

Large User Tariff

Yorkshire Water's Policy

April 2022



YorkshireWater

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1. Introduction

- 1.1 The purpose of this policy is to provide clarity to Retailers regarding the application of the Large User Tariff (previously known as Falling Block Tariff) for the charging year 2022/23 and onwards.
- 1.2 Prior to April 2019 the application methodology of the Large User Tariff has been included in the Yorkshire Water Wholesale Charges scheme, but after consulting with Retailers we have taken the decision to publish a policy to provide more detail and worked examples.
- 1.3 This document is intended to be used by Retailers with a Water Supply and/or Sewerage Licence (WSSL).

2. Aim

The aims of this policy are to:

- provide clarity on how the application of the Large User Tariff has changed in 2022/23 compared to 2018/2019 charging years.
- provide examples for how the Large User Tariff was applied prior to April 2019.

3. Details

- 3.1 The Large User Tariff only applies to Supply Points and Discharge Points that use above 50,000m³ per annum and is limited to Non-household charges only.
- 3.2 This policy has been prepared in conjunction with the following documents:

- Wholesale Retail Market Codes
www.mosl.co.uk/market-codes/codes
- Ofwat Wholesale Charging Rules guidance
www.ofwat.gov.uk/wp-content/uploads/2019/01/18-12-20-Wholesale-charging-Rules.pdf

3.3 What has changed?

3.3.1 The application methodology of the Wholesale Large User Tariff between April 2017 and March 2019 was included in the charging scheme for those respective years. However, following feedback from Retailers we have provided a number of worked examples to provide more clarity. These can be found in the Appendix: Large User Tariff Application 01/04/2017 to 31/03/2019.

3.3.2 Based upon feedback following our annual tariff survey in Q4 2020, we have made changes to simplify the Charging Booklet in respect to how the Large User Tariff is displayed as a “Falling Block” style tariff. These changes clarify the volumetric bands at which each tariff rate is calculated and remove the ambiguity of the Falling Block Tariffs having the same rate applied for different volumetric thresholds. This is covered in more detail in the worked examples in the appendix.

4. Responsibilities

4.1 Wholesaler responsibility

4.1.1 Conduct within year tariff adjustments for Supply Point which exceed the bands as set out in the Wholesaler Charges Scheme.

4.1.2 Validate Large User Tariff contiguous premises where Supply Points have been granted volumetric adjustments.

4.1.3 Perform end of year tariff adjustments for those Supply Points who have met or failed to meet individual thresholds.

4.1.4 Ensure that each customer has the correct tariff applied and Yorkshire Water reserve the right to amend a Supply Point tariff if they deem an error has been made.

4.2 Retailer responsibility

4.2.1 Supply actual readings within market defined timescales (see section 5.4 Damaged and Inaccessible Meters for those meters which are unavailable).

4.2.2 Submit a query if they believe the Supply Point is on the wrong tariff. This can be done via SWIMPool using the H5 form. If you require help with SWIMPool please contact your admin super user or contact the Yorkshire Water Wholesale Service Desk.

4.2.3 Raise appropriate bilateral forms if meter(s) are damaged or inaccessible due to H&S. A bilateral form guide can be found on our website – [link](#). Please refer to this if you are unsure which form to use. Borehole or river abstraction

4.2.4 Supply calculated discharge volumes for Discharge Points as required by the Wholesale Retail Code, including within set timescales.

5. Large User Tariff Application

5.1 Background

5.1.1 A Large User Tariff is a tariff whereby the unit rate charged for consumption decreases as the volume consumed at a Supply Point level increases. The reduced unit rate applies from a point where a consumption exceeds a specific threshold. Where a threshold is exceeded, the volume consumed below the threshold remains chargeable at the higher rate, and the consumption equal to or above the threshold is chargeable at the new lower rate.

- 5.1.2 Prior to April 2019 Yorkshire Water has applied the Large User Tariff (also referred to as Failing Block Tariff) on an annualised basis which is consistent with the pre-market Charges Scheme.
- 5.1.3 The Central Market Operating System (CMOS) does not have the capability of applying the annualised Large User Tariff automatically as designed in our charging scheme.
- 5.1.4 The Settlement engine within CMOS has a settlement quantum of one day, so it does not aggregate consumption from the start of the financial year to current month and is therefore unable to apply the Failing Block Tariff automatically
- 5.1.5 To ensure charges are applied in compliance with the Wholesale Charges Scheme, the appropriate tariff at Supply Point level is applied manually in CMOS by Yorkshire Water.

