30</b>
50/54	2.00	£14.13	<b>£13.30</b>
65	2.50	£14.13	<b>£13.30</b>
75/80	3.00	£14.13	<b>£13.30</b>
100	4.00	£14.13	<b>£13.30</b>

**Table A.3.3 Fixed Charges – unmetered per year – wastewater service**

Pipe size (mm)	Inches	Wastewater				
		Highways drainage	Surface water drainage	Foul drainage	Full	Abated*
12/15	0.5	£21.23	£27.92	£0.00	<b>£49.15</b>	<b>£21.23</b>
20/22	0.75	£48.02	£62.54	£0.00	<b>£110.56</b>	<b>£48.02</b>
25/28	1.00	£85.99	£111.68	£0.00	<b>£197.67</b>	<b>£85.99</b>
30/32/35	1.25	£134.01	£174.23	£0.00	<b>£308.24</b>	<b>£134.01</b>
40/42	1.50	£192.07	£251.29	£0.00	<b>£443.36</b>	<b>£192.07</b>
50/54	2.00	£341.73	£445.59	£0.00	<b>£787.32</b>	<b>£341.73</b>
65	2.50	£534.93	£696.86	£0.00	<b>£1,231.79</b>	<b>£534.93</b>
75/80	3.00	£769.47	£1,002.86	£0.00	<b>£1,772.33</b>	<b>£769.47</b>
100	4.00	£1,368.04	£1,783.50	£0.00	<b>£3,151.54</b>	<b>£1,368.04</b>

\* Where a non-household premises does not discharge surface water to our sewers, an abatement can be claimed based on pipe size.

### A.3.3 Business assessed

Where it is impractical to meter non-household premises we may assess water usage. In this circumstance we will request information about the type of business, the industrial category of the business (SIC code) and how many people work at the site. Using this information we will allocate the premises to one of the five bands of assessed charges as shown below. The assessed usage for the premises will be calculated by multiplying the number of full-time employees (or equivalent) by the assessed usage per employee (band 1-5) shown in the table below.

The volumetric charge to the premises is calculated by multiplying the assessed usage by the volumetric tariff. A business assessed fixed charge is payable in addition based on pipe size.

If circumstances change i.e. regarding the industrial category of the business (SIC code) or the number of people who work at the site the updated information should be notified to the Market Operator using the appropriate market forms.

**Table A.3.4 Business Assessed bands**

Band	Assessed Usage per FT Employee (or equivalent)
1	15 m <sup>3</sup> per year
2	50 m <sup>3</sup> per year
3	100 m <sup>3</sup> per year
4	200 m <sup>3</sup> per year
5	By inspection

**Table A.3.5 Business Assessed volumetric charges**

Assessed Usage (m <sup>3</sup> per year)	Volume Charge		
	Water		Wastewater*
	Tariff (Pre-rebate)	Charge (Post-rebate)	
0 – 20,000	126.28 pence per m <sup>3</sup>	118.90 pence per m <sup>3</sup>	80.03 pence per m <sup>3</sup>

\* Note that volumetric wastewater service charges relate exclusively to foul drainage.

**Table A.3.6 Business Assessed fixed charges per year – water service**

Assessed pipe size (mm)	Inches	Water	
		Tariff (Pre-rebate)	Charge (Post-rebate)
12/15	0.5	£0.00	<b>£0.00</b>
20/22	0.75	£0.00	<b>£0.00</b>
25/28	1.00	£0.00	<b>£0.00</b>
30/32/35	1.25	£0.00	<b>£0.00</b>
40/42	1.50	£0.00	<b>£0.00</b>
50/54	2.00	£0.00	<b>£0.00</b>
65	2.50	£0.00	<b>£0.00</b>
75/80	3.00	£0.00	<b>£0.00</b>
100	4.00	£0.00	<b>£0.00</b>

**Table A.3.7 Business Assessed fixed charges per year – wastewater service**

Assessed pipe size (mm)	Inches	Wastewater				
		Highways drainage	Surface water drainage	Foul drainage	Full	Abated*
12/15	0.5	£21.23	£27.92	£0.00	<b>£49.15</b>	<b>£21.23</b>
20/22	0.75	£48.02	£62.54	£0.00	<b>£110.56</b>	<b>£48.02</b>
25/28	1.00	£85.99	£111.68	£0.00	<b>£197.67</b>	<b>£85.99</b>
30/32/35	1.25	£134.01	£174.23	£0.00	<b>£308.24</b>	<b>£134.01</b>
40/42	1.50	£192.07	£251.29	£0.00	<b>£443.36</b>	<b>£192.07</b>
50/54	2.00	£341.73	£445.59	£0.00	<b>£787.32</b>	<b>£341.73</b>
65	2.50	£534.93	£696.86	£0.00	<b>£1,231.79</b>	<b>£534.93</b>
75/80	3.00	£769.47	£1,002.86	£0.00	<b>£1,772.33</b>	<b>£769.47</b>
100	4.00	£1,368.04	£1,783.50	£0.00	<b>£3,151.54</b>	<b>£1,368.04</b>

\*Where a non-household premises does not discharge surface water to our sewers, an abatement can be claimed based on pipe size.



