



Bulk charges for new appointments and variations

Our charges publications 2026/2027

United Utilities Water Limited has published three charges schemes, prepared in accordance with Ofwat's charging rules, and one charges statement for the 2026/2027 charging year. They include the charges to be paid for services provided by us in the course of carrying out our function as a water and sewerage undertaker. Below are details of all the schemes published by us.



Bulk charges for new appointments and variations (this document)

This charges statement sets out the charging policies and charges for bulk services provided to new appointments and variations.



Household charges scheme

This charges scheme sets out our charging policies and the charges our household customers must pay for our services.



Wholesale charges scheme

This charges scheme sets out our charging policies and charges for the wholesale water and sewerage services we provide.



New connections and developer services charges scheme

This charges scheme sets out our charging policies and charges for the water supply and sewerage connections and developer services we provide.

All of the documents shown above are available to download from unitedutilities.com

Where we provide our water and sewerage services



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1. Introduction

This charges statement contains details of United Utilities Water Limited's bulk charges for NAVs for the period 1 April 2026 to 31 March 2027.

It explains how we will demand and recover the specific charges for bulk supplies and discharge services provided directly by us to NAVs. This statement does not cover charges for new connections which can be found instead in our New Connections and Developer Services Charges Scheme.

The amount or value of each standard charge made under this statement is detailed in Schedule 5 and is stated exclusive of VAT. The charges in this document, where applicable, comply with the requirements of our Instrument of Appointment. To the extent that the information in this charges scheme is inconsistent with any agreement binding upon us, the agreement will prevail.

1.1 Meter reading data service

United Utilities Water (Uuw) offers a transfer of meter reading data service which is available to all Sewerage Undertakers in receipt of a Bulk Discharge operating within the United Utilities Water region.

Sewerage Undertakers are under no obligation to use the Services provided by Uuw and are free to procure their own services from independent providers.

Further details on this service can be found on the Uuw website.

1.2 Menu of Charges and Non-standard sites

The charges for most NAV sites, as set out in Schedule 5, will depend on the characteristics of the NAV site taking into consideration the following criteria:

- Whether the site is billed based on a bulk meter or, in the case of some wastewater only NAV sites, based on on-site meter readings. (This affects the assumptions for leakage that occurs between the bulk meter and any on-site meters).
- If there is a wastewater pumping station owned and operated by the NAV
- If there are any non-standard customers on site such as:
 - Large users (using more than 50,000 m³ per year).
 - Swimming Pools
 - Premises discharging Trade Effluent
- The site area of any non-household premises for the purpose of establishing Surface Water Drainage and Highways Drainage charges

We expect these charges to be appropriate for the majority of NAV sites. However, in rare circumstances, a development may contain assets we did not consider in our cost build up. In such cases where any service is not provided for in this statement, we may fix an appropriate bespoke charge to reflect the characteristics of that site. If there is high demand for a bespoke adjustment, we will consider moving to a standard charging approach in future years.

We may consider applying a 'common carriage discount' to a NAV site in cases where we provide a bulk water or wastewater service to that NAV site, and that NAV site provides a bulk water or wastewater service to another NAV or wholesaler (i.e. 'back-to-back' bulk supplies). We expect to calculate each discount on a case by case and therefore we have not published a value in this charges statement.

2. General provisions

2.1 Liability for charges

You are liable for charges applied to each and every connected site where you receive a service from us and charges for any other wholesale service you receive from us.

2.2 Payment terms

We will use our standard bulk agreement payment terms when billing NAVs. These terms state that payment is due either 15 days from the date of the invoice, or 30 days from the end of the billing period, whichever is later.

We will bill large sites on a more frequent basis. However, we may consider a longer billing period, subject to collateral being in place.

2.3 Value Added Tax (VAT)

All charges published in this document exclude VAT. VAT will be applied to charges as required by relevant legislation.

2.4 Metered charges

Bulk charges for NAV sites will usually be based on consumption as recorded by the bulk supply meter(s) and any applicable fixed charges which will include a standing charge per bulk supply meter, based on its size.

For some sites consumption may instead be determined by the on-site meters and not a bulk meter. This may apply to wastewater only NAV sites (where there is no bulk meter present) and for NAV sites that include a trade effluent consent.

More complex sites may require charges to be based on both a bulk meter and on-site meters. In such circumstances we will work with the NAV to agree the approach.

Where charges are based on a bulk meter, our tariffs include an appropriate allowance for on-site leakage.

2.4.1 Access to the bulk supply meter

You must allow us access to the bulk supply meter at all reasonable times.

