



Maximum prices for water and
wastewater services supplied by
Essential Energy in Broken Hill

Final Determination

November 2022

Water >>

Tribunal Members

The Tribunal members for this review are:

Carmel Donnelly PSM, Chair
Deborah Cope
Sandra Gamble

Enquiries regarding this document should be directed to a staff member:

Matthew Mansell

(02) 9113 7770

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Part 1 Preliminary

1 Scope of this determination

This determination fixes the maximum prices, or sets methodologies for fixing the maximum prices, that Essential Energy may levy for the following services:

- (1) Water Supply Services;
 - (2) Wastewater Services;
 - (3) Trade Waste Services; and
 - (4) Miscellaneous Customer Services,
- (together, the **Monopoly Services**).

2 Commencement and term of this determination

- (1) This determination commences on the later of:
 - (a) 1 January 2023; and
 - (b) the date that it is published in the NSW Government Gazette,
(Commencement Date).
- (2) The maximum prices under this determination apply from the Commencement Date to 30 June 2026.
- (3) The maximum prices under this determination prevailing at 30 June 2026 continue to apply beyond 30 June 2026 until this determination is revoked or replaced.

[Note: For the avoidance of doubt, the effect of clause 2 is that this determination will apply in respect of the Monopoly Services supplied on or after the Commencement Date, and the 2019 Determination will apply in respect of Monopoly Services supplied prior to the Commencement Date and within the term of the 2019 Determination.]

3 Replacement of the 2019 Determination

This determination replaces the 2019 Determination.

4 Maximum prices

The parts of this determination listed in Table 1 set out the maximum prices that Essential Energy may levy for supplying the Monopoly Services.

Table 1 Maximum prices

Part	Monopoly Services to which the part applies	Summary of maximum prices
Part 2	Water Supply Services	The maximum price that Essential Energy may levy for supplying the Water Supply Services to: <ol style="list-style-type: none"> (a) a Property that is connected to the Water Supply System - comprises a water service charge and a water usage charge;

Part	Monopoly Services to which the part applies	Summary of maximum prices
		<p>(b) EW Pipeline Property means a Property which may access Untreated Water from the Menindee Pipeline or the Umberumberka Pipeline (or, in the event that the Menindee Pipeline is decommissioned, could access Untreated Water from the Menindee Pipeline immediately prior to it being decommissioned).</p> <p>(c) Exempt Land - comprises a water usage charge; and</p> <p>(d) an Unconnected Property - is zero.</p>
Part 3	Wastewater Services	<p>The maximum price that Essential Energy may levy for supplying Wastewater Services to:</p> <p>(a) a Property that is connected to the Wastewater System (except those Properties listed in subclause (b)) - comprises a wastewater service charge and a wastewater usage charge;</p> <p>(b) a Residential Property, Non-Residential Property served by one or more Common Meters in a Mixed Multi-Premises and an Unmetered Property - comprises a wastewater service charge;</p> <p>(c) EW Pipeline Property means a Property which may access Untreated Water from the Menindee Pipeline or the Umberumberka Pipeline (or, in the event that the Menindee Pipeline is decommissioned, could access Untreated Water from the Menindee Pipeline immediately prior to it being decommissioned).</p> <p>(d) Exempt Land - comprises a wastewater usage charge; and</p> <p>(e) an Unconnected Property - is zero.</p>
Part 4	Trade Waste Services	<p>Sets out the maximum price that Essential Energy may levy for supplying the following categories of Trade Waste Services:</p> <p>(a) Category 1 Trade Waste Discharge;</p> <p>(b) Category 1a Trade Waste Discharge;</p> <p>(c) Category 2 Trade Waste Discharge; and</p> <p>(d) Category 3 Trade Waste Discharge.</p>
Part 5	Miscellaneous Customer Services	<p>Sets out the maximum price that Essential Energy may levy for supplying the Miscellaneous Customer Services listed in Table 13.</p>

5 Legislative background

5.1 IPART may set maximum prices for government monopoly services supplied by specified government agencies

Section 11(1)(a) of the IPART Act provides IPART with a standing reference for the determination of prices for government monopoly services supplied by a government agency specified in Schedule 1 to the IPART Act. Section 13A of the IPART Act provides that in making a pricing determination for a government monopoly service, IPART may either fix a maximum price or set a methodology for fixing a maximum price.

5.2 The Monopoly Services are government monopoly services

- (1) The Monopoly Services are government monopoly services because they fall within the scope of the Order.

- (2) The Order applies to Essential Energy by operation of section 53(1)(b) of the *Interpretation Act 1987* (NSW). In March 2011, Country Energy changed its name to Essential Energy under the *Energy Services Corporations Amendment (Change of Name) Regulation 2011* (NSW).

5.3 Essential Energy is specified in Schedule 1 to the IPART Act

IPART has a standing reference to set maximum prices for Essential Energy because Schedule 1 to the IPART Act specifies that Essential Energy is a government agency.

5.4 IPART has set methodologies to fix maximum prices for certain services

This determination fixes the maximum price for some services and sets a methodology for fixing the maximum price for other services. IPART's reasons for setting a methodology for fixing some maximum prices are set out in Part 6.

Part 2 Water Supply Services

6 Application of this part

- (1) This part sets out the maximum prices that Essential Energy may levy for supplying Water Supply Services to a Property.
- (2) Except for the charges in clause 7(2), the charges in this part apply in respect of Properties that are connected to the Water Supply System.

7 Maximum prices for Water Supply Services

- (1) The maximum price that Essential Energy may levy for supplying Water Supply Services to a Property (other than Properties which are dealt with in clause 7(2)) for the applicable Period, is the amount calculated using the formula in Box 1.

Box 1 Maximum prices for supplying Water Supply Services to a Property (other than an Unconnected Property)

$$MP_{WSS} = SC_{WSS} + UC_{WSS}$$

Where:

MP_{WSS} means the maximum price that Essential Energy may levy for supplying Water Supply Services to a Property (other than an Unconnected Property) for the applicable Period;

SC_{WSS} means the water service charge calculated in accordance with clause 8; and

UC_{WSS} means the water usage charge calculated in accordance with clause 9.

- (2) The maximum price that Essential Energy may levy for supplying Water Supply Services to:
 - (a) an Unconnected Property - is zero; and
 - (b) EW Pipeline **Property** means a Property which may access Untreated Water from the Menindee Pipeline or the Umberumberka Pipeline (or, in the event that the Menindee Pipeline is decommissioned, could access Untreated Water from the Menindee Pipeline immediately prior to it being decommissioned).
 - (c) **Exempt Land** - is the water usage charge for the applicable Period, calculated in accordance with clause 9.

8 Water service charge

8.1 Standard water service charge

Subject to clauses 8.2 and 8.3, the water service charge applicable to a Property (including a New Mining Customer Property but excluding a Mining Customer Property dealt with in clause 8.4) for the applicable Period is the sum of the water service charges in Table 2 for the applicable Meter size and applicable Period for each Meter that serves the Property.

[Note: clause 8.2 deems certain Properties to be served by a single 20mm Individual Meter, clause 8.3 apportions the water supply service charge between Properties that are served by one or more Common Meters and clause 8.4 sets a different water service charge for certain Mining Customer Properties.]

8.2 Certain Properties are deemed to have a single 20mm Individual Meter

For the purpose of clause 8.1, the following Properties are deemed to be served by a single 20mm Individual Meter:

- (1) each Residential Property;
- (2) each Non-Residential Property that is not an EW Pipeline Property or Mining Customer Property, is in a Mixed Multi-Premises and is served by one or more Common Meters; and
- (3) each Unmetered Property.

[Note: A Non-Residential Property in a Multi-Premises that has an Individual Meter downstream of a Common Meter is served by that Individual Meter and not by the Common Meter, meaning the standard water service charge in clause 8.1 will apply to such a Property. See clause 20.5.]

8.3 Apportionment of water service charges between Properties served by one or more Common Meters

- (1) This clause applies to a Property that is:
 - (a) served by one or more Common Meters;
 - (b) not an EW Pipeline Property or Mining Customer Property; and
 - (c) not deemed to be served by a single 20mm Individual Meter under clause 8.2.

[Note: A Non-Residential Property in a Multi-Premises that has an Individual Meter downstream of a Common Meter is served by that Individual Meter and not by the Common Meter, meaning this clause 8.3 will not apply to such a Property. See clause 20.5(2).]

- (2) Subject to clause 8.3(3), the water service charge for each Common Meter that serves a Property to which this clause applies is:
 - (a) the water service charge for the Common Meter calculated in accordance with clause 8.1; less
 - (b) the sum of any water service charges applicable to any Individual Meters that are downstream of the Common Meter.
- (3) Where, but for this clause 8.3(3), the application of clause 8.3(2) would result in a negative water service charge for the Common Meter, the water service charge applicable to the Properties served by the Common Meter is \$0.
- (4) Where clause 8.3(3) does not apply, the water service charge applicable to a Property to which this clause 8.3 applies is a portion, as reasonably determined by Essential Energy, of the total water service charges for each Common Meter that serves the Property as calculated in accordance with this part.