Business Assessed premises are charged as follows:

- Fixed charge for water services (charge varies by pipe size)
- Fixed charge (full or abated) for wastewater services (charge varies by pipe size)
- Variable charge for water services (based on assessed usage and volumetric unit rate)
- Variable charge for wastewater services (based on assessed usage and volumetric unit rate)

### A.3.4 Related seasonal and other non-household charges

Where an unmetered supply only serves a domestic garage, car space or store area, a fixed annual charge for each unit will apply. Where there is no water supply, but surface water drains to our sewer, only the wastewater fixed charge is payable.

**Table A.3.8 Domestic garages, car spaces & stores – unmetered fixed charge per year**

Domestic garages, car spaces and stores	Annual Charge	
<b>Water fixed charge per garage, car space or store</b>	Tariff (Pre-rebate)	£8.69 per garage
	<b>Charge (Post-rebate)</b>	<b>£8.18 per garage</b>
<b>Wastewater fixed charge per garage, car space or store</b>	<i>Highways drainage</i>	<i>£0.00 per garage</i>
	<i>Surface water drainage</i>	<i>£6.57 per garage</i>
	<i>Foul drainage</i>	<i>£0.00 per garage</i>
	<b>Charge</b>	<b>£6.57 per garage</b>

**Table A.3.9 Seasonal and other non-household charges**

Seasonal and other non-household charges	Annual Charge	
<b>Allotment tank and water/washdown point (per tank/point)</b>	Tariff (Pre-rebate)	£22.03 per year
	<b>Charge (Post-rebate)</b>	<b>£20.74 per year</b>
<b>Sprinkler, cricket pitches, tennis courts, ornamental pond/fountain and disced supplies</b>	Tariff (Pre-rebate)	£69.78 per year
	<b>Charge (Post-rebate)</b>	<b>£65.70 per year</b>
<b>Minimum charge for meter minimum equivalents</b>	Tariff (Pre-rebate)	£298.55 per year
	<b>Charge (Post-rebate)</b>	<b>£281.08 per year</b>

## A.4 Indicative trade effluent charges

### A.4.1 Trade effluent charges

Trade effluent charges apply for the treatment and disposal of effluent from trade discharges into the public sewer system.

Where a discharge is a mixture of trade effluent and domestic sewage, we will determine how much of each is discharged and apply charges as appropriate.

Trade Effluent charges are levied as follows:

- Variable charge for reception (based on metered usage and volumetric unit rate)
- Variable charge for primary treatment (based on metered usage and volumetric unit rate)
- Variable charge for biological treatment (based on volume, sample strength and unit rate)
- Variable charge for solids treatment (based on volume, sample strength and unit rate)
- Variable charge for ammonia treatment (based on volume, sample strength and unit rate)
- Fixed charge for trade effluent services (charge varies by consumption band)
- Supplementary trade effluent annual charge for large user status

In addition a fixed charge and volume charge for wastewater services as detailed in Section A.2 are also payable.

Volume charges for trade effluent are calculated by applying the following standard charges to the trade effluent formula shown in the charges scheme.

**Table A.4.1 Standard volume charge per cubic metre or kg of trade effluent**

Description	Charge
<b>Reception and Conveyance (R)</b>	13.32 pence per m <sup>3</sup>
<b>Primary Treatment (V)</b>	15.57 pence per m <sup>3</sup>
<b>Biological treatment (B)</b>	44.86 pence per kg
<b>Solids treatment (S)</b>	56.88 pence per kg

**Table A.4.2 Average strength factors used in trade effluent formula**

Mogden formula element	Element symbol	Average strength
Chemical oxygen demand	-Os	445mg/l
Settleable solids	-Ss	336mg/l

**Table A.4.3 Standard strength discharges (mg/l)**

Standard strength premises	Value for Ot	Value for St
Launderettes	576	58
Car Washes	88	62
Dry Cleaners	30	7
Commercial swimming pools	120	108
Small / micro-brewery	1,730	88
Concrete contaminated sites (batching plants, wheel washes on construction sites)	116	58
Laboratory glassware washing	308	34
Bus wash	621	92
Train wash	594	71
Contaminated surface water at waste transfer sites	638	81
Gasholder runoff	20	11

Standard strength discharges, shown in the table above, will be applied for charging purposes unless we determine that it is not a suitable basis of charge in specific circumstances or if the customer requests charging to be based on sample results.