3. Bulk charges for New Appointments and Variations

3.1 Composition of our bulk charge for NAVs

Our bulk charges for NAVs are made up of two parts:

- a volumetric charge; and
- a fixed charge.

These charges are set out below, and in accordance with Ofwat's Rules for Bulk Charges for New Appointments and Variations, are expressed on an end-user basis.

3.2 Volumetric charges

These charges will be applied against volumes recorded by either the bulk meter for water or to the on-site end-user meters as covered in section [2.4](#).

3.2.1 Non return to sewer allowances

For volumetric sewerage charges we assume that, on average, 5% of metered water volumes supplied are not returned back to sewer. Water companies have historically represented non return to sewer assumptions in customer charges in one of two different ways:

- Indirect method – charges are based on 100% of volumes recorded by the water meter, but a 5% adjustment is built into the tariff.
- Direct method – charges are based on 95% of volumes recorded by the water meter, but no adjustment is made to the tariff, i.e. the tariff will be 5% higher than it otherwise would have been using the indirect method.

Both methods result in the same customer bill for foul services.

Our wholesale charges (and end-used retailer charges) for household customers use the Indirect method. As the majority of NAV sites in our region serve household premises, we also use the Indirect method for our NAV charges for both household and non-household premises. However since 1 April 2023 our wholesale charges for non-household customers use the Direct method, consistent with the [RWG \(Retailer Wholesaler Group\) Good Practice Guide](#) on Return To Sewer Allowances. This difference in methodology is important to note when comparing differences between our wholesale and NAV charges for non-household premises.

Non-return to sewer charging methodology	Wholesale charges	Bulk charges to NAVs
Household customers	Indirect method	Indirect method
Non-household customers	Direct method	Indirect method

3.2.2 Regionally representative volumetric charges

Where a NAV site consists of household and/or non-large user non-household customers, we will apply a single regionally representative volumetric charge.

This charge may not apply in cases where there is a large user, swimming pool, or a trade effluent consent on the NAV's site. Please see sections [3.2.3](#) and [3.2.4](#) for more information on applicable volumetric charges in such circumstances.

3.2.3 Volumetric charges where there is a large user

We define a large user as a non-household customer eligible for our Select tariffs i.e. consuming more than 50,000 m3 of water per year.

If there is a large user, we will weight the volumetric charge using the assumed consumption of all on-site end-users. The weighted charges for water and sewerage will be calculated separately using the following formula.

$$\text{Weighted volumetric charge} = \frac{\sum_i (C_i * V_i * N_i)}{\sum_i (V_i * N_i)}$$

Where:

- C_i is the volumetric Charge associated with the different end user customer groups, i.e. Household, Non-household, Select 50 etc. as per sections [5.1.1](#) (water) and [5.1.2](#) (wastewater).
- V_i is the is assumed Volume each different customer type, as set out in section [5.1.3](#).
- N_i is the Number of customers in each group (Household, Non-household, Select 50 etc)

You will need to tell us about the on-site customer mix in your application so that we can calculate the weighted charge. We have published an Excel template on our website ('Bulk charges for NAVs – charge multiplier input') that you can use to submit this information to us. Note that you only need to do this if you have a large user or swimming pool on your site. Note that the weightings for sites with swimming pools will be reviewed on a case by case basis.

You can also use our bulk charge calculator to see how we calculate the bulk charge for sites with large users or trade effluent consents. You can find it on our website.

3.2.4 Volumetric charges where there is a trade effluent consent on site

Where sites include a trade effluent consent, wastewater charges for the trade consent will instead be based on consumption from the appropriate on-site meter(s) using the trade effluent Mogden formula (see section [5.2.6](#)) which takes into account the relative strengths for chemical oxygen demand and suspended solids of the particular effluent.

Wastewater charges for all other wastewater volumes for the site, excluding the trade effluent consent, will either be based on the regionally representative volumetric charge where there is no large user (see section [3.2.2](#)), or a weighted charge where there is a large user present (see section [3.2.3](#)).

3.2.5 Use of water for fire-fighting purposes

In accordance with section 147 of the Act, where we receive a valid application, no volumetric water charges will be applied to the proportion of water supplied to supply points which are used for fire-fighting, the testing of fire-fighting apparatus or fire-fighting training purposes.

3.3 Fixed charges

There are four types of fixed charges that may be applicable to a NAV site:

- On-site meter standing charges;
- bulk supply meter standing charge;

- select fixed charges; and
- surface water drainage and highway drainage charges.

3.3.1 On-site meter standing charges

We provide a 100 percent discount against on-site meter standing charges where the on-site meters are owned and maintained by the NAV.

