



Independent Pricing and Regulatory Tribunal

# **Essential Energy's water and sewerage services in Broken Hill**

Review of prices from 1 July 2014 to 30 June 2018

**Water — Draft Determination**  
March 2014





Independent Pricing and Regulatory Tribunal

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Review of prices from 1 July 2014 to 30 June 2018

Draft Determination No. 1, 2014

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# Contents

<b>Preliminary</b>	<b>1</b>
1 Background	1
2 Application of this determination	1
3 Replacement of Determination No. 1 of 2010	2
4 Monitoring	2
5 Pricing schedules	2
6 Definitions and Interpretation	2
7 Simplified outline	3
<b>Schedule 1 – Water supply services</b>	<b>5</b>
1 Application	5
2 Maximum price for water supply services to Metered Residential Properties (other than Pipeline Properties)	5
3 Maximum price for water supply services to a Residential Property in a Residential Multi Premises or Residential Property within a Mixed Multi Premises with one or more Common Meters	6
4 Maximum price for water supply services to Metered Non Residential Properties (other than Pipeline Properties and Mining Properties)	7
5 Maximum price for water supply services to Non Residential Properties in a Multi Premises with one or more Common Meters (other than Pipeline Properties or Mining Properties)	9
6 Maximum price for water supply services to Metered Mining Properties	12
7 Maximum price for water supply services to Pipeline Properties	12
8 Maximum price for water supply services to Unmetered Properties connected to the Water Supply System (Residential and Non Residential)	13
9 Maximum price for water supply services to Vacant Land	14
10 Maximum price for water supply services to Exempt Land	14
<b>Tables 1 to 4</b>	<b>15</b>
<b>Schedule 2 – Sewerage Services</b>	<b>18</b>
1 Application	18
2 Maximum price for sewerage services to Residential Properties	18
3 Maximum price for sewerage services to Metered Non Residential Properties	18
4 Maximum prices for sewerage services to Non Residential Properties within Multi Premises with one or more Common Meters	20
5 Maximum sewerage usage charges	21
6 Maximum price for sewerage supply services to Unmetered Properties connected to the Sewerage Supply System (Residential and Non Residential)	23
7 Maximum price for sewerage services to Vacant Land	23
8 Maximum prices for sewerage services to Exempt Land	23
<b>Tables 5 to 7</b>	<b>24</b>

<b>Schedule 3 – Trade waste services</b>	<b>26</b>
1 Application	26
2 Categories for pricing purposes	26
3 Maximum prices for Category 1 Trade Waste Discharge	26
4 Maximum prices for Category 1a Trade Waste Discharge	27
5 Maximum prices for Category 2 Trade Waste Discharge	27
6 Maximum prices for Category 3 Trade Waste Discharge	28
7 Maximum prices for Trade Waste discharged by a Mining Property	29
8 Maximum prices in Tables 8 to 13	30
<b>Tables 8 to 13</b>	<b>31</b>
<b>Schedule 4 Ancillary and miscellaneous customer services</b>	<b>34</b>
1 Application	34
2 Ancillary and miscellaneous customer charges	34
3 Rounding rule	34
<b>Table 14</b>	<b>35</b>
<b>Schedule 5 Definitions and Interpretation</b>	<b>37</b>
1 Definitions	37
2 Interpretation	42

# Preliminary

## 1 Background

- (a) Section 11 of the *Independent Pricing and Regulatory Tribunal Act 1992* (NSW) (**IPART Act**) gives the Independent Pricing and Regulatory Tribunal (**IPART**) a standing reference to conduct investigations and make reports to the Minister on the determination of the pricing for a government monopoly service supplied by a government agency specified in Schedule 1 of the IPART Act.
- (b) Essential Energy is listed as a government agency in Schedule 1 of the IPART Act. The services, which if supplied by Essential Energy, are declared as monopoly services under the *Independent Pricing and Regulatory Tribunal (Country Energy) Order 2008 (Order)* are:
  - (1) water supply services;
  - (2) sewerage services;
  - (3) trade waste services; and
  - (4) ancillary and miscellaneous customer services for which no alternative supply exists and which relate to the provision of services of a kind referred to in paragraphs (1) to (3),(together, the **Monopoly Services**).

Accordingly, IPART may determine the maximum prices for the Monopoly Services.

**[Note:** 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*.]

- (c) In investigating and reporting on the pricing of the Monopoly Services, IPART has had regard to a broad range of matters, including the matters set out in section 15(1) of the IPART Act.
- (d) In accordance with section 13A of the IPART Act, IPART has fixed the maximum prices for the Monopoly Services.

## 2 Application of this determination

- (a) Under section 11 of the IPART Act, this determination fixes the maximum prices that Essential Energy may charge for the Monopoly Services.
- (b) This determination commences on the later of:
  - (1) 1 July 2014; and
  - (2) the date that it is published in the NSW Government Gazette, (**Commencement Date**).

- (c) The maximum prices set out in, or calculated in accordance with, this determination apply from the Commencement Date to 30 June 2018. The maximum prices prevailing at 30 June 2018, as set out in this determination, continue to apply beyond 30 June 2018 until this determination is replaced.
- (d) Under section 18(2) of the IPART Act, Essential Energy may not fix a price below that set out in, or calculated in accordance with, this determination without the approval of the Treasurer.

### **3 Replacement of Determination No. 1 of 2010**

Subject to clause 2.4 of Schedule 5, this determination replaces Determination No. 1 of 2010 from the Commencement Date. The replacement does not affect anything done or omitted to be done, or rights and obligations accrued, under Determination No. 1 of 2010 prior to its replacement.

### **4 Monitoring**

IPART may monitor the performance of Essential Energy for the purposes of:

- (a) establishing and reporting on the level of compliance by Essential Energy with this determination; and
- (b) preparing a periodic review of pricing policies in respect of the Monopoly Services supplied by Essential Energy.

### **5 Pricing schedules**

- (a) Schedule 1 and the tables in that schedule set out the maximum prices that Essential Energy may charge for water supply services.
- (b) Schedule 2 and the tables in that schedule set out the maximum prices that Essential Energy may charge for sewerage services.
- (c) Schedule 3 and the tables in that schedule set out the maximum prices that Essential Energy may charge for trade waste services.
- (d) Schedule 4 and the table in that schedule set out the maximum prices that Essential Energy may charge for ancillary and miscellaneous customer services.

### **6 Definitions and Interpretation**

Schedule 5 sets out the definitions and interpretation provisions used in this determination.