**Table A.4.4 Other trade effluent charges**

Description	Charge
Minimum charge per annum or duration of consent, whichever is the shorter	£119.27
Ammoniacal nitrogen treatment charge per mg in excess of 35mg/l expressed as a fraction of 35	2.41 pence per m <sup>3</sup>

## A.4.2 Large volume trade effluent user tariff

If the annual bill is more than £89,997 at any one site (or sites qualifying for aggregation), the charge will be based on our large user trade effluent tariff. This includes an annual charge of £17,999.42 in addition to the volumetric charges set out in table A.4.5.

**Table A.4.5 Large user volume charge per cubic meter or kg of trade effluent**

Description	Charge
Reception and Conveyance (R)	10.83 pence per m <sup>3</sup>
Primary treatment (V)	12.50 pence per m <sup>3</sup>
Biological treatment (B)	35.97 pence per kg
Solids treatment (S)	45.61 pence per kg

**Table A.4.6 Trade Effluent Fixed Charges**

Discharge Volume (m <sup>3</sup> per annum)	Fixed Charge	Minimum Charge
0 - 500	-£15.00	£119.27
500 – 1,000	-£2.00	N/A
1,000 – 5,000	-£60.00	N/A
5,000 – 20,000	£0.00	N/A

## A.5 Indicative special agreement charges

A small number of non-household premises are charged according to special agreements as listed below. The special agreement reference is as published in our Special Agreement Register (2016-17).

### A.5.1 Wastewater special agreements

Premises which receive wastewater charges under a special agreement are charged as follows:

**Table A.5.1 Charges for special agreement wastewater supplies**

Special Agreement reference	<i>Highways drainage</i>	<i>Surface water drainage</i>	<i>Foul drainage</i>	Charge
	Volume Charge - Wastewater (p/m <sup>3</sup> )			
<b>TMSSEW1</b>	<i>0.00</i>	<i>0.00</i>	<i>50.86</i>	50.86
<b>TMSSEW2</b>	<i>0.00</i>	<i>0.00</i>	<i>52.83</i>	52.83
Fixed charge per year				
<b>TMSSEW1</b>	<i>£3,077.83</i>	<i>£0.00</i>	<i>£0.00</i>	£3,077.83
<b>TMSSEW2</b>	<i>£3,077.83</i>	<i>£0.00</i>	<i>£0.00</i>	£3,077.83
Supplementary Large User Annual Charge				
<b>TMSSEW1</b>	<i>£0.00</i>	<i>£0.00</i>	<i>£16,006.00</i>	£16,006.00
<b>TMSSEW2</b>	<i>£0.00</i>	<i>£0.00</i>	<i>£16,006.00</i>	£16,006.00

## A.5.2 Trade effluent special agreements

Premises which receive Trade Effluent charges made under a special agreement are charged as follows:

**Table A.5.2 Charges for special agreement Trade Effluent supplies**

Special Agreement reference	Unit rates are in p/m <sup>3</sup>		Unit rates are in p/kg		Annual Charge
	Reception & Conveyance (R)	Primary Treatment (V)	Biological Treatment (B)	Solids Treatment (S)	Fixed charge
<b>TMSTE1</b>	n/a	13.23	44.86	56.88	n/a
<b>TMSTE3</b>	13.32	15.57	44.86	56.88	£313,523.00
<b>TMSTE4</b>	5.00	7.63	21.98	27.87	£0.00
<b>TMSTE5</b>	13.32	n/a	n/a	n/a	n/a
<b>TMSTE8</b>	n/a	13.82	44.86	56.88	£5,000.00
<b>TMSTE9</b>	n/a	12.50	35.97	45.61	£17,999.42

Where required, charges for Ammoniacal Nitrogen Treatment per mg in excess of 35mg/l expressed as a fraction of 35 are also applied at a rate of 2.41 pence per m<sup>3</sup>.

The special agreement reference is as published in our Special Agreement Register (2016-17).

## Part B – Indicative charges based on DD response

### B.1 Introduction

This section sets out the indicative wholesale charges that are based on the revenue requirements included in Thames Water's response to the Draft Determination.

### B.2 Indicative metered water and wastewater charges

#### B.2.1 Metered water and wastewater charges

Water charges are payable for all supply points which receive a water supply either directly or indirectly.

Wastewater charges are payable for all discharge points which are connected directly or indirectly to a public foul or surface water sewer or which have the benefit of these services and will include elements of foul water, surface water and highway drainage. If a site only has surface water drainage, rate-based wastewater charges are not payable. In this instance a fixed fee of £44.04 a year (comprising a highways drainage element of £13.64, a surface water drainage element of £30.40 and a foul drainage element of £0) for non-household premises will be levied. Note that Thames Water does not offer a concessionary surface water drainage charge to community groups.