- (5) The portion referred to in clause 8.3(4) must be determined by Essential Energy such that the sum of the portions for the Properties served by the Common Meter or Common Meters does not exceed the total water service charges for that Common Meter or those Common Meters.

[Note: clause 8.3(2) must be taken into account when considering the service charges for any Common Meters for the purposes of clauses 8.3(4) and 8.3(5).]

[Note: See clause 20.6(1)(c), including relevant note.]

8.4 Water service charge for certain Mining Customer Properties

The relevant water service charge in Table 3 for the applicable Period applies to each of the following Properties with one or more Individual Meters:

- (1) Perilya Broken Hill Mining Customer Property; and
- (2) CBH Resources Mining Customer Property,

9 Water usage charge

9.1 Standard water usage charge

The water usage charge applicable to a Property (except an EW Pipeline Property which is dealt with in clause 9.2) for the applicable Period, is the amount calculated using the formula in Box 2.

Box 2 Standard water usage charge

$$UC_{WSS} = [C_W \times V_W] + [C_{CW} \times V_{CW}] + [C_{UW} \times V_{UW}]$$

Where:

UC_{WSS} means the water usage charge applicable to a Property (other than an EW Pipeline Property) for the applicable Period;

C_W means the charge per kL of Treated Water in Table 4 for the applicable Period;

V_W means the volume (in kL) of Treated Water supplied to the Property in the applicable Period calculated in accordance with clause 9.3 or clause 9.4, as the case may be;

C_{CW} means the charge per kL of Chlorinated Water in Table 4 for the applicable Period;

V_{CW} means the volume (in kL) of Chlorinated Water supplied to the Property in the applicable Period calculated in accordance with clause 9.3 or clause 9.4, as the case may be;

C_{UW} means the charge per kL of Untreated Water for Residential Properties and Non-Residential Properties in Table 4 for the applicable Period;

V_{UW} means the volume (in kL) of Untreated Water supplied to the Residential Property or Non-Residential Property, as the case may be, in the applicable Period calculated in accordance with clause 9.3 or clause 9.4, as the case may be.

9.2 Water usage charge for EW Pipeline Properties

The water usage charge applicable to an EW Pipeline Property for the applicable Period, is the amount calculated using the formula in Box 3.

Box 3 Water usage charge for EW Pipeline Properties

$$UC_{WSS1} = C_{UWOP} \times V_{UWOP}$$

Where:

UC_{WSS1} means the water usage charge applicable to an EW Pipeline Property for the applicable Period;

C_{UWOP} means the charge per kL of Untreated Water for EW Pipeline Properties in Table 4 for the applicable Period;

V_{UWOP} means the volume (in kL) of Untreated Water supplied to the EW Pipeline Property in the applicable Period calculated in accordance with clause 9.3 or clause 9.4, as the case may be.

9.3 Measuring volume for Properties served by one or more Individual Meters and Unmetered Properties

- (1) The volume of each type of water supplied to a Property served by one or more Individual Meters is the volume (in kL) measured by that Meter or Meters.

[Note: If a Meter Reading Period traverses two Periods, then the water usage charge is to be pro-rated in accordance with clause 20.6(3).]

- (2) The volume of each type of water supplied to an Unmetered Property, is taken to be 300kL for the applicable Period.

9.4 Measuring volume for Properties served by one or more Common Meters

- (1) Subject to clause 9.4(3), the volume of each type of water measured by any Common Meters that serve a Non-Residential Property is:
 - (a) the volume of that type of water as measured by the Common Meter or Common Meters; less
 - (b) the volume of that type of water measured by any Individual Meters that are downstream of the Common Meter or Common Meters.

[Note: If a Meter Reading Period traverses two Periods, then the water usage charge is to be pro-rated in accordance with clause 20.6(3).]

- (2) The volume of each type of water supplied to a Residential Property that is served by one or more Common Meters is the volume (in kL) measured by that Meter or Meters.
- (3) Where, but for this clause 9.4(3), the application of clause 9.4(1) would result in a negative volume measured by the Common Meter, the volume applicable to any Non-Residential Properties served by the Common Meter is 0kL.
- (4) Where clause 9.4(3) does not apply, the volume of each type of water supplied to a Property that is served by one or more Common Meters, is a portion, as reasonably determined by Essential Energy, of the volume measured by the Common Meter or Common Meters that serve the Property.
- (5) The portion referred to in clause 9.4(4) must be determined by Essential Energy such that the sum of the portions for the Properties served by the Common Meter or Common Meters, does not exceed the volume measured by that Common Meter or those Common Meters.

[Note: See clause 20.6(1)(c), including relevant note.]

[Note: Non-Residential Property in a Multi-Premises that has an Individual Meter downstream of a Common Meter is served by that Individual Meter and not by the Common Meter, meaning clause 9.3 determines the volume of water supplied to such Property. See clause 20.5(2).]

[Note: clause 9.4(1) must be taken into account when considering the volume measured by any Common Meters serving a Non-Residential Property for the purposes of clauses 9.4(4) and 9.4(5). For the avoidance of doubt, clauses 9.4(4) and 9.4(5) also apply to Residential Properties served by one or more Common Meters.]

Tables 2-4

Table 2 Water service charges for Meters servicing Properties (except for Properties referred to in clause 8.4)

Meter size	1 July 2022 to 30 June 2023 (\$ per year)	1 July 2023 to 30 June 2024 (\$ per year)	1 July 2024 to 30 June 2025 (\$ per year)	1 July 2025 to 30 June 2026 (\$ per year)
20mm	360.38	360.38 x CPI ₁	360.38 x CPI ₂	360.38 x CPI ₃
25mm	563.09	563.09 x CPI ₁	563.09 x CPI ₂	563.09 x CPI ₃
40mm	1,441.51	1,441.51 x CPI ₁	1,441.51 x CPI ₂	1,441.51 x CPI ₃
50mm	2,252.36	2,252.36 x CPI ₁	2,252.36 x CPI ₂	2,252.36 x CPI ₃
80mm	5,766.04	5,766.04 x CPI ₁	5,766.04 x CPI ₂	5,766.04 x CPI ₃
100mm	9,009.43	9,009.43 x CPI ₁	9,009.43 x CPI ₂	9,009.43 x CPI ₃
150mm	20,271.23	20,271.23 x CPI ₁	20,271.23 x CPI ₂	20,271.23 x CPI ₃
Other Meter sizes	$(\text{Meter size})^2 \times (20\text{mm wastewater service charge for the applicable Period})$			
	400			

[Note: The water service charge is an annual charge. If it is being levied for any period that is less than a full financial year then it is to be pro-rated in accordance with clause 20.6(2).]

Table 3 Water service charges for Properties referred to in clause 8.4

	1 July 2022 to 30 June 2023 (\$ per year)	1 July 2023 to 30 June 2024 (\$ per year)	1 July 2024 to 30 June 2025 (\$ per year)	1 July 2025 to 30 June 2026 (\$ per year)
Perilya Broken Hill Mining Customer Property	2,531,290	2,531,290 x CPI ₁	2,531,290 x CPI ₂	2,531,290 x CPI ₃
CBH Resources Mining Customer Property	610,583	610,583 x CPI ₁	610,583 x CPI ₂	610,583 x CPI ₃

[Note: The water service charge is an annual charge. If it is being levied for any period that is less than a full financial year then it is to be pro-rated in accordance with clause 20.6(2).]

Table 4 Water usage charges

	1 July 2022 to 30 June 2023 (\$ per kL)	1 July 2023 to 30 June 2024 (\$ per kL)	1 July 2024 to 30 June 2025 (\$ per kL)	1 July 2025 to 30 June 2026 (\$ per kL)
Treated Water	1.98	1.98 x CPI ₁	1.98 x CPI ₂	1.98 x CPI ₃
Chlorinated Water	1.54	1.60 x CPI ₁	1.67 x CPI ₂	1.73 x CPI ₃
Untreated Water for Residential Properties and Non-Residential Properties	1.73	1.73 x CPI ₁	1.73 x CPI ₂	1.73 x CPI ₃
Untreated Water for EW Pipeline Property	1.20	1.29 x CPI ₁	1.38 x CPI ₂	1.47 x CPI ₃

Part 3 Wastewater Services

10 Application of this part

- (1) This part sets out the maximum prices that Essential Energy may levy for supplying Wastewater Services to a Property.
- (2) Except for the maximum prices in clause 11(2)(a) and 11(2)(c), the maximum prices in this part apply in respect of Properties that are connected to the Wastewater System.

11 Maximum prices for Wastewater Services

- (1) The maximum price that Essential Energy may levy for supplying Wastewater Services to a Property (other than Properties that are dealt with in clause 11(2)) for the applicable Period is the amount calculated in accordance with Box 4.