## 7 Simplified outline

- (a) The following is a simplified outline of the maximum prices for:
- (1) water supply services; and
  - (2) sewerage services,
- set out in this determination.
- (b) The simplified outline has been included for guidance purposes only and does not form part of this determination.

### Water charges (Schedule 1):

Property type	Water service charge	Water usage charge (Treated Water/ Untreated Water/ Chlorinated Water)
<b>Residential Properties (Individual Meter or Common Meter)</b>		
All Metered Residential Properties (eg, house, terrace, townhouse, flats, apartments and units)	Table 1	Table 4
Residential Properties in Residential Multi Premises or Residential Properties within Mixed Multi Premises with one or more Common Meters	Table 1	Table 4#
<b>Metered Non Residential Properties (including in a Multi Premises or Mixed Multi Premises)</b>		
20mm Meter (single Individual Meter)	Table 1	Table 4
With a single Individual Meter of 25mm Meter or greater, or multiple Individual Meters of any size	Table 2	Table 4
<b>Non Residential Multi Premises with one or more Common Meters/ Non Residential Properties in Mixed Multi Premises with one or more Common Meters</b>		
Non Residential Multi Premises with one or more Common Meters	Table 2#	Table 4#
Non Residential Properties in Mixed Multi Premises with one or more Common Meters	Table 1	Table 4#
<b>Mining Properties</b>		
Mining Properties	Table 3	Table 4
<b>Other</b>		
Unmetered Properties (Residential or Non Residential)	Table 1	Table 4 (based on a deemed consumption of 300kL of Treated Water, Chlorinated Water and Untreated Water available to the Property per year)
Vacant Land	Table 1	N/A
Exempt Land	N/A	Table 4
Pipeline Properties with a single Individual Meter of 20mm	Table 1	N/A

Property type	Water service charge	Water usage charge (Treated Water/ Untreated Water/ Chlorinated Water)
Pipeline Properties with a single Individual Meter of 25mm or above	Table 2	N/A

# For Multi Premises that are served by one or more Common Meters, Essential Energy may choose to divide the water service charge (for Non Residential Multi Premises) and water usage charge (for all Multi Premises) among the Properties within the Multi Premises (for example, based on unit entitlement, or the number of properties within the Multi Premises), or it may send the bill to the body corporate.

### Sewerage charges (Schedule 2):

Property type	Sewerage service charge	Sewerage usage charge
<b>Residential Properties (Individual Meter or Common Meter)</b>		
All Metered Residential Properties	Table 5	N/A
<b>Non Residential Properties</b>		
Non Residential Properties (other than Mining Properties) with a single Individual Meter of 20mm or greater, or multiple Individual Meters of any size	Table 6	Table 7
Mining Properties with a single Individual Meter, or multiple Individual Meters of any size	Table 6, assuming that each meter is a 100mm meter	Table 7
<b>Non Residential Multi Premises with one or more Common Meters / Non Residential Properties in Mixed Multi Premises with one or more Common Meters</b>		
Non Residential Multi Premises with one or more Common Meters*	Higher of ▼ Table 6 x DF^# ▼ Table 5	Table 7#
Non Residential Properties in Mixed Multi Premises with one or more Common Meters*	Table 5	N/A
<b>Other</b>		
Unmetered Properties (Residential or Non Residential)	Table 5	N/A
Vacant Land	Table 5	N/A
Exempt Land	N/A	Table 7

\* This does not apply where each Property within the Non Residential Multi Premises has an Individual Meter. In such case, each Property would be considered a Metered Non Residential Property for charging purposes.

# For a Non-Residential Multi Premises that is served by one or more Common Meters, Essential Energy may choose to divide the sewerage service charge and the sewerage usage charge among the Properties within the Multi Premises (for example, based on unit entitlement, or the number of properties within the Multi Premises) or it may send the bill to the body corporate.

^ DF refers to Discharge Factor.

## Schedule 1 – Water supply services

### 1 Application

This schedule sets out the maximum prices that Essential Energy may charge for the Monopoly Services under paragraph 2(a) of the Order (water supply services).

### 2 Maximum price for water supply services to Metered Residential Properties (other than Pipeline Properties)

#### 2.1 Application of this clause

- (a) This clause 2 applies to Metered Residential Properties (other than Pipeline Properties) that:
  - (1) are connected to the Water Supply System; and
  - (2) have a single Individual Meter, or multiple Individual meters.
- (b) For avoidance of doubt, where a Residential Property (other than Pipeline Properties) does not have an Individual Meter but that Residential Property is within a Residential Multi Premises with one or more Common Meters, clause 3 of this schedule 1 (and not this clause 2) is to apply to that Residential Property (other than Pipeline Properties).

#### 2.2 Maximum price water supply services to Metered Residential Properties with a single Individual Meter, or multiple Individual Meters

The maximum price that Essential Energy may levy for supplying water supply services to a Metered Residential Property (other than Pipeline Properties) that:

- (a) is connected to the Water Supply System; and
- (b) has a single Individual Meter, or multiple Individual Meters,

is the sum of the following:

- (c) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
- (d) the following **water usage charge**, as applicable:
  - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water

supplied during the relevant Meter Reading Period as measured by the Meter or Meters;

- (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
- (3) the Untreated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

### **3 Maximum price for water supply services to a Residential Property in a Residential Multi Premises or Residential Property within a Mixed Multi Premises with one or more Common Meters**

#### **3.1 Application of this clause**

This clause 3 applies to Residential Properties which:

- (a) do not have an Individual Meter, or multiple Individual Meters;
- (b) are not Pipeline Properties; and
- (c) are in a Residential Multi Premises or within a Mixed Multi Premises, where that Residential Multi Premises or Mixed Multi Premises:
  - (1) has one or more Common Meters; and
  - (2) is connected to the Water Supply System.

#### **3.2 Maximum price for water supply services to a Residential Property in a Residential Multi Premises or Residential Property within a Mixed Multi Premises with one or more Common Meters**

- (a) The maximum price that Essential Energy may levy for supplying water supply services to a Residential Property (other than Pipeline Properties) in Multi Premises where that Multi Premises:
  - (1) is a Residential Multi Premises or Mixed Multi Premises;
  - (2) has one or more Common Meters; and
  - (3) is connected to the Water Supply System,is the sum of the following:
  - (4) the **water service charge** in Table 1 for the applicable period in that table; and
  - (5) subject to clause 3.3 below, the following **water usage charge**, as applicable:

- (A) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
  - (B) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
  - (C) the Untreated Water usage charge for Residential Properties in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.
- (b) Essential Energy may choose to divide the maximum water usage charge, levied under clause 3.2 (a)(5) in this Schedule 1, among the Residential Properties in the Residential Multi Premises or Mixed Multi Premises, (for example, based on unit entitlement or the number of properties in the Multi Premises), or alternatively, Essential Energy may choose to provide the bill for the water usage charge to the body corporate of that Residential Multi Premises or Mixed Multi Premises.