For non-household premises that do not discharge surface water to our sewers, an abatement can be claimed based on pipe size. The charge payable is shown in Table B.2.2.

We will also consider reducing the wastewater charge where it can be proven that less than 90% of the water supplied is returned to the public wastewater system.

Non-household charges are levied as follows:

- Fixed charge for water services (charge varies by pipe size)
- Fixed charge (full or abated) for wastewater services (charge varies by pipe size)
- Variable charge for water services (based on metered usage and volumetric unit rate)
- Variable charge for wastewater services (based on metered usage and volumetric unit rate)
- Supplementary water annual charge for intermediate, large or super large user status
- Supplementary wastewater annual charge for large user status



**Table B.2.1 Fixed Charges per year – Water service**

Pipe size (mm)	Inches	Water	
		Tariff (Pre-rebate)	Charge (Post-rebate)
12/15	0.5	£0.00	<b>£0.00</b>
20/22	0.75	£0.00	<b>£0.00</b>
25/28	1.00	£0.00	<b>£0.00</b>
30/32/35	1.25	£0.00	<b>£0.00</b>
40/42	1.50	£0.00	<b>£0.00</b>
50/54	2.00	£0.00	<b>£0.00</b>
65	2.50	£0.00	<b>£0.00</b>
75/80	3.00	£0.00	<b>£0.00</b>
100	4.00	£0.00	<b>£0.00</b>
125	5.00	£0.00	<b>£0.00</b>
150	6.00	£0.00	<b>£0.00</b>
200	8.00	£0.00	<b>£0.00</b>
250	10.00	£0.00	<b>£0.00</b>
300	12.00	£0.00	<b>£0.00</b>

**Table B.2.2 Fixed Charges per year – Wastewater service**

Pipe size (mm)	Inches	Wastewater				
		Highways Drainage	Surface Water Drainage	Foul Drainage	Full	Abated*
12/15	0.5	£13.64	£30.40	£0.00	£44.04	£13.64
20/22	0.75	£52.29	£68.10	£0.00	£120.39	£52.29
25/28	1.00	£93.64	£121.62	£0.00	£215.26	£93.64
30/32/35	1.25	£145.94	£189.72	£0.00	£335.66	£145.94
40/42	1.50	£209.16	£273.64	£0.00	£482.80	£209.16
50/54	2.00	£372.13	£485.22	£0.00	£857.35	£372.13
65	2.50	£582.52	£758.86	£0.00	£1,341.38	£582.52
75/80	3.00	£837.92	£1,092.07	£0.00	£1,929.99	£837.92
100	4.00	£1,489.74	£1,942.15	£0.00	£3,431.89	£1,489.74
125	5.00	£2,327.67	£3,034.23	£0.00	£5,361.90	£2,327.67
150	6.00	£3,351.62	£4,369.53	£0.00	£7,721.15	£3,351.62
200	8.00	£5,959.01	£7,767.37	£0.00	£13,726.38	£5,959.01
250	10.00	£9,310.64	£12,135.69	£0.00	£21,446.33	£9,310.64
300	12.00	£13,407.75	£17,475.67	£0.00	£30,883.42	£13,407.75

\* Where a premises does not discharge surface water to our sewers, an abatement can be claimed based on pipe size.

## B.2.2 The volumetric charge

**Table B.2.3 Volumetric Charges (All rates in p/m<sup>3</sup>)**

Consumption (m <sup>3</sup> )	Volume Charge (p/m <sup>3</sup> )		
	Water service		Wastewater service*
	Tariff (Pre-rebate)	Charge (Post-rebate)	
<b>0 - 20,000</b>	140.82	<b>133.48</b>	<b>91.04</b>
<b>20,000 - 50,000</b>	128.85	<b>122.13</b>	<b>91.04</b>
<b>50,000 - 100,000</b>	105.62	<b>100.11</b>	<b>91.04</b>
<b>100,000 - 250,000</b>	105.62	<b>100.11</b>	<b>72.83</b>
<b>Over 250,000</b>	84.49	<b>80.09</b>	<b>72.83</b>

\* Note that volumetric wastewater service charges relate exclusively to foul drainage.

## B.2.3 Supplementary large user annual charge

**Table B.2.4 Supplementary large user annual charge**

Tariff		Consumption m <sup>3</sup>	Annual Charge	
Water	Intermediate volume user	20,000 - 50,000	Tariff (Pre-rebate)	£2,394.00
			<b>Charge (Post-rebate)</b>	<b>£2,270.00</b>
	Large volume user	50,000 - 250,000	Tariff (Pre-rebate)	£14,009.00
			<b>Charge (Post-rebate)</b>	<b>£13,280.00</b>
	Super large volume user	Over 250,000	Tariff (Pre-rebate)	£66,834.00
			<b>Charge (Post-rebate)</b>	<b>£63,330.00</b>
Wastewater	Large volume user*	Over 100,000		<b>£18,208.00</b>

\* Note that the supplementary large volume user charge for wastewater service relates exclusively to foul drainage.