Box 4 Maximum prices for Wastewater Services supplied to a Property (other than those dealt with in clause 11(2))

$$MP_{wws} = SC_{wws} + UC_{wws}$$

Where:

MP_{wws} means the maximum price that Essential Energy may levy for supplying Wastewater Services to a Property (other than Properties that are dealt with in clause 11(2)) for the applicable Period.

SC_{wws} means the wastewater service charge calculated in accordance with clause 12;

UC_{wws} means the wastewater usage charge calculated in accordance with clause 13.

- (2) The maximum price that Essential Energy may levy for supplying Wastewater Services to:
 - (a) an Unconnected Property - is zero;
 - (b) A Residential Property, Non-Residential Property served by one or more Common Meters in a Mixed Multi-Premises or an Unmetered Property - is the wastewater service charge for the applicable Period calculated in accordance with clause 12.1(1); and
 - (c) EW Pipeline **Property** means a Property which may access Untreated Water from the Menindee Pipeline or the Umberumberka Pipeline (or, in the event that the Menindee Pipeline is decommissioned, could access Untreated Water from the Menindee Pipeline immediately prior to it being decommissioned).
 - (d) **Exempt Land** - is the wastewater usage charge for the applicable Period, calculated in accordance with clause 13.

[Note: Non-Residential Property in a Multi-Premises that has an Individual Meter downstream of a Common Meter is served by that Individual Meter and not by the Common Meter, and is to be treated as a Metered Non-Residential Property. See clause 20.5(2).]

12 Wastewater service charge

12.1 Wastewater service charge for Properties other than those served by one or more Common Meters in a Non-Residential Multi-Premises

The wastewater service charge that applies to a:

- (1) Residential Property; Non-Residential Property served by one or more Common Meters in a Mixed Multi-Premises; or Unmetered Property is the charge in Table 5 for the applicable Period.
- (2) Metered Non-Residential Property (other than a Mining Customer Property) is the sum of the applicable wastewater service charges in Table 6 for the applicable Period and applicable Meter size for each Individual Meter that serves the Property, multiplied by the Discharge Factor for that Property.
- (3) Mining Customer Property with one or more Individual Meters is the wastewater service charge in Table 6 for a single 100mm Meter for the applicable Period.

[Note: The Discharge Factor for a Mining Customer Property is 100%.]

12.2 Wastewater service charge for a Property served by one or more Common Meters in a Non-Residential Multi-Premises

- (1) Subject to clause 12.2(2), the wastewater service charge for each Common Meter that serves a Property in a Non-Residential Multi-Premises is:
 - (a) the total applicable wastewater service charges in Table 6 for the applicable Period and applicable Meter size for each Common Meter that serves the Property, less the wastewater service charges for any Individual Meters that are downstream of any Common Meters serving the Property; multiplied by
 - (b) the Discharge Factor for the Multi-Premises.
- (2) Where, but for this clause 12.2(2), the application of clause 12.2(1) would result in a negative wastewater service charge for any Common Meter, the wastewater service charge applicable to the Properties served by the Common Meter is \$0.
- (3) Where clause 12.2(2) does not apply, the wastewater service charge applicable to a Property served by a Common Meter in a Non-Residential Multi-Premises is a portion, as reasonably determined by Essential Energy, of the total wastewater service charges for each Common Meter that serves the Property as calculated in accordance with this part.
- (4) The portion referred to in clause 12.2(3) must be determined by Essential Energy such that the sum of the portions for the Properties served by the Common Meter or Common Meters does not exceed the total wastewater service charges for the Common Meter or Common Meters.

[Note: See clause 20.6(1)(c), including relevant note.]

[Note: A Non-Residential Property in a Multi-Premises that has an Individual Meter downstream of a Common Meter is served by that Individual Meter and not by the Common Meter, and is to be treated as a Metered Non-Residential Property, meaning the wastewater service charge for such a Property is dealt with under clause 12.1(2). See clause 20.5(2).]

[Note: clause 12.2(1) must be taken into account when considering the service charges for any Common Meters serving a Non-Residential Property for the purposes of clauses 12.2(3) and 12.2(4).]

13 Wastewater usage charge

13.1 Wastewater usage charge

The wastewater usage charge applicable to a Property for the applicable Period, is the amount calculated using the formula in Box 5.

Box 5 Wastewater usage charge

$$UC_{wws} = C_{wws} \times V_{wws} \times DF_{wws}$$

Where:

UC_{wws} means the maximum wastewater usage charge applicable to a Property for the applicable Period;

C_{wws} means the charge per kL of water in Table 7 for the applicable Period;

V_{wws} means the total volume (in kL) of water (Treated Water, Chlorinated Water, and Untreated Water, as applicable) supplied by Essential Energy to:

- (a) a Property served by one or more Individual Meters, as measured by those Individual Meters; or
- (b) a Property served by one or more Common Meters in a Non-Residential Multi-Premises, as calculated in accordance with clause 13.2, as the case may be; and

DF_{wws} means the applicable Discharge Factor for the Property.

[Note: If a Meter Reading Period traverses two Periods, then the relevant charge is to be pro-rated in accordance with clause 20.6(3).]

13.2 Measuring volume for Properties served by one or more Common Meters in a Non-Residential Multi-Premises

- (1) Subject to clause 13.2(2), the total volume of water measured by any Common Meters that serve a Property in a Non-Residential Multi-Premises is:
 - (a) the total volume (in kL) of water (Treated Water, Chlorinated Water, and Untreated Water, as applicable) as measured by the Common Meter or Common Meters; less
 - (b) the total volume (in kL) of water (Treated Water, Chlorinated Water, and Untreated Water, as applicable) as measured by any Individual Meters that are downstream of the Common Meter or Common Meters.
- (2) Where, but for this clause 13.2(2), the application of clause 13.2(1) would result in a negative volume measured by the Common Meter, the volume applicable to the Properties served by the Common Meter is 0kL.
- (3) Where clause 13.2(2) does not apply, the volume of each type of water supplied to a Property that is served by one or more Common Meters in a Non-Residential Multi-

Premises, is a portion, as reasonably determined by Essential Energy, of the volume measured by the Common Meter or Common Meters that serve the Property.

- (4) The portion referred to in clause 13.2(3) must be determined by Essential Energy such that the sum of the portions for the Properties served by the Common Meter or Common Meters, does not exceed the volume measured by the Common Meter or Common Meters.

[Note: See clause 20.6(1)(c), including relevant note.]

[Note: A Non-Residential Property in a Multi-Premises that has an Individual Meter downstream of a Common Meter is served by that Individual Meter and not by the Common Meter. See clause 20.5(2).]

[Note: clause 13.2(1) must be taken into account when considering the volume measured by any Common Meters serving a Non-Residential Property for the purposes of clauses 13.2(3) and 13.2(4).]

Tables 5 – 7

Table 5 Wastewater service charges for a Residential Property; Non-Residential Property served by one or more Common Meters in a Mixed Multi-Premises and an Unmetered Property

Charge	1 July 2022 to 30 June 2023 (\$ per year)	1 July 2023 to 30 June 2024 (\$ per year)	1 July 2024 to 30 June 2025 (\$ per year)	1 July 2025 to 30 June 2026 (\$ per year)
Wastewater service charge	574.23	574.23 x CPI ₁	574.23 x CPI ₂	574.23 x CPI ₃

[Note: The wastewater service charge set out in Table 5 includes a deemed usage component.]

[Note: The wastewater service charge is an annual charge. If it is being levied for any period that is less than a full financial year then it is to be pro-rated in accordance with clause 20.6(2).]

Table 6 Wastewater service charges for each Individual Meter serving a Metered Non-Residential Property (including a Mining Customer Property) and each Common Meter serving a Property in a Non-Residential Multi-Premises

Meter size	1 July 2022 to 30 June 2023 (\$ per year)	1 July 2023 to 30 June 2024 (\$ per year)	1 July 2024 to 30 June 2025 (\$ per year)	1 July 2025 to 30 June 2026 (\$ per year)
20mm	639.26	639.26 x CPI ₁	639.26 x CPI ₂	639.26 x CPI ₃
25mm	998.84	998.84 x CPI ₁	998.84 x CPI ₂	998.84 x CPI ₃
40mm	2,557.04	2,557.04 x CPI ₁	2,557.04 x CPI ₂	2,557.04 x CPI ₃
50mm	3,995.38	3,995.38 x CPI ₁	3,995.38 x CPI ₂	3,995.38 x CPI ₃
80mm	10,228.16	10,228.16 x CPI ₁	10,228.16 x CPI ₂	10,228.16 x CPI ₃
100mm	15,981.50	15,981.50 x CPI ₁	15,981.50 x CPI ₂	15,981.50 x CPI ₃
150mm	35,958.39	35,958.39 x CPI ₁	35,958.39 x CPI ₂	35,958.39 x CPI ₃
Other Meter sizes	$\frac{(\text{Meter size})^2 \times (20\text{mm wastewater service charge for the applicable Period})}{400}$			

[Note: The prices in Table 6 assume the application of a Discharge Factor of 100%. The relevant Discharge Factor may vary from case to case as determined by Essential Energy for the relevant Property.]