3.3.2 Bulk supply meter standing charge

The NAV will be liable to pay an annual meter standing charge for the bulk supply meter(s).

3.3.3 Select fixed charges

These charges will be applicable where there is an on-site end user that would be eligible for our Select tariffs, which incorporate both a fixed and volumetric element.

3.3.4 Surface water drainage and highway drainage charges

If any surface water from premises within a NAV's site boundary enters a public sewer owned by us, then the NAV will be liable to pay surface water drainage charges. This is also the case if water enters our sewer through a private sewer or drain, or through a section of a public sewer that the NAV owns.

Highways drainage is water that drains from roads and footpaths into public drainage systems. The service is provided to the Highways Authority – it is not a service that is directly provided to customers or NAV sites (unlike foul sewerage or surface water drainage). Companies are prohibited from charging the Highways Authority for this service but are allowed under legislation to recover the cost from their customers regardless of the extent to which they directly benefit from the road system.

Where we provide a foul sewerage and/or surface water drainage service to a NAV site, we will also apply charges for highways drainage.

We will charge for surface water drainage and highway drainage on an end user basis. This means that the charge will not be based on the total area of the NAV site, but on the number of individual household premises on the NAV site and the individual site areas of any individually rated non-household premises on the site. The NAV should supply the relevant charging bands for its non-household customers using the excel template published on our website, as set out in section [3.2.3](#). If an end-user changes charging bands during the year, let us know and we'll amend the charge.

3.3.5 Vacant premises and surface water and highways drainage charges

We will apply fixed charges for surface water and highways drainage in respect of all properties on a NAV site where we have been notified that they are connected for wastewater services (regardless of whether they are Occupied or Vacant). We have included an additional 10% discount within our NAV charges for surface water and highways drainage which is intended to reflect that some properties may not be occupied and that the NAV will not be able to recover any revenue from these from such customers.

We will not apply any surface water and highways drainage charges to a NAV site where there is no consumption on the bulk meter. Similarly, we will not charge for any individual property that has not yet been connected for water.

3.3.6 Discounts to surface water and highways drainage charges

Occasionally, some but not all of a NAV site may drain into our sewer. This may be due to the layout of the site or to innovative drainage solutions installed by the NAV.

In such cases, we will provide further discounts against our surface water drainage and highway drainage charges. These discounts will be determined on a case-by-case basis during the bulk discharge agreement process.

If a customer on a NAV's site would have been eligible for our concessionary surface water drainage and highway drainage charges, then the starting point for the surface water drainage and highway drainage charge will be adjusted accordingly. See our wholesale charges scheme for more information.

4. Avoided costs

NAVs will be responsible for providing wholesale services to the ‘last-mile’ of the network, meaning UUW will avoid the costs associated with operating and maintaining assets within the NAV’s area. This section sets out how we have sought to reflect these avoided costs in our bulk charges.

4.1 Our standardised approach

The charges for most NAV sites, as set out in Schedule 5, are based on assumed standard characteristics of NAV sites. We have made two main standardising assumptions to reflect:

- The average network length per plot on a new development, and
- Typical consumption per plot on a new development.

These assumptions are based on internal data and reflect the average characteristics of new developments in our region.

We expect the standardised charge to be appropriate for the majority of NAV sites. However, in rare circumstances, a particular development may contain assets we did not consider in our cost build up. In such cases, we may consider adjusting the standardised charge to account for the site-specific variance in cost. If there is high demand for a bespoke adjustment, we will consider moving to a bespoke charging approach in future years.

4.2 Avoided costs per property

The avoided cost per property depends on whether a property is a household, non-household or large user, and will also depend on the tariffs used to charge the NAV site based on:

- Whether the site is billed based on a bulk meter or, in the case of some wastewater only NAV sites, based on on-site meter readings. (This affects the assumptions for leakage that occurs between the bulk meter and any on-site meters).
- If there is a wastewater pumping station owned and operated by the NAV
- If there are any non-standard customers on site such as:
 - Large users (using more than 50,000 m³ per year).
 - Swimming Pools
 - Premises discharging Trade Effluent
- The site area of any non-household premises for the purpose of establishing Surface Water Drainage and Highways Drainage charges

In the table below we have set out the avoided costs for an individual household property which assumes the NAV site is charged based on a bulk meter, there is not an on-site wastewater pumping station and that there are no non-standard customers on the site. The table reflects a similar layout to that in the draft Ofwat document “Common Terms and Worked Examples – Bulk Charges for New Appointments and Variations”.