5.2 How the tariff bandings are applied

- 5.2.1 With effect from 1 April 2019, a new methodology has been adopted to streamline the calculation of Large User Tariff settlement charges in CMOS. During the charging year Yorkshire Water will utilise the functionality in CMOS so that Large User Tariff charges will be calculated on a monthly rather than annualised basis, subject to a later annualised reconciliation.
- 5.2.2 During and at the end of the year Yorkshire Water will reconcile this monthly based charge in arrears to the annualised methodology and will and apply tariffs which have met the volumetric thresholds where required so that the final charge is based on annualised consumption.
- 5.2.3 Yorkshire Water reconcile the charges annually to aggregate a total consumption at any separately metered individual set of premises which is in receipt of a metered supply of water to those premises and which is not currently subject to a separate agreement with respect to payment of water supply charges. Yorkshire Water want to ensure that all settled consumption is based upon actual meter reads rather than estimations to allow accurate applications of tariffs.

- 5.2.4 Yorkshire Water have completed a detailed analysis and can confirm that no customer will either benefit or be adversely affected by this change.
- 5.2.5 For the avoidance of doubt during the year, measured water Supply Points will receive the monthly application by having tariff code MWIYWS applied.
- 5.2.6 For measured sewerage Supply Points, the tariff code MSIYWS will be applied.
- 5.2.7 For Trade Effluent Discharge Points which are eligible for Falling Block, the TEIYWS tariff code will be applied.
- 5.2.8 For those customers within the York Waterworks supply area, the MWIYOR tariff will be applied.
- 5.2.9 These transactions will be submitted in retrospect in the week commencing 1 April 2022 to each SPID which has had a change in tariff application in the prior charging year
- 5.2.10 Yorkshire Water will amend the tariff applied in retrospect once actual meter reads have been supplied for each Meter associated to the supply point. This will be done using the FWIYWS/FW2YWS/FW3YWS tariffs for Water Supply Points, the FS1YWS/FS2YWS/FS3YWS tariffs for Sewerage Supply Points and finally the TFIYWS/TF2YWS/TF3YWS tariff codes for Trade Effluent Discharge Points.
- 5.2.11 All Supply Points and Discharge Points will be periodically reviewed by the Yorkshire Water Settlements Team to ensure the most appropriate tariff is applied.
- 5.2.12 If a Retailer fails to provide evidence through meter reads that the Supply Point has met the threshold for eligibility, then Yorkshire Water reserve the right to not apply the Large User Tariff.

5.3 Examples of Large User Tariff application

The following examples should be used in conjunction with the [Wholesale Charges Scheme](#).

5.3.1 Table 1: Wholesale Large User Tariff Charge for 2022/23

Bandings	Measured Water MWIYWS (p/m3)	Measured Sewerage MSIYWS (p/m3)
Banded Tariff:<50 Ml/a	146.23	178.19
Banded Tariff:.50 to 250 Ml/a	93.38	144.02
Banded Tariff:>250 Ml/a	78.82	131.46

5.3.2 Example 1. Monthly basis consumption of Water on a Supply Point with single meter

A Supply Point is configured on tariff code MWIYWS with effect from first day of the charging year.

Meter 1		
Read Date	Read Value	Read Type
01/04/2022	0	Visual
31/05/2022	25000	Visual
31/07/2022	55000	Visual

In this instance, CMOS would apply the tariff automatically based upon a pro-rata of the volumetric bands associated with the tariff. As band one of the MWIYWS tariff is for the first 50,000m³ per year, this would mean that the 50,000m³ would be split by the number of days within the year.

For 2022, this would be 50,000/365 so 136.99m³ per day.
Band two of the MWIYWS tariff is between 50,000m³ and 250,000m³ per year. This would equate to 200,000m³/365 so 547.95m³ per day in 2022.

25,000m³ used between 1 April and 31 May. This gives an average consumption of 409.84m³ per day (25,000m³/61 [Number of Days between 01/04/2021 to 31/05/2021]).

April would be charged on 30 days' worth of 409.84m³ so a total volume of 12,295.20m³.

30 days' worth of 136.99m³/day would give a total volume of 4,109.70m³ charged at the rate for band 1. The next 8,185.50m³ would be charged at the rate for band 2.