[Note: The wastewater service charge is an annual charge. If it is being levied for any period that is less than a full financial year then it is to be pro-rated in accordance with clause 20.6(2).]

Table 7 Wastewater usage charges

Charge	1 July 2022 to 30 June 2023 (\$ per kL)	1 July 2023 to 30 June 2024 (\$ per kL)	1 July 2024 to 30 June 2025 (\$ per kL)	1 July 2025 to 30 June 2026 (\$ per kL)
Wastewater usage charge	1.41	1.41 x CPI ₁	1.41 x CPI ₂	1.41 x CPI ₃

Part 4 Trade Waste Services

14 Application of this part

This part sets out the maximum prices that Essential Energy may levy for the following categories of Trade Waste Services:

- (1) Category 1 Trade Waste Discharge;
- (2) Category 1a Trade Waste Discharge;
- (3) Category 2 Trade Waste Discharge; and
- (4) Category 3 Trade Waste Discharge.

15 Maximum prices for Trade Waste Services

15.1 Category 1 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 1 Trade Waste Discharge for the applicable Period is the amount calculated using the formula in Box 6.

Box 6 Maximum price for Category 1 Trade Waste Discharge

$$TW_1 = C_1 + A_1 + T_1 + (TN_1 \times TNV_1)$$

Where:

TW_1 means the maximum price for Category 1 Trade Waste Discharge for the applicable Period;

C_1 means the applicable annual Trade Waste fee in Table 8 for the relevant Period;

A_1 means the Trade Waste discharge application fee in Table 8 for the relevant Period (applies per application to discharge Trade Waste into the Wastewater System);

T_1 means the Trade Waste reinspection fees in Table 8 for the relevant Period (applies per reinspection);

TN_1 means the total non-compliant Trade Waste usage charges in Table 8 for the relevant Period (applies where appropriate pre-treatment equipment has not been installed or maintained as reasonably determined by Essential Energy); and

TNV_1 means the total volume (in kL) of non-compliant Trade Waste usage.

15.2 Category 1a Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 1a Trade Waste Discharge for the applicable Period is the amount calculated using the formula in Box 7.

Box 7 Maximum price for Category 1a Trade Waste Discharge

$$TW_{1A} = C_{1A} + A_{1A} + T_{1A} + (TN_{1A} \times TNV_{1A})$$

Where:

TW_{1A} means the maximum price that Essential Energy may levy for Category 1a Trade Waste Discharge for the applicable Period;

C_{1A} means the applicable annual Trade Waste fee in Table 9 for the relevant Period;

A_{1A} means the Trade Waste discharge application fee in Table 9 for the relevant Period (applies per application to discharge Trade Waste into the Wastewater System);

T_{1A} means the Trade Waste reinspection fees in Table 9 for the relevant Period (applies per reinspection);

TN_{1A} means the total non-compliant Trade Waste usage charges in Table 9 for the relevant Period (applies where appropriate pre-treatment equipment has not been installed or maintained as reasonably determined by Essential Energy); and

TNV_{1A} means the total volume (in kL) of non-compliant Trade Waste usage.

15.3 Category 2 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 2 Trade Waste Discharge for the applicable Period is the amount calculated using the formula in Box 8.

Box 8 Maximum price for Category 2 Trade Waste Discharge

$$TW_2 = C_2 + A_2 + T_2 + (TN_2 \times TNV_2) + (FWD \times B) + (U_2 \times V_2)$$

Where:

TW_2 means the maximum price that Essential Energy may levy for Category 2 Trade Waste Discharge for the applicable Period;

C_2 means the applicable annual Trade Waste fee in Table 10 for the relevant Period;

A_2 means the Trade Waste discharge application fee in Table 10 for the relevant Period (applies per application to discharge Trade Waste into the Wastewater System);

T_2 means the Trade Waste reinspection fees in Table 10 for the relevant Period (applies per reinspection);

TN_2 means the total non-compliant Trade Waste usage charges in Table 10 for the relevant Period (applies where appropriate pre-treatment equipment has not been installed or maintained as reasonably determined by Essential Energy);

TNV_2 means the total volume (in kL) of non-compliant Trade Waste usage;

FWD means the annual food waste disposal charge in Table 10 for the relevant Period;

B means:

- (a) in the case of a hospital, nursing home or other eligible facility in which the food waste disposal unit is installed - the number of beds in that facility;
- (b) in any other case – 0;

U_2 means the compliant Trade Waste usage charge in Table 10 for the relevant Period; and

V_2 means the Volume of Liquid Trade Waste discharged into the Wastewater System.

15.4 Maximum prices for Category 3 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 3 Trade Waste Discharge for the applicable Period is the amount calculated using the formula in Box 9.

Box 9 Maximum price for Category 3 Trade Waste Discharge

$TW_3 = C_3 + A_3 + T_3 + MN + PH + BOD + M$ Where:

TW_3 means the maximum price that Essential Energy may levy for Category 3 Trade Waste Discharge for the applicable Period;

C_3 means the applicable annual Trade Waste fee in Table 11 for the relevant Period;

A_3 means the Trade Waste discharge application fee in Table 11 for the relevant Period (applies per application to discharge Trade Waste into the Wastewater System);

T_3 means the Trade Waste reinspection fees in Table 11 for the relevant Period (applies per reinspection);

MN means the total non-compliant excess mass charges in Table 11 for the relevant Period (applies if there is a non-compliance with the approved concentration limits of substances specified in Essential Energy's approval conditions or the acceptance criterion listed in the Trade Waste Policy);

PH means the total charges in Table 11 for exceeding approved pH range for the relevant Period (applies where the approved pH range is exceeded);

BOD means the total charges in Table 11 for exceeding approved biochemical oxygen demand (**BOD**) range for the relevant Period (applies where the approved maximum concentration of BOD has been exceeded on two or more occasions in the applicable Period); and

M means the total applicable excess mass based charges, calculated under the Trade Waste Policy using the charges set out in Table 12 for the relevant Period.

Tables 8-12

[Note: the annual charges in Tables 8-11 must be pro-rated in accordance with clause 20.6(2) if they are to be levied for any period that is less than a full financial year.]

Table 8 Category 1 Trade Waste Discharge Fees and Charges

Fees and Charges	1 July 2022 to 30 June 2023	1 July 2023 to 30 June 2024	1 July 2024 to 30 June 2025	1 July 2025 to 30 June 2026
Annual Trade Waste fee (does not apply to a Mining Customer) (C) (\$ per year)	105.58	$105.58 \times \text{CPI}_1$	$105.58 \times \text{CPI}_2$	$105.58 \times \text{CPI}_3$
Annual Trade Waste fee per operating mine which discharges Trade Waste (applies to a Mining Customer) (C_1) (\$ per year)	1,769.58	$1,769.58 \times \text{CPI}_1$	$1,769.58 \times \text{CPI}_2$	$1,769.58 \times \text{CPI}_3$
Trade Waste discharge application fee (A) (\$)	260.65	$260.65 \times \text{CPI}_1$	$260.65 \times \text{CPI}_2$	$260.65 \times \text{CPI}_3$
Trade Waste reinspection fee (T_1) (\$)	96.78	$96.78 \times \text{CPI}_1$	$96.78 \times \text{CPI}_2$	$96.78 \times \text{CPI}_3$
Non-compliant Trade Waste usage charge (TN_1) (\$ per kL)	0.79	$0.99 \times \text{CPI}_1$	$1.19 \times \text{CPI}_2$	$1.39 \times \text{CPI}_3$

Table 9 Category 1a Trade Waste Discharge Fees and Charges

Fees and Charges	1 July 2022 to 30 June 2023	1 July 2023 to 30 June 2024	1 July 2024 to 30 June 2025	1 July 2025 to 30 June 2026
Annual Trade Waste fee (does not apply to a Mining Customer) (C_{1A}) (\$ per year)	105.58	$105.58 \times \text{CPI}_1$	$105.58 \times \text{CPI}_2$	$105.58 \times \text{CPI}_3$
Annual Trade Waste fee per operating mine which discharges Trade Waste (applies to a Mining Customer) (C_{1A}) (\$ per year)	1,769.58	$1,769.58 \times \text{CPI}_1$	$1,769.58 \times \text{CPI}_2$	$1,769.58 \times \text{CPI}_3$
Trade Waste discharge application fee (A_{1A}) (\$)	260.65	$260.65 \times \text{CPI}_1$	$260.65 \times \text{CPI}_2$	$260.65 \times \text{CPI}_3$
Trade Waste reinspection fee (T_{1A}) (\$)	96.78	$96.78 \times \text{CPI}_1$	$96.78 \times \text{CPI}_2$	$96.78 \times \text{CPI}_3$