Avoided costs (£ per household property)	Water	Total Water	Foul Water	Highway Drainage	Surface Water Drainage	Total Waste-water
Direct avoided costs	£22.25	£22.25	£12.02	£1.76	£4.10	£17.88
Meters & meter box repair	£18.80	£18.80	-	-	-	-
General & Support	£10.01	£10.01	£5.81	£0.74	£1.72	£8.26
Other	£13.76	£13.76	£7.83	£4.82	£11.23	£23.88
Total	£64.82	£64.82	£25.67	£7.31	£17.04	£50.02

Note that avoided costs are applied to both volumetric charges (as a reduction in £/m3) as well as a reduction to fixed charges. The avoided costs as shown in the above table have been converted to a £ per property basis. The table below reconciles the discounts in the published NAV charges against the total discount per property shown above.

	Units	Water	Foul Water	Highway Drainage	Surface Water Drainage	Total Waste-water
Fixed charge: wholesale	£/prop	£18.80	-	£42.23	£98.45	£140.68
Fixed charge: NAV charge	£/prop	-	-	£34.92	£81.41	£116.33
Fixed charge: avoided cost (A)	£/prop	£18.80	-	£7.31	£17.04	£24.35
Volumetric charge: wholesale	£/m3	£2.775	£1.846	-	-	£1.846
Volumetric charge: NAV charge	£/m3	£2.246	£1.551	-	-	£1.551
Volumetric charge: avoided cost (B)	£/m3	£0.529	£0.295	-	-	£0.295
Assumed volume per property (C)	m3	87	87	87	87	87
Total avoided cost (A + B x C)	£/prop	£64.82	£25.67	£7.31	£17.04	£50.02

4.3 Avoided costs: data sources, assumptions and methodology our approach

We have aligned our bulk charge discount to the concept of long-run avoided costs. The discount includes a deduction to reflect the wholesale activities that UUW will avoid as a result of the NAV serving the site. These activities include:

4.3.1 Direct Costs

The direct costs avoided include:

- **Water and wastewater mains repair and renewal** – avoided costs are estimated using a ‘bottom-up’ approach taking into consideration that estimated failure rates of water/wastewater mains (based on analysis of all UUW mains), the average length of main per property on a NAV site and the costs to repair one metre of main. These costs also include Service Pipe repairs.
- **Network employee costs** – we use a ‘middle-down’ methodology to calculate the avoided costs of network employees associated with the last mile of network. This takes an internal report of employee costs associated with the Treated Water Distribution and Wastewater

Network elements of wholesale price controls and allocates a proportion of these costs based on the average length of main per property on a NAV site.

- **Leakage Detection costs** – we use a similar methodology to that used for Network employee costs to calculate the avoided costs associated with finding and managing leaks on the network. Note that this does not include the cost of water itself that has been lost on the network, which we have included as part of Other avoided costs (see [4.3.4](#)).
- **Regulatory enforcement and water quality sampling** - we use a similar methodology to that used for Network employee costs, except that we express this as a cost per property
- **Mains cleaning** – we used a ‘bottom-up’ methodology based on the percentage of all U UW water mains we expect to clean each year on average, the average length of main per property on a NAV site and the costs to clean one metre of main.
- **Financing costs (allowed return)** - we include a ‘top-down’ allocation of financing costs (return on RCV) based on the assumed average length of main per property.
- **Discharge consents** – we provide a discount to wastewater charges for discharge consents. This uses a ‘top-down’ methodology to allocate a proportion of total Discharge costs to a NAV site based on the assumed length of wastewater mains on the site.

4.3.2 Meters & meter box repair

In our Wholesale charges, the cost of the main and meter box is fully recovered through the Wholesale Meter Standing Charge. For bulk charges to NAVs we provide a 100% discount to the Wholesale Meter Standing Charge where the on-site meters are owned and maintained by the NAV.

However, the NAV will be liable to pay an annual meter standing charge for the bulk supply meter(s) owned and managed by U UW (if a bulk meter is used for billing).

4.3.3 General & support

General & Support overheads have been calculated as a percentage uplift applied to the estimated Direct Costs avoided as a result of the NAV serving the site. The percentage uplift is based on total U UW General & Support expenditure as a proportion of total U UW Direct costs for the Treated Water Distribution and Wastewater Network elements of wholesale price controls. This is consistent with data reported into APR tables 4J and 4K, although we note that these tables no longer require General & Support or Direct costs to be separately disclosed. A five year average is used in order to maintain stability and consistency in charges.