Settlement charge for April using the MWIYWS 2022/23 rates above:

Band 1 = 4,109.70m ³ * 146.23 p/m ³	= £6,009.61
Band 2 = 8,185.50m ³ * 93.38 p/m ³	= £7,643.62
Total Charge	= £13,653.23

CSD0207 details the full logic used to derive banded tariff applications if further clarification is required.

5.3.3 Example 2. Annualised basis consumption of Water on a SPID with single meter where the monthly threshold is reached but not the annual threshold.

A Supply Point is configured on tariff code MWIYWS with effect from 1st day of the charging year.

Meter 1		
Read Date	Read Value	Read Type
01/04/2021	0	Visual
31/05/2021	25000	Visual
31/03/2022	40000	Visual

In this instance, the tariff application date would be calculated as MWIYWS tariff applied with effect from 1 April. CMOS calculates charges as per example 1.

Consumption for the whole year is 40,000m³. As the annual threshold of 50,000m³ has not been reached it is not eligible for the band two.

In order to ensure charges at this Supply Point are correct, we would therefore apply the FWIYWS tariff from 01/04/2022 until the end of the charging year.

5.4 Damaged and inaccessible meters

5.4.1 Where a meter is damaged or inaccessible for Health and Safety reasons, an agreed volumetric adjustment will be applied to allow for a Supply Point to be moved between volumetric thresholds once the volume requirements have been met. All adjustments need to be made ahead of the R3 settlement run publication dates for the periods of supply.

5.4.2 The application for a volumetric adjustment is requested via a H1 -Application for an allowance and/or volumetric adjustment or Wholesaler notice of review and/or change of allowance form.

5.4.3 An agreed volume will be submitted to CMOS via a T138.W message and will be derived using previous meter history or Metered Volume estimates based upon YVE / ILE / Meter Size where insufficient history is available.

5.5 Disagreements

5.5.1 If a Retailer has a disagreement with a Large User Tariff application, then the Yorkshire Water escalation matrix should be followed.

5.5.2 Please refer to the financial section of the escalation matrix which can be found on the Yorkshire Water website www.yorkshirewater.com/business/policies

6. References

- Wholesale Retail Market Codes
www.mosl.co.uk/market-codes/codes
- Ofwat Wholesale Charging Rules guidance
www.ofwat.gov.uk/wp-content/uploads/2019/01/18-12-20-Wholesale-charging-Rules.pdf

7. Contact details

YW Wholesale Service Desk between 08:00 to 18:00 Monday to Friday - 0344 902 0228.

Settlements Team – settlements@yorkshirewater.co.uk

8. Review date/ version control

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Document Approval

Manager of Client Services Document Owner (Author)	Head of Wholesale Market Services Document Approval Manager
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Document Revision History

Version	Date	Amendment Details
1	Apr-19	There is a new application methodology for the Large User Tariff from the 1st April 2019. Moved from annualised to monthly, reducing the front loading of the charges giving a benefit to the retailer.
2	Mar-21	Updates to the Tariff booklet based upon feedback from Retailers. Updates to the worked examples to take into account new tariff prices. Policy updated to reflect these changes
3	Mar-22	Updates to the worked examples to take into account new tariff prices.

9. Appendix A- Large User Tariff Application 01/04/2017 to 31/03/2019

9.1.1 Introduction

When the NHH retailer market first opened in April 2017 Yorkshire Water applied the Large User Tariff (also referred to as Falling Block Tariff) on an annualised basis. Following a consultation with Retailers it was discovered that the application of the Large User Tariff was difficult to understand so we have added some worked examples in this section.

For the avoidance of doubt the rules that applied between 01/04/2017 and 31/03/2019 will continue to be applied for settlement months within that period.

9.1.2 How the Tariff bandings are applied

Yorkshire Water had previously created individual tariff bands for each of the Large User Tariff bands within the Central Market Operating System (please see Table 2: Wholesale Large User Tariff 2017/18 & 2018/19). Historically, Yorkshire Water manually adjusted the applicable tariff band for each impacted Supply Point and Discharge Point by identifying the exact date where aggregated Supply Point or Discharge Point consumption has reached the threshold for the next consumption band.

This was done by analysing "Actual" meter reads with the type of "Visual" or "Customer" for every meter linked to a Supply Point and creating an aggregate view of consumption for the Supply Point from the start of the charging year, including checks for vacant premise dates, and then retrospectively applying the appropriate tariff so that CMOS will accurately calculate charges. Please note that there are some exceptions to this application as set out in section 5.4 (Damaged and Inaccessible Meters).