Fees and Charges	1 July 2022 to 30 June 2023	1 July 2023 to 30 June 2024	1 July 2024 to 30 June 2025	1 July 2025 to 30 June 2026
Non-compliant Trade Waste usage charge (TN_{1A}) (\$ per kL)	0.79	0.99 x CPI ₁	1.19 x CPI ₂	1.39 x CPI ₃

Table 10 Category 2 Trade Waste Discharge Fees and Charges

Fees and Charges	1 July 2022 to 30 June 2023	1 July 2023 to 30 June 2024	1 July 2024 to 30 June 2025	1 July 2025 to 30 June 2026
Annual Trade Waste fee (does not apply to a Mining Customer) (C_2)(\$ per year)	212.26	212.26 x CPI ₁	212.26 x CPI ₂	212.26 x CPI ₃
Annual Trade Waste fee per operating mine which discharges Trade Waste (applies to a Mining Customer) (C_2)(\$ per year)	1,769.58	1,769.58 x CPI ₁	1,769.58 x CPI ₂	1,769.58 x CPI ₃
Trade Waste discharge application fee (A_2) (\$)	260.65	260.65 x CPI ₁	260.65 x CPI ₂	260.65 x CPI ₃
Trade Waste reinspection fee (T_2) (\$)	96.78	96.78 x CPI ₁	96.78 x CPI ₂	96.78 x CPI ₃
Non-compliant Trade Waste usage charge (TN_2) (\$ per kL)	7.26	9.07 x CPI ₁	10.89 x CPI ₂	12.71 x CPI ₃
Annual food waste disposal charge (FWD) (\$ per year)	32.99	32.99 x CPI ₁	32.99 x CPI ₂	32.99 x CPI ₃
Compliant Trade Waste usage charge (U_2) (\$ per kL)	0.79	0.99 x CPI ₁	1.19 x CPI ₂	1.39 x CPI ₃

Table 11 Category 3 Trade Waste Discharge Fees and Charges

Fees and Charges	1 July 2022 to 30 June 2023	1 July 2023 to 30 June 2024	1 July 2024 to 30 June 2025	1 July 2025 to 30 June 2026
Annual Trade Waste fee for a customer (does not apply to a Mining Customer) (C_3) (\$ per year)	710.48	710.48 x CPI ₁	710.48 x CPI ₂	710.48 x CPI ₃
Annual Trade Waste fee per operating mine which discharges Trade Waste (applies to a Mining Customer) (C_3) (\$ per year)	1,769.58	1,769.58 x CPI ₁	1,769.58 x CPI ₂	1,769.58 x CPI ₃
Trade Waste discharge application fee (A_3) (\$)	260.65	260.65 x CPI ₁	260.65 x CPI ₂	260.65 x CPI ₃

Fees and Charges	1 July 2022 to 30 June 2023	1 July 2023 to 30 June 2024	1 July 2024 to 30 June 2025	1 July 2025 to 30 June 2026
Trade Waste reinspection fee (T_3) (\$)	96.78	96.78 x CPI ₁	96.78 x CPI ₂	96.78 x CPI ₃
Non-compliant excess mass charge (MN)		As per the Trade Waste Policy		
Charge for exceeding approved pH range (pH)		As per the Trade Waste Policy		
Charge for exceeding approved BOD range (BOD)		As per the Trade Waste Policy		

Table 12 Category 3 Trade Waste Discharge Excess Mass Charges

Pollutant	1 July 2022 to 30 June 2023 (\$ per kg)	1 July 2023 to 30 June 2024 (\$ per kg)	1 July 2024 to 30 June 2025 (\$ per kg)	1 July 2025 to 30 June 2026 (\$ per kg)
Acid demand, pH>10	0.392	0.490 x CPI ₁	0.588 x CPI ₂	0.686 x CPI ₃
Alkali demand, pH<7	0.392	0.490 x CPI ₁	0.588 x CPI ₂	0.686 x CPI ₃
Aluminium	0.392	0.490 x CPI ₁	0.588 x CPI ₂	0.686 x CPI ₃
Ammonia (as Nitrogen)	1.197	1.496 x CPI ₁	1.795 x CPI ₂	2.094 x CPI ₃
Arsenic	39.435	49.294 x CPI ₁	59.153 x CPI ₂	69.011 x CPI ₃
Barium	19.415	24.269 x CPI ₁	29.123 x CPI ₂	33.977 x CPI ₃
Biochemical Oxygen Demand (BOD)	0.392	0.490 x CPI ₁	0.588 x CPI ₂	0.686 x CPI ₃
Boron	0.392	0.490 x CPI ₁	0.588 x CPI ₂	0.686 x CPI ₃
Bromine	7.849	9.811 x CPI ₁	11.773 x CPI ₂	13.735 x CPI ₃
Cadmium	29.428	29.428 x CPI ₁	29.428 x CPI ₂	29.428 x CPI ₃
Chloride	Nil	Nil	Nil	Nil
Chlorinated hydrocarbons	19.415	24.269 x CPI ₁	29.123 x CPI ₂	33.977 x CPI ₃
Chlorinated phenolic compounds	786.258	982.822 x CPI ₁	1179.387 x CPI ₂	1375.951 x CPI ₃
Chlorine	0.822	1.027 x CPI ₁	1.233 x CPI ₂	1.438 x CPI ₃
Chromium	13.189	16.486 x CPI ₁	19.784 x CPI ₂	23.081 x CPI ₃
Cobalt	8.168	10.210 x CPI ₁	12.252 x CPI ₂	14.294 x CPI ₃
Copper	8.168	10.210 x CPI ₁	12.252 x CPI ₂	14.294 x CPI ₃
Cyanide	39.435	49.294 x CPI ₁	59.153 x CPI ₂	69.011 x CPI ₃
Fluoride	1.942	2.427 x CPI ₁	2.913 x CPI ₂	3.398 x CPI ₃
Formaldehyde	0.822	1.027 x CPI ₁	1.233 x CPI ₂	1.438 x CPI ₃
Grease and oil (total)	0.703	0.878 x CPI ₁	1.054 x CPI ₂	1.230 x CPI ₃
Herbicides/defoliant	393.125	491.406 x CPI ₁	589.687 x CPI ₂	687.968 x CPI ₃
Iron	0.822	1.027 x CPI ₁	1.233 x CPI ₂	1.438 x CPI ₃
Lead	19.415	24.269 x CPI ₁	29.123 x CPI ₂	33.977 x CPI ₃
Lithium	3.944	4.929 x CPI ₁	5.915 x CPI ₂	6.901 x CPI ₃

Pollutant	1 July 2022 to 30 June 2023 (\$ per kg)	1 July 2023 to 30 June 2024 (\$ per kg)	1 July 2024 to 30 June 2025 (\$ per kg)	1 July 2025 to 30 June 2026 (\$ per kg)
Manganese	3.944	4.929 x CPI ₁	5.915 x CPI ₂	6.901 x CPI ₃
Mercaptans	39.435	49.294 x CPI ₁	59.153 x CPI ₂	69.011 x CPI ₃
Mercury	1,310.434	1,638.043 x CPI ₁	1,965.651 x CPI ₂	2,293.260 x CPI ₃
Methylene blue active substances (MBAS)	0.392	0.490 x CPI ₁	0.588 x CPI ₂	0.686 x CPI ₃
Molybdenum	0.392	0.490 x CPI ₁	0.588 x CPI ₂	0.686 x CPI ₃
Nickel	13.189	16.486 x CPI ₁	19.784 x CPI ₂	23.081 x CPI ₃
Nitrogen (Total Kjedahl Nitrogen)	0.102	0.128 x CPI ₁	0.153 x CPI ₂	0.179 x CPI ₃
Organoarsenic compounds	393.125	491.406 x CPI ₁	589.687 x CPI ₂	687.968 x CPI ₃
Pesticides general (excludes organochlorines and organophosphates)	393.125	491.406 x CPI ₁	589.687 x CPI ₂	687.968 x CPI ₃
Petroleum hydrocarbons (non- flammable)	1.316	1.645 x CPI ₁	1.974 x CPI ₂	2.303 x CPI ₃
Phenolic compounds (non-chlorinated)	3.944	4.929 x CPI ₁	5.915 x CPI ₂	6.901 x CPI ₃
Phosphorus (Total)	0.822	1.027 x CPI ₁	1.233 x CPI ₂	1.438 x CPI ₃
Polynuclear aromatic hydrocarbons (PAH)	8.168	10.210 x CPI ₁	12.252 x CPI ₂	14.294 x CPI ₃
Selenium	27.622	34.527 x CPI ₁	41.432 x CPI ₂	48.338 x CPI ₃
Silver	0.635	0.793 x CPI ₁	0.952 x CPI ₂	1.110 x CPI ₃
Sulphate	0.077	0.096 x CPI ₁	0.115 x CPI ₂	0.134 x CPI ₃
Sulphide	0.822	1.027 x CPI ₁	1.233 x CPI ₂	1.438 x CPI ₃
Sulphite	0.877	1.097 x CPI ₁	1.316 x CPI ₂	1.535 x CPI ₃
Suspended Solids (SS)	0.498	0.623 x CPI ₁	0.747 x CPI ₂	0.872 x CPI ₃
Thiosulphate	0.136	0.170 x CPI ₁	0.204 x CPI ₂	0.238 x CPI ₃
Tin	3.944	4.929 x CPI ₁	5.915 x CPI ₂	6.901 x CPI ₃
Total Dissolved Solids (TDS)	0.026	0.032 x CPI ₁	0.038 x CPI ₂	0.045 x CPI ₃
Uranium	3.944	4.929 x CPI ₁	5.915 x CPI ₂	6.901 x CPI ₃
Zinc	8.036	10.045 x CPI ₁	12.054 x CPI ₂	14.063 x CPI ₃

Part 5 Miscellaneous Customer Services

16 Application of this part

This part sets out the maximum prices that Essential Energy may levy for Miscellaneous Customer Services.