### **3.3 Maximum water usage charge measured by a Common Meter**

For the purposes of clause 3.2 above, the total usage charge for each Residential Property that is within a Residential Multi Premises or Mixed Multi Premises cannot exceed the total volume of Treated Water, Chlorinated Water and Untreated Water (as the case may be) measured by all Common Meters for that Residential Multi Premises or Mixed Multi Premises.

## **4 Maximum price for water supply services to Metered Non Residential Properties (other than Pipeline Properties and Mining Properties)**

### **4.1 Application of this clause**

- (a) This clause 4 applies to Metered Non Residential Properties which:
  - (1) are connected to the Water Supply System;
  - (2) have a single Individual Meter, or multiple Individual meters; and
  - (3) are not Pipeline Properties or Mining Properties.
- (b) For avoidance of doubt, where a Non Residential Property (other than Pipeline Properties and Mining Properties) does not have an Individual Meter but that Property is within a Multi Premises with one or more Common Meters, clause 5 of this schedule 1 (and not this

clause 4) is to apply to that Non Residential Property (other than Pipeline Properties and Mining Properties).

#### **4.2 Maximum price for water supply services to Metered Non Residential Properties with a single Individual Meter of 20mm**

The maximum price that Essential Energy may levy for supplying water supply services to a Metered Non Residential Property (other than Pipeline Properties and Mining Properties) where that Property:

- (a) is connected to the Water Supply System; and
- (b) has a single Individual Meter of 20mm,

is the sum of the following:

- (c) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
- (d) the following **water usage charge**, as applicable:
  - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter;
  - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter; and
  - (3) the Untreated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter.

#### **4.3 Maximum price for water supply services to Metered Non Residential Properties with a single Individual Meter of 25mm or greater, or multiple Individual Meters**

The maximum price that Essential Energy may levy for supplying water supply services to a Metered Non Residential Property (other than Pipeline Properties and Mining Properties) where that Property:

- (a) is connected to the Water Supply System; and
- (b) has a single Individual Meter of 25mm or greater, or multiple Individual Meters (of any size),

is the sum of the following:

- (c) the **water service charge** in Table 2 for each Meter, corresponding to the applicable Meter size and period in that table; and
- (d) the following **water usage charge**, as applicable:

- (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
- (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
- (3) the Untreated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

## **5 Maximum price for water supply services to Non Residential Properties in a Multi Premises with one or more Common Meters (other than Pipeline Properties or Mining Properties)**

### **5.1 Application of this clause**

- (a) This clause 5 applies to Non Residential Properties which:
  - (1) do not have an Individual Meter, or multiple Individual Meters;
  - (2) are not Pipeline Properties or Mining Properties; and
  - (3) are in a Multi Premises, where that Multi Premises:
    - (A) has one or more Common Meters; and
    - (B) is connected to the Water Supply System.
- (b) For the avoidance of doubt, where a Non Residential Property (other than Pipeline Properties and Mining Properties) has an Individual Meter, clause 4 of this Schedule 1 (and not this clause 5) is to apply to that Non Residential Property.

### **5.2 Maximum price for water supply services to a Non Residential Multi Premises with one or more Common Meters**

- (a) The maximum price that Essential Energy may levy for supplying water supply services to a Non Residential Multi Premises where that Multi Premises:
  - (1) has one or more Common Meters; and
  - (2) is connected to the Water Supply System,
 is the sum of the following:
  - (3) the **water service charge** calculated as follows:

*SC – IM*

Where:

**SC** = the water service charge in Table 2 corresponding to the applicable Meter size and period in that table for each Common Meter; and

**IM** = the sum of any water service charges levied under clauses 4.2 and 4.3 of this schedule in respect of each Property within that Multi Premises with an Individual Meter which is downstream of a Common Meter that services the Multi Premises; and

(4) subject to clause 5.4 below, the following **water usage charge**, as applicable:

(A) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;

(B) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and

(C) the Untreated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

(b) Essential Energy may choose to divide:

(1) the maximum water service charge, levied under clause 5.2 (a)(3) in this Schedule 1; and

(2) the maximum total water usage charge, levied under clause 5.2 (a)(4) in this Schedule 1,

among the Non Residential Properties within the Non Residential Multi Premises (for example, based on unit entitlement or the number of properties in the Multi Premises), or alternatively, Essential Energy may choose to provide the bill for each charge to the body corporate of that Non Residential Multi Premises.

### **5.3 Maximum price for water supply services to a Non Residential Property within a Mixed Multi Premises with one or more Common Meters**

The maximum price that Essential Energy may levy for supplying water supply services to a Non Residential Property that is within a Mixed Multi Premises, where that Mixed Multi Premises:

(a) has one or more Common Meters; and

(b) is connected to the Water Supply System,

and that Non Residential Property does not have an Individual Meter, is the sum of the following:

- (c) the **water service charge** in Table 1, corresponding to the applicable period in that table, multiplied by the number of Multi Premises Properties in the Mixed Multi Premises (with each Multi Premises Property taken to have a Meter size of 20mm); and
- (d) subject to clause 5.4 below, the following **water usage charges**, as applicable:
  - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
  - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
  - (3) the Untreated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

#### **5.4 Maximum water usage charge measured by a Common Meter**

- (a) For the purposes of clauses 5.2 and 5.3 above, the total volume of Treated Water, Chlorinated Water and Untreated Water (as the case may be) is calculated as follows for the relevant Meter Reading Period:
  - (1) the total volume of Treated Water, Chlorinated Water and Untreated Water (as the case may be) measured by all Common Meters for that Multi Premises, less
  - (2) the total volume of Treated Water, Chlorinated Water and Untreated Water (as the case may be) measured by any Individual Meters which are downstream of a Common Meter that services that Multi Premises.
- (b) For the purposes of clauses 5.2 and 5.3 above, the total usage charge for each Non Residential Property that is within a Non Residential Multi Premises or Mixed Multi Premises cannot exceed the total volume of Treated Water, Chlorinated Water and Untreated Water (as the case may be) measured by all Common Meters for that Multi Premises or Mixed Multi Premises.