4.3.4 Other avoided costs

In the category of Other avoided costs we have included:

- **Business Rates** – we have allocated a proportion of Business Rates to the NAV site based on the assumed average length of water main per property on a NAV site.
- **Leakage** - U UW will avoid any costs associated with leakage in the on-site network. Our NAV bulk charge includes a discount to reflect this. The discount is implemented via an adjustment to the bulk charge, not an adjustment to volumes recorded at the bulk meter. Note that we also include this discount in our foul bulk charge to ensure that NAVs are not disadvantaged by differences between the volume recorded by the bulk meter and their customers’ meters. For a standard site we assume that 4% of water is lost as leakage between the bulk and on-site meters.

- **Vacancy** - We will apply fixed charges for surface water and highways drainage in respect of all properties on a NAV site where we have been notified that they are connected for wastewater services (regardless of whether they are Occupied or Vacant). We have included an additional 10% discount within our NAV charges for surface water and highways drainage which is intended to reflect that some properties may not be occupied and that the NAV will not be able to recover any revenue from these from such customers.
- **Working Capital Allowance** - We consider that UUW may experience some working capital benefits from providing a NAV with wholesale services, relative to serving the end-users. Therefore, we provide a working capital discount to reflect these avoided costs.
- **Non-household retail market operation costs** – our wholesale charges for non-households include the costs associated with our interaction with the non-household retail market. These costs have been fully excluded when calculating bulk charges for NAVs. Note that our wholesale charges for Household customers do not include these costs therefore no adjustment is necessary to household charges when calculating NAV charges.

5. Schedule of bulk charges for NAVs 2026/2027

This schedule lists our bulk charges for NAVs.

All charges apply from 1 April 2026.

Charges are annual unless stated otherwise.

5.1 Volumetric charges

5.1.1 Bulk water volumetric charges

End-user customer	NAV Charge (£/m3)	Memo – wholesale charge (£/m3)
Standard use	£2.246	See below
<i>The charges below are applicable where there is a large user on-site. Use the formula set out in 3.2.3 and the consumption assumptions in 5.1.3 to calculate the bulk charge.</i>		
Household	£2.246	£2.775
Non-household	£2.246	£2.830
Select 50	£2.040	£2.164
Select 180	£1.877	£1.992
Select 750	£1.363	£1.452

Note: If Select charges are applicable to any end-users on a NAV site, the NAV will be liable to pay an appropriate fixed charge. Fixed charges for Select end-users can be found in section [5.2.3](#).

5.1.2 Bulk foul volumetric charges

End-user customer	NAV Charges (£/m3)				Memo – wholesale charge (£/m3)
	No pumping station		With pumping station		
	Billed on bulk meter	Billed on on-site meters	Billed on bulk meter	Billed on on-site meters	
Standard use	£1.551	£1.616	£1.415	£1.480	See below
Household	£1.551	£1.616	£1.415	£1.480	£1.846
Non-household	£1.551	£1.616	£1.415	£1.480	£2.002
Select (large user)	£1.731	£1.785	£1.595	£1.649	£1.946
Swimming pool	£1.324	£1.380	£1.188	£1.244	£1.730

Note: charges that include an allowance for pumping stations only apply to those volumes going through the pumping station. Charges for any volumes not going through a pumping station would be based on the standard rate.

Note: the swimming pool tariff will apply where the effluent from a public or commercial swimming pool largely consists of the filter backwash water. This tariff is only available where the water meter only records the water used for a public or commercial swimming pool and any other facilities directly associated with the use of the swimming pool such as changing

rooms. The swimming pool NAV charge as shown above assumes the same £/m3 discount as the standard non-household sewerage charge.

5.1.3 Assumed end-user consumption

We use the following consumption assumptions to calculate an appropriate weighted charge where there is a large user on the NAV's site. These assumptions should be used as per the formula set out in section [3.2.3](#).

End-user customer	Water consumption (m3)	Foul consumption (m3)
Household	87	87
Non-household	250	250
Select 50	50,000	-
Select 180	180,000	-
Select 750	750,000	-
Select sewerage	-	50,000

5.2 Fixed charges

5.2.1 On-site meter standing charges

We provide a 100 percent discount against on-site meter standing charges where the on-site meters are owned and maintained by the NAV.

Meter size	NAV Charge (£ per meter)	Memo – wholesale charge (£ per meter)
Household	£0.00	£18.80
Meter <= 25mm	£0.00	£18.80
Meter size > 25–50mm	£0.00	£86.82
Meter size > 50–100mm	£0.00	£159.88
Meter size > 100mm	£0.00	£193.30

5.2.2 Bulk supply meter standing charges

The NAV will be liable to pay an annual meter standing charge for the bulk supply meter(s) (if a bulk meter is used for billing).

