



Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

Abstraction Charges Scheme

2017/18



On 1 April 2013 Natural Resources Body for Wales (NRW) brought together the work of the Countryside Council for Wales, Environment Agency Wales and Forestry Commission Wales, as well as some functions of Welsh Government.

The Natural Resources Body for Wales uses the working title 'Natural Resources Wales'.

Our purpose is to ensure that the natural resources of Wales are sustainably maintained, used and enhanced, now and in the future

We will work for the communities of Wales to protect people and their homes as much as possible from environmental incidents like flooding and pollution. We will provide opportunities for them to learn, use and benefit from Wales' natural resources

We will work for Wales' economy and enable the sustainable use of natural resources to support jobs & enterprise. We will help businesses and developers to understand and consider environmental limits when they make important decisions.

We will work to maintain and improve the quality of the environment for everyone. We will work towards making the environment and natural resources more resilient to climate change and other pressures.

Published by:
Natural Resources Wales
Cambria House
29 Newport Road
Cardiff
CF24 0TP
Phone number 0300 065 3000
Email: enquiries@naturalresourceswales.gov.uk
www.naturalresourceswales.gov.uk

© Natural Resources Wales.

All rights reserved. This document may be reproduced with prior permission of Natural Resources Wales

Further copies of this report are available from our Customer Service Centre

Tel: 0300 065 3000

Natural Resources Body for Wales Scheme of Abstraction Charges 2017/18

1. Title and Commencement

1.1 This Scheme of Abstraction Charges ("the Scheme") is made by the Natural Resources Body for Wales (NRW) by virtue of the powers vested in it under sections 41-41c of the Environment Act 1995 and in accordance with section 42 of that Act.

1.2 The Scheme relates to charging periods commencing on or after 1st April 2017. References to financial years are to periods of 12 months commencing 1st April.

1.3 The Scheme shall be referred to as the Natural Resources Body for Wales Scheme of Abstraction Charges.

2. Interpretation

2.1 Except where otherwise indicated, words and phrases have the same meanings as are ascribed in the Water Resources Act 1991 as amended ("the Act").

3. Scope of the Scheme

3.1 The Scheme relates to:

3.1.1 "The Application Charge" as defined in paragraph 4 below.

3.1.2 "The Advertising Administration Charge" as defined in paragraph 5 below

3.1.3 "The Annual Charge" as defined in paragraph 6 below.

3.2 Nothing in the Scheme shall affect any power of NRW to enter into agreement as to charges with particular abstractors, under the provisions of sections 126, 127 or 130 of the Act, or to enter into any other agreement including provision as to the payment of charges in respect of its water resources functions.

3.3 Where NRW enters into an agreement under section 126 or 130 of the Act, any reduction will apply to both the standard charge as set out in paragraph 6.3.1 below and the compensation charge as set out in paragraph 6.3.2 below.

3.4 Where NRW enters into an agreement under section 127 of the Act any reduction will apply in full to both the basic charge as set out in paragraph 2.1 of Schedule 2 below and the supplementary charge as set out in paragraph 2.2 of Schedule 2 below but not to the compensation charge as set out in paragraph 6.3.2 below.

3.5 Where a person requests pre-application advice or engages in pre-application discussions with NRW in relation to a proposed application for a licence to abstract or impound water or for a variation to an existing licence to abstract or impound water, the charge will be £125 for each hour over and above an initial 15 hours for any pre-application advice given or discussions held.

4. The Application Charge

4.1 The Application Charge shall be payable in respect of an application for any licence under the Act to abstract or impound water, or for the variation of the conditions of, any such licence except as provided for in paragraph 4.2. Its amount for the current year of operation of the Scheme is shown in Schedule 3. Its amount for subsequent financial years will be determined in accordance with paragraph 10 below.

4.2 The Application Charge is not payable in respect of any:

4.2.1 transfer of a licence under s59A of the Act;

4.2.2 apportionment of a licence under s59C or s59D of the Act;

4.2.3 variation of a licence to reduce the quantity of water authorised to be abstracted in accordance with section 51(2) and (4) of the Act;

4.2.4 revocation of a licence under section 51(1) of the Act, or

4.2.5 variation of a licence to impose a time limit on that licence under section 51(2) of the Act

5. The Advertising Administration Charge

5.1 The Advertising Administration Charge shall be payable, where applicable, to cover NRW's administration costs in relation to the advertising undertaken by NRW of an application for any licence (except temporary licences) under the Act to abstract or impound water, or for the variation of the conditions of, any such licence except as provided for in paragraph 4.2.3 above.