## **6 Maximum price for water supply services to Metered Mining Properties**

The maximum price that Essential Energy may levy for supplying water supply services to a Metered Mining Property connected to the Water Supply System is the sum of the following:

- (a) the **water service charge** in Table 3 for each Meter, corresponding to the applicable Meter size and Period in that table; and
- (b) the following **water usage charge**, as applicable:
  - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
  - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
  - (3) the Untreated Water usage charge for Non Residential Properties in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

## **7 Maximum price for water supply services to Pipeline Properties**

### **7.1 Application of this clause**

This clause 7 applies to Pipeline Properties that:

- (a) are connected to the Water Supply System; and
- (b) have a single Individual Meter, or multiple Individual Meters.

### **7.2 Maximum price for water supply services to Pipeline Properties with a single Individual Meter of 20mm**

The maximum price that Essential Energy may levy for supplying water supply services to a Pipeline Property where that Property:

- (a) is connected to the Water Supply System; and
- (b) has a single Individual Meter of 20mm,

is the sum of the following:

- (c) the **water service charge** in Table 1, corresponding to the applicable period in that table; and

- (d) the **Untreated Water usage charge** for Pipeline Properties in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter.

### 7.3 **Maximum price for water supply services to Pipeline Properties with a single Individual Meter of 25mm or greater, or multiple Individual Meters**

The maximum price that Essential Energy may levy for supplying water supply services to a Pipeline Property where that Property:

- (a) is connected to the Water Supply System; and
- (b) has an Individual Meter of 25mm or greater, or multiple Individual Meters (of any size),

is the sum of the following:

- (c) the **water service charge** in Table 2 for each Meter, corresponding to the applicable Meter size and period in that table; and
- (d) the **Untreated Water usage charge** for Pipeline Properties in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

## 8 **Maximum price for water supply services to Unmetered Properties connected to the Water Supply System (Residential and Non Residential)**

The maximum price that Essential Energy may levy for supplying water supply services to an Unmetered Property connected to the Water Supply System is the sum of the following:

- (a) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
- (b) the following **water usage charge**, as applicable (according to the type of water available to each Property):
  - (1) the Treated Water usage charge in Table 4 for a deemed consumption of 300kL per year;
  - (2) the Chlorinated Water usage charge in Table 4 for a deemed consumption of 300kL per year; and
  - (3) in the case of a Non Residential Property (including a Mining Property or Pipeline Property), the Untreated Water usage charge for Non Residential Properties in Table 4 for a deemed consumption of 300kL per year.

## 9 Maximum price for water supply services to Vacant Land

The maximum price that Essential Energy may levy for supplying water supply services to Vacant Land is the **water service charge** in Table 1, corresponding to the applicable period in that table.

## 10 Maximum price for water supply services to Exempt Land

The maximum price that Essential Energy may levy for supplying water supply services to Exempt Land is the sum of the following **water usage charges**, as applicable:

- (a) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter;
- (b) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter; and
- (c) the Untreated Water usage charge for Non Residential Properties in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter.

## Tables 1 to 4

**Table 1 Water service charges for (i) Metered Residential Properties; (ii) Residential Properties in a Residential Multi Premises or Mixed Multi Premises with one or more Common Meters; (iii) Metered Non Residential Properties with a single Individual Meter of 20mm (other than Pipeline Properties or Mining Properties) (iv) Non Residential Properties within Mixed Multi Premises with one or more Common Meters; (v) Unmetered Properties (Residential and Non Residential); (vi) Vacant Land; and (vii) Pipeline Properties with a single Individual Meter of 20mm**

	<b>Commencement Date to 30 June 2015</b>	<b>1 July 2015 to 30 June 2016</b>	<b>1 July 2016 to 30 June 2017</b>	<b>1 July 2017 to 30 June 2018</b>
Water service charge (\$ per year)	265.53	$265.53 \times (1 + \Delta\text{CPI}_1)$	$265.53 \times (1 + \Delta\text{CPI}_2)$	$265.53 \times (1 + \Delta\text{CPI}_3)$

**Table 2 Water service charges for (i) Metered Non Residential Properties with a single Individual Meter of 25mm or greater, or multiple Individual Meters of any size (other than Pipeline Properties or Mining Properties); (ii) Non Residential Multi Premises with one or more Common Meters; and (iii) Pipeline Properties with an Individual Meter of 25mm or greater, or multiple Individual Meters of any size**

Meter size	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
<b>Water service charge (\$ per year)</b>				
25mm	414.89	414.89 x (1 + ΔCPI <sub>1</sub> )	414.89 x (1 + ΔCPI <sub>2</sub> )	414.89 x (1 + ΔCPI <sub>3</sub> )
40mm	1,062.12	1,062.12 x (1 + ΔCPI <sub>1</sub> )	1,062.12 x (1 + ΔCPI <sub>2</sub> )	1,062.12 x (1 + ΔCPI <sub>3</sub> )
50mm	1,659.57	1,659.57 x (1 + ΔCPI <sub>1</sub> )	1,659.57 x (1 + ΔCPI <sub>2</sub> )	1,659.57 x (1 + ΔCPI <sub>3</sub> )
80mm	4,248.49	4,248.49 x (1 + ΔCPI <sub>1</sub> )	4,248.49 x (1 + ΔCPI <sub>2</sub> )	4,248.49 x (1 + ΔCPI <sub>3</sub> )
100mm	6,638.27	6,638.27 x (1 + ΔCPI <sub>1</sub> )	6,638.27 x (1 + ΔCPI <sub>2</sub> )	6,638.27 x (1 + ΔCPI <sub>3</sub> )
150mm	14,936.11	14,936.11 x (1 + ΔCPI <sub>1</sub> )	14,936.11 x (1 + ΔCPI <sub>2</sub> )	14,936.11 x (1 + ΔCPI <sub>3</sub> )
For Meter sizes not specified above, the following formula applies to each Meter:		(Meter size) <sup>2</sup> x (25mm water service charge for the applicable period) ÷ 625		

**Table 3 Water service charge for Mining Properties**

Meter size	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
<b>Water service charge (\$ per year)</b>				
20mm equivalent charge	5,164.85	5,135.98 x (1 + ΔCPI <sub>1</sub> )	5,383.68 x (1 + ΔCPI <sub>2</sub> )	5,484.89 x (1 + ΔCPI <sub>3</sub> )
For Meter sizes not specified above, the following formula applies to each Meter:		(Meter size) <sup>2</sup> x (20mm water service charge for the applicable period) ÷ 400		