17 Maximum prices for Miscellaneous Customer Services

- (1) The maximum prices that Essential Energy may levy for supplying Miscellaneous Customer Services is the corresponding charge for each service specified in Table 13 for the applicable Period.
- (2) Where no maximum price is specified in Table 13 for supplying a Miscellaneous Customer Service, the maximum price that Essential Energy may levy for supplying such a service is \$0.

Table 13

Table 13 Maximum prices for Miscellaneous Customer Services

No	Miscellaneous Customer Services	1 July 2022 to 30 June 2023 (\$ per service)	1 July 2023 to 30 June 2024 (\$ per service)	1 July 2024 to 30 June 2025 (\$ per service)	1 July 2025 to 30 June 2026 (\$ per service)
1	Conveyancing certificate Statement of outstanding charges				
	a) Full certificate with Meter read	81.22	81.22 x CPI ₁	81.22 x CPI ₂	81.22 x CPI ₃
	b) Updated Meter read request (special Meter read)	60.87	60.87 x CPI ₁	60.87 x CPI ₂	60.87 x CPI ₃
	c) Full certificate with history search	142.98	142.98 x CPI ₁	142.98 x CPI ₂	142.98 x CPI ₃
	d) Urgent full certificate with Meter read (within 48 hours)	140.77	140.77 x CPI ₁	140.77 x CPI ₂	140.77 x CPI ₃
2	Meter test Refunded if Meter is ± 3%	84.42	84.42 x CPI ₁	84.42 x CPI ₂	84.42 x CPI ₃
3	Drainage diagram	23.81	23.81 x CPI ₁	23.81 x CPI ₂	23.81 x CPI ₃
4	Plumbing inspection	39.38	39.38 x CPI ₁	39.38 x CPI ₂	39.38 x CPI ₃
5	Plumbers application	42.07	42.07 x CPI ₁	42.07 x CPI ₂	42.07 x CPI ₃
6	Site inspection for water and wastewater	135.27	135.27 x CPI ₁	135.27 x CPI ₂	135.27 x CPI ₃
7	Statement of available water pressure	195.76	195.76 x CPI ₁	195.76 x CPI ₂	195.76 x CPI ₃
8	Building plan approval – extension	38.00	38.00 x CPI ₁	38.00 x CPI ₂	38.00 x CPI ₃
9	Building plan approval – new connection	57.42	57.42 x CPI ₁	57.42 x CPI ₂	57.42 x CPI ₃
10	Fire service application	100.41	100.41 x CPI ₁	100.41 x CPI ₂	100.41 x CPI ₃
11	Relocation/increase in size of water service (tapping fee)	97.23	97.23 x CPI ₁	97.23 x CPI ₂	97.23 x CPI ₃
12	Backflow prevention device testing and certification (per hour plus materials)	81.38	81.38 x CPI ₁	81.38 x CPI ₂	81.38 x CPI ₃
13	Install water service				
	a) 20mm service up to 3 metres	833.64	833.64 x CPI ₁	833.64 x CPI ₂	833.64 x CPI ₃
	b) 20mm service over 3 metres and less than 30 metres	2,151.21	2,151.21 x CPI ₁	2,151.21 x CPI ₂	2,151.21 x CPI ₃
	c) All others	By quote	By quote	By quote	By quote
14	Alter existing water service				
	a) Actual cost	By quote	By quote	By quote	By quote
	b) Relocate existing service	By quote	By quote	By quote	By quote
15	Downgrade Meter size				
	a) 25mm to 20mm	107.18	107.18 x CPI ₁	107.18 x CPI ₂	107.18 x CPI ₃
	b) All others	By quote	By quote	By quote	By quote
16	Repair damaged water service				
	a) First repair within 5 year period	Nil	Nil	Nil	Nil
	b) Second and subsequent repairs (per hour plus materials)	107.18	107.18 x CPI ₁	107.18 x CPI ₂	107.18 x CPI ₃
17	Rectification of illegal service	260.65	260.65 x CPI ₁	260.65 x CPI ₂	260.65 x CPI ₃
18	Replace damaged water Meter				
	a) First replacement in a 5 year period	Nil	Nil	Nil	Nil

No	Miscellaneous Customer Services	1 July 2022 to 30 June 2023 (\$ per service)	1 July 2023 to 30 June 2024 (\$ per service)	1 July 2024 to 30 June 2025 (\$ per service)	1 July 2025 to 30 June 2026 (\$ per service)
	b) 20mm	125.37	125.37 x CPI ₁	125.37 x CPI ₂	125.37 x CPI ₃
	c) 25mm	247.46	247.46 x CPI ₁	247.46 x CPI ₂	247.46 x CPI ₃
	d) 32mm	359.63	359.63 x CPI ₁	359.63 x CPI ₂	359.63 x CPI ₃
	e) 40mm	866.63	866.63 x CPI ₁	866.63 x CPI ₂	866.63 x CPI ₃
	f) 50mm	1,081.10	1,081.10 x CPI ₁	1,081.10 x CPI ₂	1,081.10 x CPI ₃
	g) 80mm	1,187.78	1,187.78 x CPI ₁	1,187.78 x CPI ₂	1,187.78 x CPI ₃
	h) 100mm or greater	By quote	By quote	By quote	By quote
19	Water service disconnection				
	a) First disconnect within 1 year period	Nil	Nil	Nil	Nil
	b) Capping	104.54	104.54 x CPI ₁	104.54 x CPI ₂	104.54 x CPI ₃
	c) 20mm to 25mm	174.88	174.88 x CPI ₁	174.88 x CPI ₂	174.88 x CPI ₃
	d) Greater than 25mm	By quote	By quote	By quote	By quote
	e) Bitumen repairs (\$ per metre) (minimum 1 metre)	20.35	20.35 x CPI ₁	20.35 x CPI ₂	20.35 x CPI ₃
20	Water service reconnection				
	a) First reconnect within 1 year period	Nil	Nil	Nil	Nil
	b) Un-capping	112.18	112.18 x CPI ₁	112.18 x CPI ₂	112.18 x CPI ₃
	c) 20mm to 25mm	188.07	188.07 x CPI ₁	188.07 x CPI ₂	188.07 x CPI ₃
	d) Greater than 25mm	By quote	By quote	By quote	By quote
	e) Bitumen repairs (\$ per metre) (minimum 1 metre)	20.35	20.35 x CPI ₁	20.35 x CPI ₂	20.35 x CPI ₃
21	Asset location				
	a) Major or critical infrastructure (per hour)	107.18	107.18 x CPI ₁	107.18 x CPI ₂	107.18 x CPI ₃
	b) Minor or non-critical initial location	Nil	Nil	Nil	Nil
	c) Reinspect asset location (per hour)	107.18	107.18 x CPI ₁	107.18 x CPI ₂	107.18 x CPI ₃
22	Relocate existing stop valve or hydrant	By quote	By quote	By quote	By quote
23	Replace water main before customer installations	By quote	By quote	By quote	By quote
24	Standpipe hire				
	a) Monthly (minimum charge)	34.64	34.64 x CPI ₁	34.64 x CPI ₂	34.64 x CPI ₃
	b) Annually	415.72	415.72 x CPI ₁	415.72 x CPI ₂	415.72 x CPI ₃
	c) Water usage charges (\$ per kL)				
	i. Treated	1.98	1.98 x CPI ₁	1.98 x CPI ₂	1.98 x CPI ₃
	ii. Untreated	1.76	1.76 x CPI ₁	1.76 x CPI ₂	1.76 x CPI ₃
25	Personal service of final warning notice	23.70	23.70 x CPI ₁	23.70 x CPI ₂	23.70 x CPI ₃
26	Water reconnection – after restrictions				
	a) During business hours	102.28	102.28 x CPI ₁	102.28 x CPI ₂	102.28 x CPI ₃
	b) Outside business hours	141.87	141.87 x CPI ₁	141.87 x CPI ₂	141.87 x CPI ₃

Part 6 Statement of reasons for setting methodologies

18 Legislative framework

Under section 13A(2) of the IPART Act, IPART may not choose to make a determination that involves setting the methodology for fixing a maximum price, unless IPART is of the opinion that it is impractical to make a determination directly fixing the maximum price. If IPART makes a determination that involves setting the methodology for fixing a maximum price then it must include in its determination a statement of reasons as to why it chose to set a methodology (see section 13A(3) of the IPART Act).