5.2 The amount of the Advertising Administration Charge for the current year of operation of the Scheme is shown in Schedule 3. Its amount for subsequent financial years will be determined in accordance with paragraph 10 below.

6. The Annual Charge

6.1 The Annual Charge shall be payable in respect of a licence under the Act to abstract water which is for the time being in force, except as provided for in paragraph 6.2 below.

6.2 The Annual Charge is not payable in respect of water authorised to be abstracted:

6.2.1 for direct use in the production of electricity or any other form of power by generating station or apparatus of a capacity of not more than five megawatts; or

6.2.2 from inland waters which NRW or its predecessors has certified as having an average chloride content in excess of 8,000 milligrams per litre;

6.2.3 under a temporary licence; or

6.2.4 under a transfer licence.

6.3 The Annual Charge is made up of two elements, the Standard Charge and the Compensation Charge.

6.3.1 The Standard Charge is the first element of the Annual Charge, through which NRW recovers its costs of managing water abstractions and regulating abstractions, proportional to the impact of that licence on water resources.

6.3.2 The Compensation Charge is the second element of the Annual Charge, which adds an amount to the Standard Charge for the recovery of compensation costs associated with the revocation or variation of licences.

6.4 The Annual Charge is the sum of the Standard Charge and the Compensation Charge which are calculated from:

6.4.1 the Volume as described in paragraph 6.6 below;

6.4.2 the appropriate Charge Factor as determined by reference to paragraph 6.7 below;

6.4.3 the Standard Unit Charge for each Region as described in paragraph 6.8 below, and

6.4.4 the Environmental Improvement Unit Charge as described in paragraph 6.9 below.

6.5 The method of calculation is specified in paragraph 7.1 below.

6.6 Volume

6.6.1 The Volume is the authorised annual quantity specified in the licence. Quantities in gallons are converted to cubic metres by means of the formula:

1 million gallons = 4,546 cubic metres

6.6.2 Where a licence does not specify an authorised annual quantity it shall be calculated by NRW from the rates of abstraction specified in the licence.

6.7 Charge Factor

6.7.1 The Charge Factor is calculated by multiplying together the following weighting factors:

(i) Source Factor as determined by reference to paragraph 6.7.2 below.

(ii) Season Factor as determined by reference to paragraph 6.7.3 below.

(iii) Loss Factor as determined by reference to paragraph 6.7.4 below.

(iv) Adjusted Source Factor as determined by reference to paragraph 6.7.5

below

6.7.2 The Source Factor

(i) The Scheme differentiates between three types of source.

These are:

(a) Unsupported - All sources, including groundwater, which are not included in any of the other categories.

(b) Supported - Those sources or parts of sources specified in Schedule 1.

Amendments to Schedule 1 may be made by NRW from time to time with the approval of the Welsh Ministers.

The Supported Source Factor will also apply to abstraction direct from reservoir storage allocated under agreement to NRW and to other abstractions which may be used by NRW to augment those sources specified in Schedule 1.

The Supported Source Factor will not apply to any licence which permits abstraction from a supported source that contains 'hands off flow' conditions which prevent the abstraction from being made at any time during periods of river support and those conditions cannot affect the magnitude of that support.

(c) Tidal - Those parts of inland waters downstream of the normal tidal limit as marked on the 1:25,000 Ordnance Survey map and those parts of inland waters as may be specified from time to time by NRW with Welsh Government's approval in maps deposited at NRW's principal office, Cambria House.

Abstraction from any part of an inland water which is both a Tidal Source and a Supported Source, as described in paragraph 6.7.2(i)(b) above, shall be regarded as abstraction from a Supported Source.

(ii) Where water is being abstracted under a licence from a source of supply, that part of the licensed abstraction which is dependent on water transferred from another source (the original source) shall be assigned the Source Factor applicable to that original source.

(iii) The Source Factor for each source type is:

Unsupported 1.0

Supported 3.0

Tidal 0.2

6.7.3 The Season Factor

(i) The Season Factor has three categories that are based upon the period of the year during which water is authorised to be abstracted.

Subject to the provisions of paragraph 6.7.3(ii) and 6.7.3(iii) below, these categories are:

(a) Summer - the abstraction is only authorised between 1 April and 31 October inclusive.

(b) Winter - the abstraction is only authorised between 1 November and 31 March inclusive.

(c) All Year - The abstraction is authorised to take place throughout the year, or is not included in either of the above categories.

(ii) Abstraction for spray and trickle irrigation is classed as a Summer abstraction unless

(a) it is from or supported by a pond or reservoir which is off-stream and is filled by a controlled inlet from a source of supply during the winter season only, or

(b) it is from or supported by a pond or reservoir which is on-stream with arrangement prescribed in the licence to discharge or by-pass flows during the Summer season.