Meter size	NAV Charge (£ per meter)	Memo – wholesale charge (£ per meter)
Meter <= 25mm	£18.80	£18.80
Meter size > 25–50mm	£18.80	£18.80
Meter size > 50–100mm	£86.82	£86.82
Meter size > 100mm	£159.88	£159.88

5.2.3 Select fixed charges

End-user customer	NAV Charge (£)	Memo – wholesale charge (£)
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Select 50	£32,583.44	£33,300.00
Select 180	£62,664.59	£64,260.00
Select 750	£455,533.48	£469,260.00

5.2.4 Surface water drainage charges

Site Area Band	NAV Charges				Memo – wholesale charge	
	No pumping station		With pumping station		Standard charge	Charge for eligible schools
	Standard charge	Charge for eligible schools	Standard charge	Charge for eligible schools		
Household	£81.41	n/a	£66.72	n/a	£98.45	n/a
Band 1* < 125 m ²	£112.76	£112.76	£92.32	£92.32	£137.02	£137.02
Band 2 < 300 m ²	£281.22	£140.61	£230.25	£115.13	£341.74	£170.85
Band 3 < 650 m ²	£626.69	£313.35	£513.10	£256.55	£761.55	£380.79
Band 4 < 1,500 m ²	£1,417.95	£708.98	£1,160.94	£580.47	£1,723.07	£861.54
Band 5 < 3,000 m ²	£2,965.83	£1,482.92	£2,428.26	£1,214.13	£3,604.04	£1,802.03
Band 6 < 7,000 m ²	£6,594.00	£3,297.00	£5,398.81	£2,699.41	£8,012.94	£4,006.45
Band 7 < 12,000 m ²	£12,527.87	£6,263.94	£10,257.13	£5,128.57	£15,223.69	£7,611.86
Band 8 < 18,000 m ²	£20,201.70	£10,100.85	£16,540.04	£8,270.02	£24,548.83	£12,274.42
Band 9 < 25,000 m ²	£28,956.06	£14,478.03	£23,707.63	£11,853.82	£35,187.01	£17,593.52
Band 10 < 50,000 m ²	£50,505.22	£25,252.61	£41,350.90	£20,675.45	£61,373.25	£30,686.64
Band 11 < 75,000 m ²	£84,175.87	£42,087.94	£68,918.58	£34,459.29	£102,289.36	£51,144.68
Band 12 < 100,000 m ²	£117,846.46	£58,923.23	£96,486.20	£48,243.10	£143,205.40	£71,602.71
Band 13 < 125,000 m ²	£151,517.09	£75,758.55	£124,053.87	£62,026.94	£184,121.49	£92,060.71
Band 14 < 150,000 m ²	£185,187.70	£92,593.85	£151,621.52	£75,810.76	£225,037.56	£112,518.76
Band 15 > 150,000 m ²	£218,858.96	£109,429.48	£179,189.69	£89,594.85	£265,954.41	£132,977.21

* The Flood and Water Management Act 2010 provided for community groups to be given a concession for surface water drainage and highway drainage charges if they meet specific criteria. Eligible community groups are charges as Band 1 in the above table. Full details of the schemes can be found on our website at: <https://www.unitedutilities.com/concessionary-for-community-groups>

5.2.5 Highway drainage charges

Site Area Band	NAV Charges				Memo – wholesale charge	
	No pumping station		With pumping station		Standard charge	Charge for eligible schools
	Standard charge	Charge for eligible schools	Standard charge	Charge for eligible schools		
Household	£34.92	n/a	£28.62	n/a	£42.23	n/a
Band 1* < 125 m ²	£48.32	£48.32	£39.56	£39.56	£58.72	£58.72
Band 2 < 300 m ²	£120.50	£60.25	£98.66	£49.33	£146.43	£73.24
Band 3 < 650 m ²	£268.54	£134.27	£219.87	£109.94	£326.33	£163.15
Band 4 < 1,500 m ²	£607.59	£303.80	£497.46	£248.73	£738.33	£369.18
Band 5 < 3,000 m ²	£1,270.88	£635.44	£1,040.53	£520.27	£1,544.36	£772.20
Band 6 < 7,000 m ²	£2,825.59	£1,412.80	£2,313.44	£1,156.72	£3,433.62	£1,716.81
Band 7 < 12,000 m ²	£5,368.27	£2,684.14	£4,395.24	£2,197.62	£6,523.45	£3,261.71
Band 8 < 18,000 m ²	£8,656.60	£4,328.30	£7,087.55	£3,543.78	£10,519.38	£5,259.67
Band 9 < 25,000 m ²	£12,407.90	£6,203.95	£10,158.90	£5,079.45	£15,077.91	£7,538.94
Band 10 < 50,000 m ²	£21,641.88	£10,820.94	£17,719.18	£8,859.59	£26,298.92	£13,149.45
Band 11 < 75,000 m ²	£36,070.02	£18,035.01	£29,532.15	£14,766.08	£43,831.80	£21,915.91
Band 12 < 100,000 m ²	£50,498.14	£25,249.07	£41,345.10	£20,672.55	£61,364.66	£30,682.32
Band 13 < 125,000 m ²	£64,926.26	£32,463.13	£53,158.06	£26,579.03	£78,897.52	£39,448.75
Band 14 < 150,000 m ²	£79,354.37	£39,677.19	£64,971.00	£32,485.50	£96,430.36	£48,215.15
Band 15 > 150,000 m ²	£93,782.77	£46,891.39	£76,784.18	£38,392.09	£113,963.56	£56,981.76