19 Statement of reasons

19.1 Methodology for Water Supply Services

IPART has set a methodology for fixing the maximum price for Water Supply Services in Part 2. This is because the cost of providing Water Supply Services depends on a number of variables such as the volume of water supplied to a Property. It is impractical to make a determination directly fixing a maximum price for Water Supply Services.

19.2 Methodology for Wastewater Services

IPART has set a methodology for fixing the maximum price for Wastewater Services in Part 3. This is because the cost of providing Wastewater Services depends on a number of variables such as the volume of wastewater discharged from a Property. It is impractical to make a determination directly fixing a maximum price for Wastewater Services.

19.3 Methodology for Trade Waste charges

IPART has set methodologies for fixing the maximum price for Trade Waste Services in Part 4. This is because the cost of providing Trade Waste Services depends on a number of variables and is different for each category of customer. For example, applicable fees and the usage charge may be different for each category of customer. In terms of Category 2 Trade Waste Discharge, the number of beds in the facility in which the food waste disposal unit is installed may also vary.

Part 7 Definitions and interpretation

20 Interpretation

20.1 General provisions

In this determination, unless the contrary intention appears:

- (1) headings are for convenience only and do not affect the interpretation of this determination;
- (2) a reference to a part, clause, table or box is a reference to a part of, clause of, table in or box in, this determination unless otherwise indicated;
- (3) a construction that would promote the purpose or object expressly or impliedly underlying the IPART Act is to be preferred to a construction that would not promote that purpose or object;
- (4) words importing the singular include the plural and vice versa;
- (5) a reference to a law or statute includes regulations, rules, codes and other instruments under it and consolidations, amendments, re-enactments or replacements of them;
- (6) where a word is defined, other grammatical forms of that word have a corresponding meaning;
- (7) a reference to a financial year is a reference to a period of 12 months beginning on 1 July and ending on the following 30 June;
- (8) a reference to a person includes a reference to the person's executors, administrators, successors, substitutes (including, but not limited to, persons taking by novation), replacements and assigns; and
- (9) a reference to a body, whether statutory or not, which ceases to exist; or whose powers or functions are transferred to another body, is a reference to the body which replaces it or which substantially succeeds to its powers or functions.

20.2 Explanatory notes and amendment notices

- (1) Explanatory notes do not form part of this determination, but in the case of uncertainty may be relied on for interpretation purposes.
- (2) Under section 32 of the IPART Act, IPART may amend this determination to correct a minor, obvious, clerical or administrative error by publishing a notice in the NSW Government Gazette.

20.3 Maximum prices exclusive of GST

- (1) Maximum prices specified in this determination do not include GST.
- (2) For the avoidance of doubt, where GST is lawfully applied to maximum prices set out in this determination, the resulting GST inclusive price is consistent with this determination.

20.4 Rounding Rule

- (1) Any maximum price calculated in accordance with this determination is to be rounded to the nearest whole cent.
- (2) For the purposes of rounding a maximum price under clause 20.4(1), any amount that is a multiple of 0.5 cents (but not a multiple of 1 cent), is to be rounded up to the nearest whole cent.
- (3) The CPI multipliers calculated under clause 21.1 are to be rounded to three decimal places before adjusting a maximum price for inflation.
- (4) For the purposes of rounding the CPI multipliers under clause 20.4(3), any amount that is a multiple of 0.0005 (but not a multiple of 0.001) is to be rounded up to three decimal places.

20.5 Meters that serve a Property

- (1) Where a Property is deemed to have a single 20mm Individual Meter under clause 8.2, for the purpose of this determination, only that deemed Meter is taken to serve the Property.
- (2) Where a Non-Residential Property has one or more Individual Meters that are downstream of one or more Common Meters, for the purposes of this determination, the Property is served by those Individual Meters and not by the Common Meters.

20.6 Annual charges, billing and pro rata

- (1) For the avoidance of doubt, nothing in this determination affects:
 - (a) when Essential Energy may issue a bill for prices or charges under this determination; or
 - (b) when Essential Energy must read a Meter; or
 - (c) who Essential Energy must levy prices or charges under this determination on.

[Note: For example, the maximum price that Essential Energy may levy for supplying Water Supply Services to a Residential Property in a Multi-Premises that is served by a single Common Meter is the sum of the applicable service charge and the Residential Property's share of the water usage charge for the Multi-Premises. This determination does not prevent Essential Energy from levying the service charge on the owner of the Residential Property and the aggregate water usage charge for all Residential Properties served by the Common Meter on the relevant owners corporation of the Multi-Premises.]

- (2) In respect of any period after the Commencement Date that is less than a full financial year, the annual charges in this determination will be pro-rated for that period, based on the proportion that the number of days in that period bears to the number of days in the financial year.

[Note: For example, if this determination commences on 1 January 2023 the annual charges in this determination will be pro-rated based on the number of days in the period from 1 January 2023 to 30 June 2023 as a proportion of the total number of days in the financial year from 1 July 2022 to 30 June 2023. The annual charges for the period from 1 July 2022 to 31 December 2022 will be determined under the 2019 Determination and pro-rated in accordance with that determination.]

- (3) In respect of any Meter Reading Period that traverses more than one Period, the charges in this determination will be pro-rated for that Meter Reading Period, based on the proportion that the number of days in the Meter Reading Period bears to the number of days in each Period.

21 Definitions

21.1 Consumer Price Index

- (1) CPI means the consumer price index All Groups index number for the weighted average of eight capital cities, published by the Australian Bureau of Statistics; or, if the Australian Bureau of Statistics does not or ceases to publish the index, then CPI will mean an index determined by IPART.
- (2) The maximum prices in this determination are to be adjusted for inflation by multiplying the specified price by the specified CPI multiplier:
 - (a) CPI_1 ;
 - (b) CPI_2 ; or
 - (c) CPI_3 .
- (3) The CPI multipliers are calculated using the applicable formula in Box 9.

Box 9 Calculation of CPI multipliers

$$CPI_1 = \frac{CPI_{March2023}}{CPI_{March2022}}$$

$$CPI_2 = \frac{CPI_{March2024}}{CPI_{March2022}}$$

$$CPI_3 = \frac{CPI_{March2025}}{CPI_{March2022}}$$

Where:

$CPI_{March2022}$ means CPI for the March quarter of 2022;

$CPI_{March2023}$ means CPI for the March quarter of 2023;

$CPI_{March2024}$ means CPI for the March quarter of 2024; and

$CPI_{March2025}$ means CPI for the March quarter of 2025.

21.2 General definitions

In this determination:

2019 Determination means IPART's determination dated 2019 and titled 'Essential Energy's prices for water and sewerage services in Broken Hill from 1 July 2019 to 30 June 2022', published in New South Wales, *Gazette*, No 67, 28 June 2019, 2414.

Category 1 Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non-Residential Property;
- (b) is deemed by Essential Energy to be of a low risk nature and to require nil or minimal pre-treatment prior to its discharge into the Wastewater System; and
- (c) is discharged pursuant to a trade waste agreement with Essential Energy.

Category 1a Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non-Residential Property;
- (b) is deemed by Essential Energy to be either of a low risk nature but to require a more sophisticated prescribed pre-treatment than Category 1 Trade Waste Discharge prior to being discharged into the Wastewater System; and
- (c) is discharged pursuant to a trade waste agreement with Essential Energy.

Category 2 Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non-Residential Property;
- (b) is deemed by Essential Energy to be of a medium risk nature but to require a prescribed type of liquid trade waste pre-treatment prior to being discharged into the Wastewater System; and
- (c) is discharged pursuant to a trade waste agreement with Essential Energy.

Category 3 Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non-Residential Property;
- (b) is deemed by Essential Energy to be either of a high volume (over 20kL per day) or of an industrial nature and to require a prescribed type of liquid trade waste pre-treatment prior to being discharged into the Wastewater System; and
- (c) is discharged pursuant to a trade waste agreement with Essential Energy.

CBH Resources Mining Customer Property means a Mining Customer Property owned by CBH Resources Ltd, or on which CBH Resources Ltd carries out mining and exploration activities.

CBH Resources Ltd means CBH Resources Limited ACN 009 423 858 and includes any related body corporate within the definition of section 50 of the *Corporations Act 2001* (Cth) that is a Mining Customer.

Chlorinated Water means water that has been treated with a chlorine disinfection process, but not filtered to remove solids and organic particles.

Commencement Date means the commencement date defined in clause 2(1) of part 1 of this determination.

Common Meter means a Meter which services a Multi-Premises, where the Meter measures the water supplied to the Multi-Premises but not to each relevant Property located on or within that Multi-Premises.

Community Development Lot has the meaning given to that term under the *Community Land Development Act 2021* (NSW).