**Table 4 Water usage charges**

	<b>Commencement Date to 30 June 2015</b>	<b>1 July 2015 to 30 June 2016</b>	<b>1 July 2016 to 30 June 2017</b>	<b>1 July 2017 to 30 June 2018</b>
Treated Water (\$ per kL)	1.72	1.72 x (1 + $\Delta\text{CPI}_1$ )	1.72 x (1 + $\Delta\text{CPI}_2$ )	1.72 x (1 + $\Delta\text{CPI}_3$ )
Chlorinated Water (\$ per kL)	1.11	1.11 x (1 + $\Delta\text{CPI}_1$ )	1.11 x (1 + $\Delta\text{CPI}_2$ )	1.11 x (1 + $\Delta\text{CPI}_3$ )
Untreated Water for Residential Properties (\$ per kL)	1.51	1.51 x (1 + $\Delta\text{CPI}_1$ )	1.51 x (1 + $\Delta\text{CPI}_2$ )	1.51 x (1 + $\Delta\text{CPI}_3$ )
Untreated Water for Pipeline Properties (\$ per kL)	0.74	0.74 x (1 + $\Delta\text{CPI}_1$ )	0.74 x (1 + $\Delta\text{CPI}_2$ )	0.74 x (1 + $\Delta\text{CPI}_3$ )
Untreated Water for Non Residential Properties (\$ per kL)	1.51	1.51 x (1 + $\Delta\text{CPI}_1$ )	1.51 x (1 + $\Delta\text{CPI}_2$ )	1.51 x (1 + $\Delta\text{CPI}_3$ )

## Schedule 2 – Sewerage Services

### **1 Application**

This schedule sets out the maximum prices that Essential Energy may charge for the Monopoly Services under paragraph 2(b) of the Order (sewerage services).

### **2 Maximum price for sewerage services to Residential Properties**

#### **2.1 Maximum charges for sewerage services to a Residential Property connected to the Sewerage System**

The maximum price that Essential Energy may levy for supplying sewerage services to a Residential Property connected to the Sewerage System is the sewerage service charge in Table 5 for the applicable period.

### **3 Maximum price for sewerage services to Metered Non Residential Properties**

#### **3.1 Application of this clause**

- (a) This clause 3 applies to Metered Non Residential Properties that are connected to the Sewerage System.
- (b) For the avoidance of doubt, where a Non Residential Property does not have an Individual Meter but is in a Multi Premises with one or more Common Meters, clause 4 of this schedule 2 (and not this clause 3) is to apply to that Property.

#### **3.2 Maximum price for sewerage services to a Metered Non Residential Property with a single Individual Meter of 20mm or greater, or multiple Individual Meters (of any size) (other than a Mining Property)**

The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Property that:

- (a) is connected to the Sewerage System;
- (b) is not a Mining Property; and
- (c) has:
  - (1) a single Individual Meter of 20 mm or greater; or

- (2) multiple Individual Meters (of any size),

is the sum of the following:

- (d) the **sewerage service charge** equal to the higher of:

- (1) the sewerage service charge calculated as follows:

$$SC \times DF$$

Where:

**SC** = the sewerage service charge in Table 6 for each Meter corresponding to the applicable period and Meter size in that table; and

**DF** = the Discharge Factor for that Property; and

- (2) the sewerage service charge in Table 5 corresponding to the applicable period in that table; and

- (e) the **sewerage usage charge** calculated in accordance with clause 5.1 of this Schedule.

### 3.3 Maximum price for sewerage services to a Metered Mining Property

The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Property that:

- (a) is connected to the Sewerage System;  
 (b) is a Mining Property; and  
 (c) has a single or multiple Individual Meters (of any size),

is the sum of the following:

- (d) a **sewerage service charge** equal to the higher of:

- (1) the sewerage service charge calculated as follows:

$$SC \times DF$$

Where:

**SC** = the sewerage service charge in Table 6 for each Meter (assuming that each Meter is a 100mm Meter) corresponding to the applicable period in that table; and

**DF** = the Discharge Factor for that Property; and

- (2) the sewerage service charge in Table 5 corresponding to the applicable period in that table; and

- (e) the **sewerage usage charge** calculated in accordance with clause 5.1 of this Schedule.

## **4 Maximum prices for sewerage services to Non Residential Properties within Multi Premises with one or more Common Meters**

### **4.1 Application of this clause**

- (a) This clause 4 applies to Non Residential Properties which:
  - (1) do not have an Individual Meter, or multiple Individual Meters; and
  - (2) are within a Multi Premises, where that Multi Premises:
    - (A) has one or more Common Meters; and
    - (B) is connected to the Sewerage System.
- (b) For the avoidance of doubt, where a Non Residential Property within a Multi Premises has an Individual Meter, clause 3 of this schedule 2 (and not this clause 4) is to apply to that Property.

### **4.2 Maximum price for sewerage services to a Non Residential Multi Premises with one or more Common Meters**

- (a) The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Multi Premises which:
  - (1) is connected to the Sewerage System; and
  - (2) has one or more Common Meters,is the sum of the following:
  - (3) a **sewerage service charge** equal to the higher of:
    - (A) the sewerage service charge calculated as follows:

$$(SC - IM) \times DF$$

Where:

**SC** = the sewerage service charge in Table 6 corresponding to the applicable period and Meter size in that table for each Meter;

**IM** = the sum of any sewerage service charges levied under clauses 3.2 and 3.3 in respect of each Property within that Multi Premises with an Individual Meter which is downstream of a Common Meter that services the Non Residential Multi Premises; and

**DF** = the Discharge Factor for that Property; and

- (B) the sewerage service charge in Table 5 corresponding to the applicable period in that table; and
- (4) the **sewerage usage charge** calculated in accordance with clause 5.2 of this Schedule.

**[Note:** this clause does not prevent Essential Energy from dividing the sewerage service charge among the Non Residential Properties within the Multi Premises and charging each Property a proportion of the total sewerage service charge (for example, based on unit entitlement or the number of properties in the multi premises).]

#### **4.3 Maximum price for sewerage services to Non Residential Properties within a Mixed Multi Premises with one or more Common Meters**

The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Property within a Mixed Multi Premises, where that Mixed Multi Premises:

- (a) is connected to the Sewerage System; and
- (b) has a Common Meter or multiple Common Meters,

is the sewerage service charge in Table 5 for the applicable period.

### **5 Maximum sewerage usage charges**

#### **5.1 Maximum sewerage usage charges for Metered Non Residential Property (with one or more Individual Meters) or Exempt Land**

The maximum sewerage usage charge that Essential Energy may levy for a Meter Reading Period for supplying sewerage services to a Metered Non Residential Property which has one or more Individual Meters, or to Exempt Land, is calculated as follows:

$$(W \times DF) \times UC$$

Where:

**W** = the water (Treated Water, Chlorinated Water and Untreated Water, as applicable) used (in kL) by that Non Residential Property or Exempt Land for the Meter Reading Period;

**DF** = the Discharge Factor for that Non Residential Property or Exempt Land;

**UC** = the sewerage usage charge in Table 7 for the Meter Reading Period corresponding to the applicable period in that table and the *volume of sewage discharged*; and

*volume of sewage discharged* = the resulting volume determined by multiplying W and DF in this clause 5.1.