In these situations a quantity equivalent to the capacity of the reservoir will be classed as a Winter abstraction and any authorised abstraction in excess of the reservoir capacity will be classed as a Summer abstraction.

The licence holder shall provide such information as NRW may reasonably require to demonstrate that the storage capacity is actually available to the licence holder, otherwise the authorised abstraction will be classed as a Summer abstraction.

(c) it is for anti-frost spraying only, which will be classed as an All Year abstraction.

(iii) Where a licence authorises specified quantities of water to be abstracted during both the Summer and the Winter periods as defined in paragraph 6.7.3(i) above, charges shall be calculated separately in respect of each period, in accordance with the provisions of the Scheme, and aggregated into the Annual Charge.

(iv) The Season Factor for each category is:

Summer 1.6

Winter 0.16

All Year 1.0

6.7.4 The Loss Factor

(i) The Loss Factor relates to the purpose for which the water is authorised to be used by the licence and has four categories. Abstractions are allocated to the four categories as follows:

(a) High Loss

This includes abstractions for:

spray and trickle irrigation; horticultural irrigation; dust suppression and other purposes where, due to evaporation, water after use is not returned either directly or indirectly to any source of supply.

(b) Medium Loss

This includes abstractions for:

public and private water supply; commercial purposes not specified elsewhere; industrial purposes not specified elsewhere; boiler feed; use

as a means of conveying material; bottling and uses which incorporate water in the product; abstraction for agricultural purposes (excluding horticultural irrigation, spray and trickle irrigation, warping, water meadows, wet fencing, fish farms and watercress growing), and anti-frost spraying.

(c) Low Loss

This includes abstractions for:

mineral washing; vegetable washing, and non-evaporative cooling.

(d) Very Low Loss

This includes abstraction for:

power generation of greater than 5 megawatts; amenity pools through flow; hydraulic testing; fish farms, watercress growing; water transfers from any source of supply to water systems operated by navigation, harbour or conservancy authorities; water transfers from one source of supply to another source of supply; dewatering for drainage purposes; wet fencing; water meadows; warping and effluent dilution, and all level dependent flood irrigation systems whether through flow or non-through flow.

(ii) Abstractions for purposes not specified in paragraph 6.7.4(i) above will be regarded as High Loss unless otherwise determined by NRW having regard to information provided by the abstractor.

(iii) The Loss Factor for each category is:

High 1.0

Medium 0.6

Low 0.03

Very Low 0.003

6.7.5 The Adjusted Source Factor

(i) For calculation of the Compensation Charge element of the Annual Charge, the Scheme will only differentiate between tidal and non-tidal sources. Abstraction from any part of an inland water, which has been classified as, either supported or unsupported as described in paragraph 6.7.2(i)(a) and (b) above, shall be regarded as non-tidal. The tidal source factor will still apply to those abstractors with licences authorising abstraction from tidal areas as described in paragraph 6.7.2(i)(c) above.

(ii) The adjusted source factor for each source type is

Non-tidal (supported/unsupported) 1.0

Tidal 0.2

6.8 Standard Unit Charge

The Standard Unit Charge for the current year of operation of the Scheme, for each charging region in Wales, is shown in Schedule 3. The Standard Unit Charge for each region for subsequent years shall be determined in accordance with paragraph 10 below. The Standard Unit Charge is expressed in pounds sterling per thousand cubic metres. The areas contained in each region are those designated by NRW and marked on the Map entitled "Map referred to in the Scheme of Abstraction Charges" as deposited at NRW's principal office, Cambria House, and entitled for that purpose.

6.9 The Environmental Improvement Unit Charge ("EIUC")

The EIUC for the current year of operation of the Scheme for Wales is shown in Schedule 4. **Please note that there is no charge for the current year.** The EIUC for subsequent years shall be determined in accordance with paragraph 10 below. The EIUC is expressed in pounds sterling per thousand cubic metres. The areas contained in each region are the same as those designated by NRW and marked on the map as referred to in paragraph 6.8 above.

7 Method of Calculation

7.1 The Annual Charge is the sum of the Standard Charge and the Compensation Charge and is calculated as follows:

Annual Charge = Standard Charge + Compensation Charge

= $V \times A \times B \times C \times SUC + V \times B \times C \times D \times EIUC$

where V = annual licensed volume ('000 cubic metres)

A = source factor

B = season factor

C = loss factor

D = adjusted source factor

SUC = Standard Unit Charge (£/1000 cubic metres)

EIUC = Environmental Improvement Unit Charge (£/1000 cubic metres)

7.1.1 The Standard Charge is calculated from the Volume, Charge Factor (source, season, and loss factors) and Standard Unit Charge as follows:

(i) the Volume shall be multiplied by the relevant Charge Factor.