Company Title Building means a building owned by a company where the issued shares of the company entitle the legal owner to exclusive occupation of a specified Company Title Dwelling within that building.

Company Title Dwelling means a dwelling within a Company Title Building.

Corporation has the meaning given to that term under section 57A of the *Corporations Act 2001* (Cth).

DF or **Discharge Factor** means:

- (a) in relation to a Property (other than a Mining Customer Property) with a single Individual Meter, or multiple Individual Meters, the percentage of water supplied to that Property which Essential Energy estimates to be discharged into the Wastewater System;
- (b) in relation to a Property (other than a Mining Customer Property) within a Multi-Premises with one or more Common Meters, the percentage of water supplied to that Property which Essential Energy estimates to be discharged into the Wastewater System;
- (c) in relation to a Multi-Premises, the percentage of water supplied to that Multi-Premises which Essential Energy estimates to be discharged into the Wastewater System; and
- (d) in relation to a Mining Customer Property with a single Individual Meter, or multiple Individual Meters – 100%.

Domestic Equivalent means a concentration or level the same as would be found in household wastewater.

Essential Energy means the Corporation established under section 7 of the *Energy Services Corporations Act 1995* (NSW) and listed in Part 2 of Schedule 1 of that Act as 'Essential Energy'.

Essential Water means the part of Essential Energy which provides Water Supply Services and Wastewater Services to customers.

EW Pipeline Property means a Property which may access Untreated Water from the Menindee Pipeline or the Umberumberka Pipeline (or, in the event that the Menindee Pipeline is decommissioned, could access Untreated Water from the Menindee Pipeline immediately prior to it being decommissioned).

Exempt Land means land to which section 312 of the *Water Management Act* applies.

GST means the Goods and Services Tax as defined in *A New Tax System (Goods and Services Tax) Act 1999* (Cth).

Individual Meter means a Meter that services a Property, where the Meter only measures the water usage at that Property.

IPART means the Independent Pricing and Regulatory Tribunal established under the *IPART Act*.

IPART Act means the *Independent Pricing and Regulatory Tribunal Act 1992* (NSW).

kL means kilolitre or one thousand litres.

Local Government Act means the *Local Government Act 1993* (NSW).

Menindee Pipeline means the untreated water pipelines which run from Broken Hill to Stephen's Creek and from Stephen's Creek towards Menindee.

Meter means an apparatus for the measurement of water usage, but does not include an apparatus used by Essential Energy to check the quantity of water use recorded by a Meter.

Metered Non-Residential Property means a Non-Residential Property that is serviced by one or more Individual Meters.

Meter Reading Period means a period equal to the number of days between:

- (a) the date (**Last Reading Date**) on which Essential Energy last read the Meter or is taken to have read the Meter, including by estimating consumption for the Property or Multi-Premises (as the case may be); and
- (b) the date (**Earlier Reading Date**) immediately preceding the Last Reading Date on which Essential Energy read the Meter or is taken to have read the Meter, including by estimating consumption for the Property or Multi-Premises (as the case may be),

which period includes the Last Reading Date but does not include the Earlier Reading Date.

Mining Customer means any Corporation which undertakes the mining or exploration activities on a Mining Customer Property, including CBH Resources Ltd and Perilya Broken Hill Ltd.

Mining Customer Property or **Mining Customer Properties** means a Property that is a Non-Residential Property in the Broken Hill area and on which the primary activity that is undertaken is mining or exploration activities and includes CBH Resources Mining Customer Properties, Perilya Broken Hill Mining Customer Properties and New Mining Customer Properties.

Miscellaneous Customer Services means the ancillary and miscellaneous customer services referred to in clause 2(d) of the Order.

Mixed Multi-Premises means a Multi-Premises that contains at least one Residential Property and at least one Non-Residential Property.

Monopoly Services means the Monopoly Services as defined in clause 1 of this determination.

Multi-Premises means a premises where there is more than one Property.

Multi-Premises Property includes:

- (a) a Strata Title Lot; and
- (b) a part of a building lawfully occupied or available for occupation (other than a Strata Title Building to which paragraph (a) applies),

but excludes a Retirement Village.

New Mining Customer means any Corporation other than Perilya Broken Hill Ltd or CBH Resources Ltd:

- (a) which undertakes mining or exploration activities on a Mining Customer Property after the Commencement Date; or
- (b) that acquires, takes control or management of a Corporation which undertakes mining and exploration activities on a Mining Customer Property after the Commencement Date.

New Mining Customer Property means a Mining Customer Property owned by a New Mining Customer or on which a New Mining Customer carries out mining and exploration activities.

Non-Residential Multi-Premises means a Multi-Premises containing only Non-Residential Properties.

Non-Residential Property or **Non-Residential Properties** means a Property that is not:

- (a) a Residential Property; or
- (b) land that has no capital improvements and no connection to the Water Supply System.

Order means the *Independent Pricing and Regulatory Tribunal (Country Energy) Order 2008* published in the New South Wales Government Gazette No. 147 on 14 November 2008.

Perilya Broken Hill Mining Customer Property means a Mining Customer Property owned by Perilya Broken Hill Ltd, or on which Perilya Broken Hill Ltd carries out mining and exploration activities.

Perilya Broken Hill Ltd means Perilya Broken Hill Limited ACN 099 761 289 and includes any related body corporate within the definition of section 50 of the *Corporations Act 2001* (Cth) that is a Mining Customer.

Period means, as the case may be:

- (a) 1 July 2022 to 30 June 2023;
- (b) 1 July 2023 to 30 June 2024;
- (c) 1 July 2024 to 30 June 2025; or
- (d) 1 July 2025 to 30 June 2026.

Property or **Properties** includes:

- (a) a Strata Title Lot;
- (b) a Company Title Dwelling;
- (c) a Community Development Lot;
- (d) a Retirement Village;
- (e) a building, or part of a building, occupied or available for occupation as a separate place of domicile or separate place of business, other than a building to which paragraphs (a) to (d) apply; or
- (f) land (including Vacant Land); but excludes a Retirement Village Unit.

[Note: For the avoidance of doubt, the definition of 'Property' includes Exempt Land.]

Rateable Land has the meaning given to that term under the Local Government Act.

Residential Multi-Premises mean a Multi-Premises containing only Residential Properties.

Residential Property or **Residential Properties** means a Property, other than an EW Pipeline Property or a Retirement Village, where:

- (a) in the case of the Property being Rateable Land, the Property is categorised as:
 - i) 'residential' under section 516 of the Local Government Act; or
 - ii) 'farmland' under section 515 of the Local Government Act; or
- (b) in the case of the Property not being Rateable Land, the dominant use of the Property is:
 - i) residential, applying the classifications in section 516 of the Local Government Act; or
 - ii) farmland, applying the classifications in section 515 of the Local Government Act.

Retirement Village has the meaning given to that term under the *Retirement Villages Act 1999* (NSW).

Retirement Village Unit means a unit located in a Retirement Village.

Strata Title Building means a building that is subject to a strata scheme under the *Strata Schemes Development Act 2015* (NSW).

Strata Title Lot means a 'lot' as defined under *Strata Schemes Development Act 2015* (NSW).

Trade Waste means wastewater from customers with concentrations of pollutants that exceed a Domestic Equivalent.

Trade Waste Discharge Factor is the ratio of the Volume of Liquid Trade Waste discharged into the Wastewater System to the total water consumption expressed as a percentage.

Trade Waste Policy means Essential Water's policy titled *Water: Discharge of Liquid Trade Waste Policy* dated May 2022, as approved by the Department of Planning and Environment and as amended or replaced from time to time.

Trade Waste Services means the trade waste services referred to in clause 2(c) of the Order.

Treated Water means water that has been treated with a disinfection process and filtered to a standard that is primarily intended for human consumption.

Umberumberka Pipeline means the water pipeline which runs from Broken Hill towards Umberumberka.

Unconnected Property or **Unconnected Properties** means:

- (a) in the context of Part 2, a Property that is not connected, but is reasonably available for connection, to the Water Supply System; and
- (b) in the context of Part 3, a Property that is not connected, but is reasonably available for connection, to the Wastewater System.

Unmetered Property means a Residential Property or a Non-Residential Property, which is not serviced by any Meter.

Untreated Water means water in its natural state, prior to any treatment process.

Vacant Land means an Unconnected Property with no capital improvements.

Volume of Liquid Trade Waste is the volume of water (Treated Water, Chlorinated Water and Untreated Water, as applicable) supplied (in kL) to the relevant Non-Residential Property for the Meter Reading Period, as calculated under Part 2 of this determination, multiplied by the Trade Waste Discharge Factor.

Wastewater Services means the sewerage services referred to in clause 2(b) of the Order.

Wastewater System means the wastewater system of Essential Energy.

Water Management Act means the *Water Management Act 2000* (NSW).

Water Supply Services means the water supply services referred to in clause 2(a) of the Order.

Water Supply System means the water supply system of Essential Energy.