## B.3 Indicative unmetered water and wastewater charges

### B.3.1 Unmetered water and wastewater charges

The wholesale water and wastewater services charge for a premises is calculated by applying a 'rate per pound' to the rateable value (RV) of the premises. There is a different rate for water and wastewater services, each expressed as pence per pound (of RV) and disclosed in Table B.3.1. In addition, a yearly 'fixed charge' is applied; disclosed in Table B.3.2 and Table B.3.3.

Water charges are payable for all premises which receive a water supply either directly or indirectly.

Wastewater charges are payable for all premises which are connected directly or indirectly to a public foul or surface water sewer or which have the benefit of these services and will include elements of foul water, surface water and highway drainage. If a site only has surface water drainage, rate-based wastewater charges are not payable. In this instance a fixed fee of £44.04 a year (comprising a highways drainage element of £13.64, a surface water drainage element of £30.40 and a foul drainage element of £0) for non-household premises will be levied. Note that Thames Water does not offer a concessionary surface water drainage charge to community groups.

For non-household premises that do not discharge surface water to our sewers, an abatement can be claimed based on pipe size. The charge payable is shown in Table B.3.3.

Non-household premises are subject to the following charges:

- Fixed charge for water services (charge varies by pipe size)
- Fixed charge (full or abated) for wastewater services (charge varies by pipe size)
- Variable charge for water services (based on RV of premises and local authority area)
- Variable charge for wastewater services (based on RV of premises and local authority area)

Rate per Pound for Water and Wastewater Services

**Table B.3.1 Unmetered charges pence per pound of rateable value**

Charge Area	Local Authority Areas	Water Pence		Wastewater* Pence
		Tariff (Pre-rebate)	Charge (Post-rebate)	
1	Kensington & Chelsea London, City of Westminster	67.55	<b>64.03</b>	<b>38.60</b>
2	Barking & Dagenham Brent Camden Hackney Hammersmith & Fulham Islington Newham Redbridge Tower Hamlets Waltham Forest	80.97	<b>76.75</b>	<b>56.58</b>
	Havering	N/A	<b>N/A</b>	
3	Bexley Bromley Croydon Dartford Epsom & Ewell Gravesham Greenwich Kingston Lambeth Lewisham Merton Richmond Sevenoaks Southwark Sutton Tandridge Wandsworth	90.20	<b>85.50</b>	<b>61.39</b>
	Tonbridge & Maling	N/A	<b>N/A</b>	

\* Note that rateable value wastewater service charges relate exclusively to foul drainage.

Charge Area	Local Authority Areas	Water Pence		Wastewater* Pence
		Tariff (Pre-rebate)	Charge (Post-rebate)	
4	Barnet Broxbourne East Hertfordshire Enfield Epping Forest Haringey Welwyn Hatfield	88.38	<b>83.77</b>	60.53
	Brentwood Harlow Luton North Hertfordshire Stevenage Uttlesford	N/A	<b>N/A</b>	
5	Chiltern Dacorum Ealing Hounslow Slough South Buckinghamshire Spelthorne Wycombe	89.96	<b>85.27</b>	62.74
	Harrow Hertsmere Hillingdon St. Albans South Bedfordshire Three Rivers Watford	N/A	<b>N/A</b>	

\* Note that rateable value wastewater service charges relate exclusively to foul drainage.

Charge Area	Local Authority Areas	Water Pence		Wastewater* Pence
		Tariff (Pre-rebate)	Charge (Post-rebate)	
6	Basingstoke & Deane Chichester Elmbridge Guildford Hart Horsham Kennet Mole Valley Newbury Reading Reigate & Banstead Waverley Windsor & Maidenhead Wokingham	104.03	<b>98.60</b>	74.17
	Bracknell Crawley East Hampshire Mid Sussex Runnymede Rushmoor Surrey Heath Winchester Woking	N/A	<b>N/A</b>	
7	Aylesbury Vale Cherwell Cotswold North Wiltshire Oxford South Oxfordshire Swindon Vale of White Horse West Oxfordshire	123.93	<b>117.46</b>	86.69
	Daventry South Northamptonshire Stratford Tewkesbury	N/A	<b>N/A</b>	

\* Note that rateable value wastewater service charges relate exclusively to foul drainage.