## 5.2 Maximum sewerage usage charges for Non Residential Multi Premises with one or more Common Meters

The maximum sewerage usage charge that Essential Energy may levy for a Meter Reading Period for supplying sewerage services to a Non Residential Multi Premises with one or more Common Meters is calculated as follows:

$$((W - IM) \times DF) \times UC$$

Where:

**W** = the total volume of water (Treated Water, Chlorinated Water and Untreated Water, as applicable) used (in kL) for the Meter Reading Period measured by all Common Meters for that Multi Premises;

**IM** = the total volume of water (Treated Water, Chlorinated Water and Untreated Water, as applicable) used (in kL) for the Meter Reading Period measured by any Individual Meters servicing Properties within that Multi Premises, where the relevant Individual Meter is downstream of a Common Meter;

**DF** = the Discharge Factor for that Multi Premises;

**UC** = the sewerage usage charge in Table 7 for the Meter Reading Period corresponding to the applicable period in that table and the *volume of sewage discharged*; and

*volume of sewage discharged* = the resulting volume determined by multiplying (W-IM) and DF in this clause 5.2.

## **6 Maximum price for sewerage supply services to Unmetered Properties connected to the Sewerage Supply System (Residential and Non Residential)**

The maximum price that Essential Energy may levy for supplying sewerage services to an Unmetered Property that is connected to the Sewerage System is the **sewerage service charge** in Table 5 corresponding to the applicable period in that table.

## **7 Maximum price for sewerage services to Vacant Land**

The maximum price that Essential Energy may levy for supplying sewerage services to Vacant Land is the **sewerage service charge** in Table 5 for the applicable period.

## **8 Maximum prices for sewerage services to Exempt Land**

The maximum price that Essential Energy may levy for supplying sewerage services to Exempt Land is the **sewerage usage charge** calculated in accordance with clause 5.1 of this Schedule.

## Tables 5 to 7

**Table 5 Sewerage service charge for (i) Residential Properties; (ii) Non Residential Properties in Mixed Multi Premises with one or more Common Meters; (iii) Unmetered Properties; and (iv) Vacant Land**

	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Sewerage service charge (\$ per year)	510.20	510.20 x (1 + ΔCPI <sub>1</sub> )	510.20 x (1 + ΔCPI <sub>2</sub> )	510.20 x (1 + ΔCPI <sub>3</sub> )

**Table 6 Sewerage service charge for (i) Non Residential Properties with a single Individual Meter of 20mm or greater, or multiple Individual Meters of any size (other than a Mining Property); (ii) Metered Mining Properties; and (iii) Non Residential Properties within a Multi Premises with one or more Common Meters**

Meter size	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
<b>Sewerage service charge (\$ per year)</b>				
20mm	728.54	728.54 x (1 + ΔCPI <sub>1</sub> )	728.54 x (1 + ΔCPI <sub>2</sub> )	728.54 x (1 + ΔCPI <sub>3</sub> )
25mm	1,138.26	1,138.26 x (1 + ΔCPI <sub>1</sub> )	1,138.26 x (1 + ΔCPI <sub>2</sub> )	1,138.26 x (1 + ΔCPI <sub>3</sub> )
40mm	2,914.19	2,914.19 x (1 + ΔCPI <sub>1</sub> )	2,914.19 x (1 + ΔCPI <sub>2</sub> )	2,914.19 x (1 + ΔCPI <sub>3</sub> )
50mm	4,553.07	4,553.07 x (1 + ΔCPI <sub>1</sub> )	4,553.07 x (1 + ΔCPI <sub>2</sub> )	4,553.07 x (1 + ΔCPI <sub>3</sub> )
80mm	11,656.74	11,656.74 x (1 + ΔCPI <sub>1</sub> )	11,656.74 x (1 + ΔCPI <sub>2</sub> )	11,656.74 x (1 + ΔCPI <sub>3</sub> )
100mm	18,213.66	18,213.66 x (1 + ΔCPI <sub>1</sub> )	18,213.66 x (1 + ΔCPI <sub>2</sub> )	18,213.66 x (1 + ΔCPI <sub>3</sub> )
150mm	40,980.38	40,980.38 x (1 + ΔCPI <sub>1</sub> )	40,980.38 x (1 + ΔCPI <sub>2</sub> )	40,980.38 x (1 + ΔCPI <sub>3</sub> )
For Meter sizes not specified above, the following formula applies to each Meter:		$\frac{(\text{Meter size})^2}{400} \times (\text{20mm sewerage service charge for the applicable period})$		

**[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 or, in the case of a Non Residential Multi Premises which has a Common Meter, for that Multi Premises. A pro rata adjustment shall be made where the DF percentage is less than or greater than 100%.]

**Table 7 Sewerage usage charge for (i) Non Residential Properties; and (ii) Exempt Land**

	<b>Commencement Date to 30 June 2015</b>	<b>1 July 2015 to 30 June 2016</b>	<b>1 July 2016 to 30 June 2017</b>	<b>1 July 2017 to 30 June 2018</b>
Sewerage usage charge (\$ per kL of volume of sewage discharged)	1.22	1.22 x (1 + $\Delta\text{CPI}_1$ )	1.22 x (1 + $\Delta\text{CPI}_2$ )	1.22 x (1 + $\Delta\text{CPI}_3$ )

[Note: Please refer to clauses 5.1 and 5.2 for the calculation of 'volume of sewage discharged'.]

## Schedule 3 – Trade waste services

### 1 Application

This schedule sets out the maximum prices that Essential Energy may charge for the Monopoly Services under paragraph 2(c) of the Order (trade waste services).

### 2 Categories for pricing purposes

Maximum prices for trade waste services have been determined for 5 categories:

- (a) Category 1 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy;
- (b) Category 1a Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy;
- (c) Category 2 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy;
- (d) Category 3 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy; and
- (e) Trade Waste discharged by a Mining Property.

### 3 Maximum prices for Category 1 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 1 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW1 = A1 + C1 + T1$$

Where:

**TW1** = maximum price for Category 1 Trade Waste Discharge;

**A1** = Trade Waste discharge application fee (\$);

**C1** = annual Trade Waste fee (\$); and

**T1** = Trade Waste re-inspection fee (\$),

each as set out in Table 8.