* The Flood and Water Management Act 2010 provided for community groups to be given a concession for surface water drainage and highway drainage charges if they meet specific criteria. Eligible community groups are charges as Band 1 in the above table. Full details of the schemes can be found on our website at: <https://www.unitedutilities.com/concessionary-for-community-groups>

5.2.6 Trade Effluent charges

The charge is based on a standard unit charge per cubic metre of trade effluent discharged to a public sewer. The standard unit charge is based on the Mogden formula using the following factors:

R	Reception and conveyance
V	Preliminary and primary treatment
B1 & B2	Biological treatment
S	Sludge treatment and disposal

The charge per cubic metre of a particular trade effluent is calculated by adding the standard unit charge(s) for each of the above factors which are applicable to the treatment and disposal of that particular effluent, having first adjusted where necessary items B2 and S. This is to take account of the relative strengths for chemical oxygen demand and suspended solids of the particular effluent and the average effluent (mixed sewage and trade effluent) received at our wastewater treatment works in long-term average rainfall conditions.

The Mogden formula by which this calculation is made is:	
$C = (R + V + B^1) + (B^2 \times Ot/Os) + (S \times St/Ss)$	
Where:	
C	is the unit charge per cubic metre of trade effluent discharged
R	is the unit cost per cubic metre for the reception and conveyance of sewage
V	is the unit cost per cubic metre of the preliminary and primary treatment of the sewage in our wastewater treatment works
B	is the unit cost per cubic metre of the biological oxidation treatment of settled sewage. It consists of two elements: B ₁ is the unit charge per cubic metre relating to volume related secondary treatment costs and B ₂ is the unit cost per cubic metre relating to all other biological oxidation treatment costs
S	is the cost of per cubic metre of treatment and disposal of primary sewage sludge
Ot	is the chemical oxygen demand (COD) in mg/l of the trade effluent after 1 hour quiescent settlement at pH7 or at the pH of the mixed sewage
Os	is the chemical oxygen demand (COD) of 350 mg/l of average strength settled sewage
St	is the suspended solids in mg/l of the trade effluent at pH7 or at the pH of the mixed sewage
Ss	is the suspended solids of 230 mg/l of average strength crude sewage

If the combined foul effluent and trade effluent discharge from a premises is more than 50 megalitres (50,000 cubic metres) per annum, a reduced rate for reception and conveyance is applied.

Standard unit charges per cubic metre (m³) for effluent of average strength are based on the following Mogden formula elements:

Mogden formula elements (£/m3)	Volume charge	Volume charge – with pumping station	Memo – wholesale charge
R = Reception and conveyance	£0.3600	£0.2200	£0.5853
R = Reception and conveyance – large users	£0.4900	£0.3600	£0.5011
V = Preliminary and primary treatment	£0.2931	£0.2931	£0.3066
B ₁ = Biological treatment (volume related secondary treatment costs)	£0.0890	£0.0890	£0.0890
B ₂ = Biological oxidation (based on chemical oxygen demand of 350mg/l)	£0.2295	£0.2295	£0.2451
S = Sludge treatment and disposal (based on suspended solids of 230mg/l)	£0.2726	£0.2726	£0.2791

6. Worked examples

6.1 Example 1 – household development

A NAV site has 150 household connections. The NAV would like a bulk supply of water and wastewater services. The site has one 100mm bulk supply meter. In addition, the entire NAV site drains to UUW's network.

Volumetric charges

The volumetric charges levied against usage recorded at the bulk supply meter will be the standard volumetric charges as set out in section [5.1](#) - £2.246/m³ for water and £1.551/m³ for foul respectively.

We do not weight the charge as there are no large users on-site.

Fixed charges

The NAV will pay a fixed charge for its bulk supply meter. Section [5.2.2](#) indicates this charge will be £159.88.