If a Retailer fails to provide evidence through actual meter reads that the Supply Point has met the threshold for eligibility, then Yorkshire Water reserve the right to not apply the Large User Tariff.

9.1.3 Table 2. Wholesale Large User Tariff 2017/18 & 2018/19

Tariff Name	Band	Volume band, MI	Unit rate, £ (2017/18)	Unit Rate, £ (2018/19)
Measured Water Falling Block 1	FW1YWS	0-50	1.2496	1.3165
Measured Water Falling Block 2	FW2YWS	50-250	0.7916	0.8340
Measured Water Falling Block 3	FW3YWS	>250	0.6731	0.7090
Measured Sewerage Falling Block 1	FS1YWS	0-50	1.5258	1.5925
Measured Sewerage Falling Block 2	FS2YWS	50-250	1.2306	1.2844
Measured Sewerage Falling Block 3	FS3YWS	>250	1.1230	1.1722
Measured Water Falling Block 1	FW1YOR	0-50	0.6920	0.7290
Measured Water Falling Block 2	FW2YOR	50-250	0.6078	0.6403
Measured Water Falling Block 3	FW3YOR	>250	0.6078	0.6403

Trade Effluent Falling Block 1	TF1YWS (Reception Only)	0-50	0.4455	0.4658
Trade Effluent Falling Block 2	TF2YWS (Reception Only)	50-250	0.2514	0.2629
Trade Effluent Falling Block 3	TF3YWS (Reception Only)	>250	0.1680	0.1756

10. Appendix B - Examples of Large User Tariff Application

10.1.1 Example 1. Water Supply Point & Sewerage Supply Point with multiple meters and a Return to Sewer Value of 95%

A water Supply Point is configured on tariff code FW1YWS with effect from the first day of the charging year.

Meter 1				Meter 2		
Read Date		Read Value	Read Type	Read Date	Read Value	Read Type
01/04		0	Visual	01/04	0	Visual
31/05		25000	Visual	31/05	12000	Visual
30/07		55000	Visual	30/07	22000	Visual

In this instance, the tariff application date would be calculated as 121 days between the start of the charging year and the latest reads showing to have crossed volumetric threshold.

Aggregate consumption of 77,000m³ recorded across the two meters across 121 days of charging year = $77,000\text{m}^3 / 121 \text{ days} = 636.36 \text{ m}^3 \text{ per day}$. 50,000m³ threshold divided by 636.36m³ daily consumption = 79 days

Tariff application date would therefore be 18/06 as this is the day where the 50,000m³ threshold was met.

For the paired Sewerage Supply Point, tariff FSIYWS is applied from the start of the charging year. In this instance, the tariff application date would be calculated as 121 days between the start of the charging year and the latest reads showing to have crossed volumetric threshold.

Aggregate consumption of 77,000m³ recorded across the two meters across 121 days of charging year then multiplied by 95% to show the volume of water discharged back to sewer

$$77,000\text{m}^3 * 95\% = 73,150\text{m}^3$$

$$73,150\text{m}^3 / 121 \text{ days} = 604.55\text{m}^3 \text{ per day}$$

50,000m³ threshold divided by 604.55m³ daily discharged volume = 83 days

The tariff application date for the Sewerage Supply Point would therefore be 22/06 as this is the day where the 50,000m³ threshold was met.

10.1.2 Example 2. Sewerage Supply Point with single meter linked to a Discharge Point (MDVol 100%)

A Sewerage Supply Point is configured on tariff code MS1YWS with effect from the first day of the charging year. A Discharge Point is associated to tariff code TF1YWS with effect from the first day of the charging year.

Trade Effluent Meter 1		
Read Date	Read Value	Read Type
01/04	0	Visual
31/05	25000	Visual
30/07	55000	Visual

In this instance, the tariff application date would be calculated as 121 days between last read prior to charging year and first read to have crossed volumetric threshold.

$55,000\text{m}^3$ recorded across 121 days of charging year = $55,000 / 121 = 454.55 \text{ m}^3$ per day

$50,000\text{m}^3$ threshold divided by $454.55\text{m}^3/\text{day}$ discharged volume = 110 days

TF2YWS Tariff application date would therefore be 20/07 as this is the day where the $50,000\text{m}^3$ threshold for discharged volumes was met.