## 4 Maximum prices for Category 1a Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 1a Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW1a = A1 + C1 + T1 + (NWU1 \times C)$$

Where:

**TW1a** = maximum price for Category 1a Trade Waste Discharge;

**A1** = Trade Waste discharge application fee (\$);

**C1** = annual Trade Waste fee (\$);

**T1** = Trade Waste re-inspection fee (\$); and

**NWU1** = non-compliant trade waste usage charge (\$/kL)<sup>1</sup>,

each as set out in Table 9; and

**C** = volume (in kL) of liquid Trade Waste<sup>2</sup> discharged to the Sewerage System.

## 5 Maximum prices for Category 2 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 2 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW2 = A2 + C2 + T2 + (TWU2 \times C)$$

Where:

**TW2** = maximum price for Category 2 Trade Waste Discharge;

**A2** = Trade Waste discharge application fee (\$);

**C2** = annual Trade Waste fee (\$);

<sup>1</sup> The non-compliant trade waste usage charge applies where Essential Energy determines that the required pre-treatment equipment has not been installed or properly maintained.

<sup>2</sup> The volume of liquid Trade Waste is the volume of water used by the Property multiplied by the trade waste discharge factor. The trade waste discharge factor is the percentage of liquid Trade Waste determined by Essential Energy to be discharged into the Sewerage System.

**T2** = Trade Waste re-inspection fee (\$); and

**TWU2** = Trade Waste usage charge (\$/kL) or the non-compliant trade waste usage charge (\$/kL)<sup>3</sup>, as the case may be,

each as set out in Table 10; and

**C** = volume (in kL) of liquid Trade Waste<sup>4</sup> discharged to the Sewerage System.

## 6 Maximum prices for Category 3 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 3 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW3 = A3 + C3 + T3 + (FWD \times B) + PH + BOD + EMC + NEMC$$

Where:

**TW3** = maximum price for Category 3 Trade Waste Discharge;

**A3** = trade waste discharge application fee (\$);

**C3** = annual trade waste fee (\$);

**T3** = trade waste re-inspection fee (\$);

**FWD** = annual food waste disposal (\$/bed) in the hospital, nursing home or other facility in which the food waste unit is installed;

**PH** = charge for exceeding approved PH range<sup>5</sup> (\$/kg);

**BOD** = charge for exceeding approved BOD range<sup>6</sup> (\$/kg),

each as set out in Table 11;

<sup>3</sup> The non-compliant trade waste usage charge applies where Essential Energy determines that the required pre-treatment equipment has not been installed or properly maintained.

<sup>4</sup> The volume of liquid Trade Waste is the volume of water used by the Property multiplied by the trade waste discharge factor. The trade waste discharge factor is the percentage of liquid Trade Waste determined by Essential Energy to be discharged into the Sewerage System.

<sup>5</sup> The charge applies to waste with a pH outside the range specified in Essential Energy's trade waste policy.

<sup>6</sup> The charge applies to waste with a Biochemical Oxygen Demand outside the range specified in Essential Energy's trade waste policy. BOD is defined as the amount of oxygen utilised by micro-organisms in the process of decomposition of organic material in wastewater over a period of five days at 20°C.

**B** = number of beds in the hospital, nursing home or other facility in which the food waste disposal unit is installed;

**EMC** = total excess mass<sup>7</sup> (\$/kg) as set out in Table 12; and

**NEMC** = non-compliant excess mass charge<sup>8</sup> (\$/kg) as set out in Table 12.

## 7 Maximum prices for Trade Waste discharged by a Mining Property

- (a) If Essential Energy has a trade waste agreement in respect of the discharge of Trade Waste by a Mining Property, the maximum price that may be levied by Essential Energy for:
- (1) Category 1 Trade Waste Discharge;
  - (2) Category 1a Trade Waste Discharge;
  - (3) Category 2 Trade Waste Discharge; or
  - (4) Category 3 Trade Waste Discharge,
- is the annual trade waste fee per operating mine set out in Table 13.
- (b) If Essential Energy does not have a trade waste agreement, the maximum price that may be levied by Essential Energy for:
- (1) Category 1 Trade Waste Discharge;
  - (2) Category 1a Trade Waste Discharge;
  - (3) Category 2 Trade Waste Discharge; or
  - (4) Category 3 Trade Waste Discharge,
- is to be determined in accordance with clauses 3 to 6 of this schedule 3 (as applicable).

<sup>7</sup> This charge applies for discharges of pollutants to the Sewerage System in excess of the pollutant limit set out in the relevant trade waste agreement with Essential Energy.

<sup>8</sup> The charges apply where a discharge quality fails to comply with the approved concentration limits of substances specified in Essential Energy's trade waste policy.

## 8 Maximum prices in Tables 8 to 13

The maximum prices in Tables 8 to 13 are to be increased for the following periods:

- (a) **from 1 July 2015 to 30 June 2016** - the corresponding charge in each of the Tables 8 to 13, multiplied by  $(1 + \Delta\text{CPI}_1)$ ;
- (b) **from 1 July 2016 to 30 June 2017** - the corresponding charge in each of the Tables 8 to 13, multiplied by  $(1 + \Delta\text{CPI}_2)$ ; and
- (c) **from 1 July 2017 to 30 June 2018** - the corresponding charge in each of the Tables 8 to 13, multiplied by  $(1 + \Delta\text{CPI}_3)$ .

## Tables 8 to 13

**Table 8 Trade Waste Charges Category 1 (\$2014/15)**

Charge	Commencement Date to 30 June 2014 <sup>b</sup>
Trade Waste discharge application fee <sup>a</sup> (\$ per application)	225.21
Annual Trade Waste fee (\$ per year)	104.47
Trade Waste re-inspection fee (\$ per inspection)	97.68

<sup>a</sup> Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy Policy for Discharge of Liquid Trade Waste.

<sup>b</sup> The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

**Table 9 Trade Waste Charges Category 1a (\$2014/15)**

Charge	Commencement Date to 30 June 2014 <sup>c</sup>
Trade Waste discharge application fee <sup>a</sup> (\$ per application)	225.21
Annual Trade Waste fee (\$ per year)	104.47
Trade Waste re-inspection fee (\$ per inspection)	97.68
Non-compliant Trade Waste usage charge <sup>b</sup> (\$ per kL)	1.95

<sup>a</sup> Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy Policy for Discharge of Liquid Trade Waste.

<sup>b</sup> Applicable when the required pre-treatment equipment has not been installed or properly maintained.