## B.3.2 Fixed charges

**Table B.3.2 Fixed Charges – unmetered per year – water service**

Pipe size (mm)	Inches	Water	
		Tariff (Pre-rebate)	Charge (Post-rebate)
12/15	0.5	£17.42	<b>£16.51</b>
20/22	0.75	£17.42	<b>£16.51</b>
25/28	1.00	£17.42	<b>£16.51</b>
30/32/35	1.25	£17.42	<b>£16.51</b>
40/42	1.50	£17.42	<b>£16.51</b>
50/54	2.00	£17.42	<b>£16.51</b>
65	2.50	£17.42	<b>£16.51</b>
75/80	3.00	£17.42	<b>£16.51</b>
100	4.00	£17.42	<b>£16.51</b>

**Table B.3.3 Fixed Charges – unmetered per year – wastewater service**

Pipe size (mm)	Inches	Wastewater				
		Highways drainage	Surface water drainage	Foul drainage	Full	Abated*
12/15	0.5	£13.64	£30.40	£0.00	<b>£44.04</b>	<b>£13.64</b>
20/22	0.75	£52.29	£68.10	£0.00	<b>£120.39</b>	<b>£52.29</b>
25/28	1.00	£93.64	£121.62	£0.00	<b>£215.26</b>	<b>£93.64</b>
30/32/35	1.25	£145.94	£189.72	£0.00	<b>£335.66</b>	<b>£145.94</b>
40/42	1.50	£209.16	£273.64	£0.00	<b>£482.80</b>	<b>£209.16</b>
50/54	2.00	£372.13	£485.22	£0.00	<b>£857.35</b>	<b>£372.13</b>
65	2.50	£582.52	£758.86	£0.00	<b>£1,341.38</b>	<b>£582.52</b>
75/80	3.00	£837.92	£1,092.07	£0.00	<b>£1,929.99</b>	<b>£837.92</b>
100	4.00	£1,489.74	£1,942.15	£0.00	<b>£3,431.89</b>	<b>£1,489.74</b>

\* Where a non-household premises does not discharge surface water to our sewers, an abatement can be claimed based on pipe size.

### B.3.3 Business assessed

Where it is impractical to meter non-household premises we may assess water usage. In this circumstance we will request information about the type of business, the industrial category of the business (SIC code) and how many people work at the site. Using this information we will allocate the premises to one of the five bands of assessed charges as shown below. The assessed usage for the premises will be calculated by multiplying the number of full-time employees (or equivalent) by the assessed usage per employee (band 1-5) shown in the table below.

The volumetric charge to the premises is calculated by multiplying the assessed usage by the volumetric tariff. A business assessed fixed charge is payable in addition based on pipe size.

If circumstances change i.e. regarding the industrial category of the business (SIC code) or the number of people who work at the site the updated information should be notified to the Market Operator using the appropriate market forms.

**Table B.3.4 Business Assessed bands**

Band	Assessed Usage per FT Employee (or equivalent)
1	15 m <sup>3</sup> per year
2	50 m <sup>3</sup> per year
3	100 m <sup>3</sup> per year
4	200 m <sup>3</sup> per year
5	By inspection

**Table B.3.5 Business Assessed volumetric charges**

Assessed Usage (m <sup>3</sup> per year)	Volume Charge		
	Water		Wastewater*
	Tariff (Pre-rebate)	Charge (Post-rebate)	
0 – 20,000	140.82 pence per m <sup>3</sup>	133.48 pence per m <sup>3</sup>	91.04 pence per m <sup>3</sup>

\* Note that volumetric wastewater service charges relate exclusively to foul drainage.

**Table B.3.6 Business Assessed fixed charges per year – water service**

Assessed pipe size (mm)	Inches	Water	
		Tariff (Pre-rebate)	Charge (Post-rebate)
12/15	0.5	£0.00	<b>£0.00</b>
20/22	0.75	£0.00	<b>£0.00</b>
25/28	1.00	£0.00	<b>£0.00</b>
30/32/35	1.25	£0.00	<b>£0.00</b>
40/42	1.50	£0.00	<b>£0.00</b>
50/54	2.00	£0.00	<b>£0.00</b>
65	2.50	£0.00	<b>£0.00</b>
75/80	3.00	£0.00	<b>£0.00</b>
100	4.00	£0.00	<b>£0.00</b>

**Table B.3.7 Business Assessed fixed charges per year – wastewater service**

Assessed pipe size (mm)	Inches	Wastewater				
		Highways drainage	Surface water drainage	Foul drainage	Full	Abated*
12/15	0.5	£13.64	£30.40	£0.00	<b>£44.04</b>	<b>£13.64</b>
20/22	0.75	£52.29	£68.10	£0.00	<b>£120.39</b>	<b>£52.29</b>
25/28	1.00	£93.64	£121.62	£0.00	<b>£215.26</b>	<b>£93.64</b>
30/32/35	1.25	£145.94	£189.72	£0.00	<b>£335.66</b>	<b>£145.94</b>
40/42	1.50	£209.16	£273.64	£0.00	<b>£482.80</b>	<b>£209.16</b>
50/54	2.00	£372.13	£485.22	£0.00	<b>£857.35</b>	<b>£372.13</b>
65	2.50	£582.52	£758.86	£0.00	<b>£1,341.38</b>	<b>£582.52</b>
75/80	3.00	£837.92	£1,092.07	£0.00	<b>£1,929.99</b>	<b>£837.92</b>
100	4.00	£1,489.74	£1,942.15	£0.00	<b>£3,431.89</b>	<b>£1,489.74</b>

\*Where a non-household premises does not discharge surface water to our sewers, an abatement can be claimed based on pipe size.