10.1.3 Example 3. Water Supply Point with a single meter and no Actual reads provided.

A Supply Point is configured on tariff code FW1YWS with effect from the first day of the charging year

Meter 1		
Read Date	Read Value	Read Type
01/04	0	Visual
31/05	25000	Visual
31/03	55000	Estimated

In this instance, the tariff application date would not be calculated as the requirements for providing actual reads have not been met within the charging year.

10.1.4 Example 4. Water Supply Point with single meter and a mixture of Actual and Estimate meter readings are provided.

A Supply Point is configured on tariff code FWIYWS with effect from the first day of the charging year.

Meter 1		
Read Date	Read Value	Read Type
01/04	0	Visual
31/12	65000	Estimated
31/03	55000	Visual

In this instance, the tariff application date would only be calculated once an actual read is provided showing that the volumetric threshold has been met.

365 days between the start of the charging year and the latest reads showing to have crossed volumetric threshold.

Consumption of 55,000m³ recorded across the 365 days of charging year = $55,000\text{m}^3 / 365 \text{ days} = 150.68 \text{ m}^3 \text{ per day}$

50,000m³ threshold divided by 150.68m³daily consumption = 332 days

Tariff application date would therefore be 26/02 as this is the day where the 50,000m³ threshold was met.

Should the Estimated read have been considered, the calculation would have looked like this:

274 days between the start of the charging year and the latest reads showing to have crossed volumetric threshold.

Consumption of 65,000m³ recorded across the 274 days of charging year = $65,000\text{m}^3 / 274 \text{ days} = 237.23 \text{ m}^3 \text{ per day}$

50,000m³ threshold divided by 237.23m³daily consumption = 211 days

The tariff application date would therefore be 28/10 as this is the day where the 50,000m³ threshold was met however this would lead to future settlement charges being incorrectly calculated as the tariff would have been applied before the true volumetric threshold had been met.

10.1.5 Example 5. Water Supply Point with two meters – One damaged, one working and a mixture of Actual and Estimate meter readings provided.

A water Supply Point is configured on tariff code FWIYWS with effect from the first day of the charging year.

Meter 1			Meter 2 (damaged)		
Read Date	Read Value	Read Type	Read Date	Read Value	Read Type
01/04	0	Visual	01/04	0	Visual
31/05	25000	Visual	31/05	12000	Estimated
30/07	55000	Visual	30/07	22000	Estimated
			01/08	0	Final Visual

A T138.W Volumetric Adjustment has been applied to the Supply Point to account for the under-recording meter. This is for 30,000m³. In this instance, the tariff application date would be calculated as 121 days between the start of the charging year and the latest reads showing to have crossed volumetric threshold.

Aggregate consumption of 85,000m³ recorded across the two meters across 121 days of charging year = $85,000\text{m}^3 / 121 \text{ days} = 702.48 \text{ m}^3 \text{ per day}$

50,000m³ threshold divided by 702.48m³daily consumption = 71 days

Tariff application date would therefore be 11/06 as this is the day where the 50,000m³ threshold was met once the volumetric adjustment was accounted for in the total Supply Point consumption.

The inaccurate "damaged" readings on 31/05 & 30/07 would also be removed.

10.1.6

Table 3: Wholesale Large User Tariff CMOS Codes

Description	CMOS Tariff Code	CMOS TARIFF NAME
Banded Tariff: <50 MI/a	FS1YWS	Measured Sewerage Falling Block 1
Banded Tariff: >50 to 250 MI/a	FS2YWS	Measured Sewerage Falling Block 2
Banded Tariff: >250 MI/a	FS3YWS	Measured Sewerage Falling Block 3
Banded Tariff: <50 MI/a	FW1YOR	Measured Water (York) Falling Block 1
Banded Tariff: >50 to 250 MI/a	FW2YOR	Measured Water (York) Falling Block 2
Banded Tariff: >250 MI/a	FW3YOR	Measured Water (York) Falling Block 3
Banded Tariff: <50 MI/a	FW1YWS	Measured Water Falling Block 1
Banded Tariff: >50 to 250 MI/a	FW2YWS	Measured Water Falling Block 2
Banded Tariff: >250 MI/a	FW3YWS	Measured Water Falling Block 3
Banded Tariff: <50 MI/a	TF1YWS	Trade Effluent Falling Block 1
Banded Tariff: >50 to 250 MI/a	TF2YWS	Trade Effluent Falling Block 2
Banded Tariff: >250 MI/a	TF3YWS	Trade Effluent Falling Block 3

Thank you

For more information contact:

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