(ii) the result of the calculation at 7.1.1(i) shall be multiplied by the Standard Unit Charge for the region.

7.1.2 The Compensation Charge is calculated from the Volume, Charge Factor (season, loss and adjusted source factors), and Environmental Improvement Unit Charge as follows:

(i) the Volume shall be multiplied by the relevant Charge Factor.

(ii) the result of the calculation at 7.1.2(i) shall be multiplied by the Environmental Improvement Unit Charge.

7.1.3 The result of the calculations at 7.1.1(ii) and 7.1.2 (ii) shall be added together to give the total annual charge

7.2. If a licence is held for only part of or varied during the course of a financial year, the sum payable or the varied sum payable, as the case may be, shall be calculated by apportioning the charge for the financial year (or, if less, the period of the year during which water is licensed to be abstracted) proportionately.

Where a licence specifies separate authorised quantities that attract different Charge Factors, the total charge shall be calculated from the separate charges. If the licence does not specify separate annual quantities, the charge shall be calculated using the highest Charge Factor applicable unless NRW has agreed to apportionment of the authorised quantity.

7.3 Calculation of charges in special circumstances:

(i) where the conditions of two or more licences provide that the aggregate quantity of water, which may be abstracted, is less than the sum of the quantities authorised by each licence, the Annual Charge will be based on the aggregate quantity. The Annual Charge in such cases will be the highest charge that may be calculated from the individual licence or licences, which authorise the aggregate quantity.

(ii) the holder of, or applicant for, a licence authorising abstraction for the purpose of spray or trickle irrigation may apply to NRW for the Annual Charge to be calculated by reference to Schedule 2 to the Scheme.

(iii) where the full quantity of a licence has been traded for a period of over 28 days then the seller's licence will be exempt from annual charges for the duration of the trade. If the buyer revokes the licence granted to them as part of the trade prior to the end of the trade period, then the seller's licence will no longer be exempt from annual charges and the seller will be liable for payment of charges from the date of revocation.

8 Minimum charge

8.1 In any case where the calculated annual Charge in respect of each licence is less than the Minimum Charge the sum payable shall be the Minimum Charge.

8.2 If a licence is held for only part of, or varied during the course of, a financial year, the sum payable in respect of that licence in that year, or as the case may be in the remainder of that year, shall be no less than the Minimum Charge.

8.3 The Minimum Charge for the current year of operation of the Scheme is shown in Schedule 3. The Minimum Charge for subsequent years shall be determined in accordance with paragraph 10 below.

9 Payment of Charges

9.1 The Application Charge:

9.1.1 the Application Charge is payable by the person who applies for any licence under the Act or for the variation of any such licence, except as provided for in paragraph 4.2 above.

9.1.2 the charge shall be due on the date of application for a licence, or for the variation of any such licence.

9.2 The Advertising Administration Charge

9.2.1 the Advertising Administration Charge is payable by the person who applies for any licence under the Act or for the variation of any such licence, which is subject to advertising

9.2.2 the charge shall be due on receipt of acknowledgement of the application for a licence, or for the variation of any such licence and confirmation by NRW that advertising is required.

9.3 The Annual Charge:

9.3.1 the charge prescribed by the Scheme shall be payable by the holder of a current licence to abstract water.

9.3.2 the charge in respect of any financial year shall be due on the 1st April, or,

(i) in the case of a licence being granted during that financial year on the date on which the licence is granted, or,

(ii) in the case of a licence being varied, any modified charge or refund as appropriate shall be due on the date on which the licence is varied, or

(iii) in the case of the licence being transferred to a transferee by virtue of sections 59A-C of the Act, or in the circumstances provided for under Regulations made under s59D of the Act, as amended, the charges shall be due on the date the transferee becomes the holder of the licence.

9.3.3 When an application has been made for special charges in the circumstances set out in Schedule 2, the charges shall be as follows:

(i) the basic charge in respect of any financial year shall be due on the 1st April, or as otherwise specified in paragraph 9.3.2 above.

(ii) the supplementary charge shall be due on demand.

10 Fixing of charges

10.1 Any charge for periods subsequent to the first year of operation of this Scheme shall be amounts determined in relation to each financial year by NRW, with the approval of Welsh Ministers as provided for by section 42 of the Environment Act 1995.

11 Decisions under the Scheme

11.1 Where under the Scheme provision is made for anything to be recognised, assessed, agreed, determined, certified or otherwise decided by NRW such decisions may be given on its behalf and certified as having been given by the Chief Executive or any officer nominated by her or him for the purpose.