The NAV will also be liable to pay an annual surface water drainage and highway drainage charge. Sections [5.2.4](#) and [5.2.5](#) indicate this charge will be $(£81.41 + £34.92) \times 150 = £17,449.50$.

6.2 Example 2 – mix of household and non-household plots, wastewater only

A NAV site has 100 household and 5 non-household connections (each is assumed to be Band 1 for Highways Drainage charging purposes). The NAV would like a foul sewerage bulk supply service. UUW will provide water services to the site. The entire NAV site will drain directly to a nearby watercourse without entering UUW's network.

Volumetric charges

The volumetric charges levied against aggregate site consumption will be the standard volumetric charge for a wastewater only NAV as set out in section [5.1.2](#) - £1.616/m³.

Aggregate site consumption is measured using consumption recorded at the water meters of UUW's wholesale customers.

We do not weight the charge as there are no large users on-site.

Fixed charges

There is no bulk supply meter so no meter standing charge is payable.

The NAV site drains directly to a watercourse without entering our network so we do not charge the NAV for surface water drainage. The site does receive a foul sewerage wastewater bulk supply service and so is eligible for highways drainage charges. Section [5.2.5](#) indicates this charge will be $(£34.92 \times 100) + (£48.32 \times 5) = £3,733.60$.

6.3 Example 3 – a mix of regular and large non-household users

A NAV site has a mix of non-household end-users, including one large user and 10 regular users. The large user would be eligible for UUW's Select 50 tariff if it was within UUW's region. The NAV would like to buy water, foul and surface water drainage services from UUW.

Volumetric charges

There is a large user on the NAV site which means we will use the formula set out in section [3.2.3](#), the charges in sections [5.1.1](#) and [5.1.2](#), and the consumption assumptions in section [5.1.3](#) to calculate the ongoing volumetric charge.

$$\begin{aligned}\text{Weighted volumetric charge} - \text{water} &= \frac{\{(\pounds 2.246 * 2,500) + (\pounds 2.040 * 50,000)\}}{(2,500 + 50,000)} \\ \text{Weighted volumetric charge} - \text{foul} &= \frac{\{(\pounds 1.551 * 2,500) + (\pounds 1.731 * 50,000)\}}{(2,500 + 50,000)}\end{aligned}$$

The total volume associated with standard use non-household customers is calculated by multiplying the volume assumption for that customer class by the number of customers in that class.

Note that there is no trade effluent customer on the site, so we do not adjust the foul charge.

The resulting charges are £2.050/m³ for water and £1.722/m³ for foul.

Fixed charges

The NAV will pay a fixed charge for its bulk supply meter. Section [5.2.2](#) indicates this charge will be £159.88 for a 100mm meter.

The NAV will pay a fixed charge relating to the on-site large user. Section [5.2.3](#) indicates this charge will be £32,583.44.

The NAV's NHH customers would all be band 4 surface water and highways drainage customers if they were in UUW's Area of Appointment, other than the Select customer which would be a band 8.

Therefore, sections [5.2.4](#) and [5.2.5](#) indicate the fixed charge payable would be (10 x (£1,417.95 + £607.59)) + (£20,201.70 + £ 8,656.60) = £49,113.70

6.4 Example 4 – block of flats

A NAV site consists of a single tower block containing 400 individual household apartments. The site has one bulk supply meter. The site is connected to UUW network for water and foul sewerage, but is not connected for surface water.

Volumetric charges

The volumetric charges levied against usage recorded at the bulk supply meter will be the standard volumetric charges as set out in section [5.1](#) - £2.246/m³ for water and £1.551/m³ for foul respectively.

We do not weight the charge as there are no large users on-site.

Fixed charges

The NAV will pay a fixed charge for its bulk supply meter, assumed in this example to be 50mm. Section [5.2.2](#) indicates this charge will be £86.82.

The NAV will also be liable to pay an annual charge for highway drainage of £34.92 per household property (per section [5.2.5](#)). The total charge for the NAV site for highways drainage would be £34.92 x 400 = £ 13,968.00 .

Variants

If the site was also connected to UUW network for surface water, there would be an additional charge of £81.41 per household property (per section [5.2.4](#)). The total charge for the NAV site for surface water drainage would be $£81.41 \times 400 = £32,564.00$.

There would be no change to any of the water and wastewater charges described above for Example 4 regardless of whether the NAV were to individually meter each of the 400 household apartments, or to charge based on a single common meter supplying the apartment block. Any meters installed to the individual apartments would be owned by the NAV and as such there would be no charge from United Utilities for these meters.