Business Assessed premises are charged as follows:

- Fixed charge for water services (charge varies by pipe size)
- Fixed charge (full or abated) for wastewater services (charge varies by pipe size)
- Variable charge for water services (based on assessed usage and volumetric unit rate)
- Variable charge for wastewater services (based on assessed usage and volumetric unit rate)

### B.3.4 Related seasonal and other non-household charges

Where an unmetered supply only serves a domestic garage, car space or store area, a fixed annual charge for each unit will apply. Where there is no water supply, but surface water drains to our sewer, only the wastewater fixed charge is payable.

**Table B.3.8 Domestic garages, car spaces & stores – unmetered fixed charge per year**

Domestic garages, car spaces and stores	Annual Charge	
<b>Water fixed charge per garage, car space or store</b>	Tariff (Pre-rebate)	£10.72 per garage
	<b>Charge (Post-rebate)</b>	<b>£10.16 per garage</b>
<b>Wastewater fixed charge per garage, car space or store</b>	<i>Highways drainage</i>	<i>£0.00 per garage</i>
	<i>Surface water drainage</i>	<i>£7.51 per garage</i>
	<i>Foul drainage</i>	<i>£0.00 per garage</i>
	<b>Charge</b>	<b>£7.51 per garage</b>

**Table B.3.9 Seasonal and other non-household charges**

Seasonal and other non-household charges	Annual Charge	
<b>Allotment tank and water/washdown point (per tank/point)</b>	Tariff (Pre-rebate)	£27.17 per year
	<b>Charge (Post-rebate)</b>	<b>£25.75 per year</b>
<b>Sprinkler, cricket pitches, tennis courts, ornamental pond/fountain and disced supplies</b>	Tariff (Pre-rebate)	£86.05 per year
	<b>Charge (Post-rebate)</b>	<b>£81.56 per year</b>
<b>Minimum charge for meter minimum equivalents</b>	Tariff (Pre-rebate)	£368.16 per year
	<b>Charge (Post-rebate)</b>	<b>£348.96 per year</b>

## B.4 Indicative trade effluent charges

### B.4.1 Trade effluent charges

Trade effluent charges apply for the treatment and disposal of effluent from trade discharges into the public sewer system.

Where a discharge is a mixture of trade effluent and domestic sewage, we will determine how much of each is discharged and apply charges as appropriate.

Trade Effluent charges are levied as follows:

- Variable charge for reception (based on metered usage and volumetric unit rate)
- Variable charge for primary treatment (based on metered usage and volumetric unit rate)
- Variable charge for biological treatment (based on volume, sample strength and unit rate)
- Variable charge for solids treatment (based on volume, sample strength and unit rate)
- Variable charge for ammonia treatment (based on volume, sample strength and unit rate)
- Fixed charge for trade effluent services (charge varies by consumption band)
- Supplementary trade effluent annual charge for large user status

In addition a fixed charge and volume charge for wastewater services as detailed in Section B.2 are also payable.

Volume charges for trade effluent are calculated by applying the following standard charges to the trade effluent formula shown in the charges scheme.

**Table B.4.1 Standard volume charge per cubic metre or kg of trade effluent**

Description	Charge
<b>Reception and Conveyance (R)</b>	15.15 pence per m <sup>3</sup>
<b>Primary Treatment (V)</b>	17.71 pence per m <sup>3</sup>
<b>Biological treatment (B)</b>	51.03 pence per kg
<b>Solids treatment (S)</b>	64.70 pence per kg

**Table B.4.2 Average strength factors used in trade effluent formula**

Mogden formula element	Element symbol	Average strength
Chemical oxygen demand	-Os	445mg/l
Settleable solids	-Ss	336mg/l

**Table B.4.3 Standard strength discharges (mg/l)**

Standard strength premises	Value for Ot	Value for St
Launderettes	576	58
Car Washes	88	62
Dry Cleaners	30	7
Commercial swimming pools	120	108
Small / micro-brewery	1,730	88
Concrete contaminated sites (batching plants, wheel washes on construction sites)	116	58
Laboratory glassware washing	308	34
Bus wash	621	92
Train wash	594	71
Contaminated surface water at waste transfer sites	638	81
Gasholder runoff	20	11

Standard strength discharges, shown in the table above, will be applied for charging purposes unless we determine that it is not a suitable basis of charge in specific circumstances or if the customer requests charging to be based on sample results.