Supported Sources Schedule 1

The following are regarded as Supported Sources for the purposes of the Scheme.

Source of Supply	National Grid References	
	Upstream limit	Downstream limit(s)
Aled	SH 915 599	SH 957 703
Clwyd	SJ 122 593	SJ 057 721
Alwen	SH 974 527	SJ 061 425
Brenig	SH 974 539	SH 974 527
Dee	SH 929 351	SJ 408 658
Tryweryn	SH 881 399	SH 933 354
Cwmystradllyn	SH 558 440	SH 515 428
Dwyfawr	SH 515 428	SH 508 430
Tywi	SN 791 485	SN 487 204
Elan	SN 924 644	SN 966 656
Wye	SN 966 656	SO 516 131
Clywedog	SN 912 870	SN954 847 within Severn SUC
Severn	SN 954 847	SO 822 182 within Severn SUC

Special Charges in Respect of Spray and Trickle Irrigation Schedule 2

1. This Schedule applies only to licences authorising spray or trickle irrigation.
2. Where the licence holder measures the quantity of water abstracted by means of an approved water meter, installed and maintained to the satisfaction of NRW, and submits to NRW within 28 days of a written request, daily meter readings (or such other frequency agreed in writing by NRW) of the quantities of water abstracted and details of pumping and irrigation equipment, the Standard Charge shall be calculated as follows:
 - 2.1 a basic charge of 50% of the sum payable calculated by the Scheme where the Volume is taken to be the annual quantity authorised by the licence to be used solely for the purpose of spray or trickle irrigation, plus
 - 2.2 a supplementary charge of 50% of the sum payable calculated by the Scheme where the Volume is taken to be the total quantity actually abstracted during the year for the purpose of spray or trickle irrigation.
3. If the licence holder fails to comply with the conditions specified above, the Annual Charge will be that calculated by reference to paragraphs 6.1 to 6.9 of the Scheme and no abatement will be made.
4. Where the conditions of two or more licences provide that the aggregate quantity of water which may be abstracted for the purposes of spray or trickle irrigation is less than the sum of the quantities authorised by each licence, the basic charge will be 50% of the sum payable, calculated in accordance with paragraph 7.3(i) of the Scheme and the supplementary charge for each licence will be 50% of the sum payable in accordance with the Scheme, where the Volume is taken to be the quantity actually abstracted under that licence.
5. In any case where the calculated charge is less than the Minimum Charge, the sum payable shall be the Minimum Charge.

Water Abstraction Charges for the year commencing 1 April 2017 Schedule 3.

The rates of charge for the year commencing 1st April 2017 are as follows:

The rates of charge for the year commencing 1 April 2017 are as follows:	2017/2018 Standard Unit Charge (£/1000m ³)
Wales (excl. Severn catchment)	14.40
Severn catchment	14.95

The Minimum Annual Charge is £25.00

The Lower Application Charge is £135.00

The Higher Application Fee is £1,500.00 and is applicable to applications exempted from the Annual Charge under section 6. (This includes impoundment licences, temporary and transfer licences). It is also applicable to abstractions for hydroelectric power generation with installed capacity of less than 5mW but greater than 100kW. For hydropower schemes with capacity of 100kW or less the following application fees apply:

Note: the regional charging areas shown in this table are those marked on the map referred to in paragraph 6.8 of the Scheme of Abstraction Charges and not NRW's current organisational boundary.

Scheme Capacity	2017/18 Application Fee (£)
25kW or less	375
>25 to 50kW	750
>50 to 100kW	1,125
>100kW	1,500

Joint Applications

Where applications for an abstraction licence and an impoundment licence for associated activities are jointly submitted, a single application fee will be charged in accordance with the charging scheme above. (For example if an application for an abstraction licence and an impoundment licence for a 20kW hydropower scheme is submitted, the total application charge will be £375 as shown in the table).

The Advertising Administration Charge is £100.00

Note: if the Annual Charge payable under the Scheme is not paid within twenty-eight days after a notice in writing demanding payment has been served on the holder of the licence, then NRW may revoke the licence in accordance with the provisions of section 41(6) of the Environment Act 1995.

The Environmental Improvement Unit Charge Schedule 4

The rates of charge for the year commencing 1st April 2017 are as follows:	2017/2018 Non Water Undertaker Environmental Improvement Unit Charge (£/1000m ³)	2017/2018 Water Undertaker Environmental Improvement Unit Charge (£/1000m ³)
Wales (excl. Severn catchment)	0.00	0.00
Severn catchment	0.00	0.00