**Table B.4.4 Other trade effluent charges**

Description	Charge
Minimum charge per annum or duration of consent, whichever is the shorter	£135.67
Ammoniacal nitrogen treatment charge per mg in excess of 35mg/l expressed as a fraction of 35	2.74 pence per m <sup>3</sup>

## B.4.2 Large volume trade effluent user tariff

If the annual bill is more than £102,372 at any one site (or sites qualifying for aggregation), the charge will be based on our large user trade effluent tariff. This includes an annual charge of £20,474.36 in addition to the volumetric charges set out in table B.4.5.

**Table B.4.5 Large user volume charge per cubic meter or kg of trade effluent**

Description	Charge
Reception and Conveyance (R)	12.31 pence per m <sup>3</sup>
Primary treatment (V)	14.21 pence per m <sup>3</sup>
Biological treatment (B)	40.92 pence per kg
Solids treatment (S)	51.88 pence per kg

**Table B.4.6 Trade Effluent Fixed Charges**

Discharge Volume (m <sup>3</sup> per annum)	Fixed Charge	Minimum Charge
0 - 500	-£37.00	£135.67
500 – 1,000	-£23.00	N/A
1,000 – 5,000	-£100.00	N/A
5,000 – 20,000	-£121.00	N/A



## B.5 Indicative special agreement charges

A small number of non-household premises are charged according to special agreements as listed below. The special agreement reference is as published in our Special Agreement Register (2016-17).

### B.5.1 Wastewater special agreements

Premises which receive wastewater charges under a special agreement are charged as follows:

**Table B.5.1 Charges for special agreement wastewater supplies**

Special Agreement reference	<i>Highways drainage</i>	<i>Surface water drainage</i>	<i>Foul drainage</i>	Charge
	Volume Charge - Wastewater (p/m <sup>3</sup> )			
<b>TMSSEW1</b>	<i>0.00</i>	<i>0.00</i>	<i>57.85</i>	57.85
<b>TMSSEW2</b>	<i>0.00</i>	<i>0.00</i>	<i>60.08</i>	60.08
Fixed charge per year				
<b>TMSSEW1</b>	<i>£3,351.62</i>	<i>£0.00</i>	<i>£0.00</i>	£3,351.62
<b>TMSSEW2</b>	<i>£3,351.62</i>	<i>£0.00</i>	<i>£0.00</i>	£3,351.62
Supplementary Large User Annual Charge				
<b>TMSSEW1</b>	<i>£0.00</i>	<i>£0.00</i>	<i>£18,208.00</i>	£18,208.00
<b>TMSSEW2</b>	<i>£0.00</i>	<i>£0.00</i>	<i>£18,208.00</i>	£18,208.00

## B.5.2 Trade effluent special agreements

Premises which receive Trade Effluent charges made under a special agreement are charged as follows:

**Table B.5.2 Charges for special agreement Trade Effluent supplies**

Special Agreement reference	Unit rates are in p/m <sup>3</sup>		Unit rates are in p/kg		Annual Charge
	Reception & Conveyance (R)	Primary Treatment (V)	Biological Treatment (B)	Solids Treatment (S)	Fixed charge
<b>TMSTE1</b>	n/a	15.05	51.03	64.70	n/a
<b>TMSTE3</b>	15.15	17.71	51.03	64.70	£313,523.00
<b>TMSTE4</b>	5.69	8.68	25.00	31.70	-£121.00
<b>TMSTE5</b>	15.15	n/a	n/a	n/a	n/a
<b>TMSTE8</b>	n/a	15.72	51.03	64.70	£4,879.00
<b>TMSTE9</b>	n/a	14.21	40.92	51.88	£20,474.36

Where required, charges for Ammoniacal Nitrogen Treatment per mg in excess of 35mg/l expressed as a fraction of 35 are also applied at a rate of 2.74 pence per m<sup>3</sup>.

The special agreement reference is as published in our Special Agreement Register (2016-17).

## Contact Us

On-line:

[www.thameswater.co.uk/wholesale](http://www.thameswater.co.uk/wholesale)

By email to:

[wholesalemarketservices@thameswater.co.uk](mailto:wholesalemarketservices@thameswater.co.uk)

By post to:

Wholesale Market Services

Clearwater Court

Vastern Road

Reading

RG1 8DB

By telephone:

For queries relating to these wholesale charges, you can speak to Wholesale Market Services during business hours on 0800 009 3975.

For water and wastewater emergencies and enquiries, please contact our 24 hour operational contact centre on 0800 316 9800.



[wholesalemarketservices@thameswater.co.uk](mailto:wholesalemarketservices@thameswater.co.uk)

Thames Water, Clearwater Court, Vastern Road,  
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