<sup>c</sup> The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

**Table 10 Trade Waste Charges Category 2 (\$2014/15)**

Charge	Commencement Date to 30 June 2014 <sup>c</sup>
Trade Waste discharge application fee <sup>a</sup> (\$ per application)	225.21
Annual Trade Waste fee (\$ per year)	700.05
Trade Waste re-inspection fee (\$ per inspection)	97.68
Trade Waste usage charge (\$ per kL)	1.95
Non-compliant Trade Waste usage charge <sup>b</sup> (\$ per kL)	17.91

<sup>a</sup> Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy Policy for the Discharge of Liquid Trade Waste.

<sup>b</sup> Applicable when the required pre-treatment equipment has not been installed or properly.

<sup>c</sup> The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

**Table 11 Trade Waste Charges Category 3 (\$2014/15)**

<b>Charge</b>	<b>Commencement Date to 30 June 2014<sup>b</sup></b>
Trade waste discharge application fee <sup>a</sup> (\$ per application)	225.21
Annual trade waste fee (\$ per year)	By quote
Trade waste re-inspection fee (\$ per inspection)	97.68
Annual food waste disposal (\$ per bed)	28.49
Charge for exceeding approved pH Range	Essential Energy policy for Discharge of Liquid Trade Waste
Charge for exceeding approved BOD Range	Essential Energy policy for Discharge of Liquid Trade Waste

<sup>a</sup> Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy policy for the Discharge of Liquid Trade Waste.

<sup>b</sup> The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

**Table 12 Excess Mass Charge (\$2014/15)**

<b>Charge</b>	<b>Commencement Date to 30 June 2014 (\$/kg)<sup>a</sup></b>
Acid demand, pH>10	0.88
Alkali demand, pH<7	0.88
Aluminium (Al)	0.88
Ammonia (as Nitrogen)	2.67
Arsenic (As)	88.19
Barium (Ba)	43.41
Biochemical Oxygen Demand (BOD)	0.88
Boron (B)	0.88
Bromine (Br <sub>2</sub> )	17.55
Cadmium (Cd)	407.01
Chloride	Nil
Chlorinated Hydrocarbons	43.41
Chlorinated Phenolic	1,758.28
Chlorine (Cl <sub>2</sub> )	nil
Chromium (Cr)	29.50
Cobalt (Co)	18.26
Copper (Cu)	18.26
Cyanide	88.19
Fluoride (F)	4.34
Formaldehyde	1.84
Grease and Oil (total)	1.57

<b>Charge</b>	<b>Commencement Date to 30 June 2014 (\$/kg)<sup>a</sup></b>
Herbicides/defoliant	879.13
Iron (Fe)	1.84
Lead (Pb)	43.41
Lithium (Li)	8.82
Manganese (Mn)	8.82
Mercaptans	88.19
Mercury (Hg)	2,930.46
Methylene blue active substances (MBAS)	0.88
Molybdenum (Mo)	0.88
Nickel (Ni)	29.50
Nitrogen (N) (Total Kjeldahl Nitrogen)	0.23
Non-compliant excess mass charge	As per the Essential Energy Policy for the Discharge of Liquid Trade Waste
Organoarsenic compounds	879.13
Pesticides general (excludes organochlorines and organophosphates)	879.13
Petroleum Hydrocarbons (non-flammable)	2.95
Phenolic compounds (non-chlorinated)	8.82
Phosphorous (Total)	1.84
Polynuclear aromatic hydrocarbons (PAH)	18.26
Selenium (Se)	61.77
Silver (Ag)	1.42
Sulphate (SO <sub>4</sub> )	0.17
Sulphide (S)	1.84
Sulphite (SO <sub>3</sub> )	1.96
Suspended Solids	1.12
Thiosulphate	0.31
Tin	8.82
Total Dissolved Solids	0.06
Uranium	8.82
Zinc (Zn)	17.97

<sup>a</sup> The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

**Table 13 Trade Waste Charges for mining or exploration activities (\$2014/15)**

<b>Charge</b>	<b>Commencement Date to 30 June 2014<sup>a</sup></b>
Annual trade waste fee per operating mine (\$ per year)	1,531.89

<sup>a</sup> The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

## Schedule 4 Ancillary and miscellaneous customer services

### 1 Application

This schedule sets out the maximum prices that Essential Energy may charge for Monopoly Services under paragraph 2(d) of the Order (ancillary and miscellaneous customer services for which no alternative supply exists and which relate to the provision of water supply services, sewerage services or trade waste services).

### 2 Ancillary and miscellaneous customer charges

The maximum charge that Essential Energy may levy for supplying an ancillary and miscellaneous customer service is:

- (a) **from the Commencement Date to 30 June 2015** - the corresponding charge in Table 14;
- (b) **from 1 July 2015 to 30 June 2016** - the corresponding charge in Table 14 multiplied by  $(1 + \Delta\text{CPI}_1)$ ;
- (c) **from 1 July 2016 to 30 June 2017** - the corresponding charge in Table 14 multiplied by  $(1 + \Delta\text{CPI}_2)$ ; and
- (d) **from 1 July 2017 to 30 June 2018** - the corresponding charge in Table 14 multiplied by  $(1 + \Delta\text{CPI}_3)$ .

### 3 Rounding rule

Where a charge for an ancillary and miscellaneous customer service calculated in accordance with clause 2 above is:

- (a) \$100 or more, the charge is to be rounded to the nearest whole dollar; and
- (b) less than \$100, the charge is to be rounded to the nearest 5 cents.

## Table 14

**Table 14 Charges for ancillary and miscellaneous customer services (\$2014/15)**

No	Ancillary and miscellaneous customer services	Charge (\$)
1	<b>Conveyancing Certificate</b> Statement of outstanding charges (CI 41 <i>Conveyancing (General) Regulation 2008</i> )	
	a) Full certificate with meter read	70.32
	b) Updated meter read request (special meter read) c) Full certificate with history search	52.72
	d) Urgent full certificate with meter read (within 48 hours)	123.54
		121.82
2	<b>Meter Test</b> Refunded if meter is $\pm 3\%$	73.09
3	<b>Drainage Diagram</b>	20.60
4	<b>Plumbing Inspection</b>	34.11
5	<b>Plumbers application</b>	36.44
6	<b>Site inspection for water and sewerage</b>	117.39
7	<b>Statement of available water pressure</b>	169.33
8	<b>Building plan approval – extension</b>	32.89
9	<b>Building plan approval – new connection</b>	49.73
10	<b>Fire Service application</b>	86.94
11	<b>Relocation/increase in size of water service (tapping fee)</b>	84.16
12	<b>Backflow prevention device testing and certification (per hour plus materials)</b>	70.49
13	<b>Install Water Service</b>	
	a) 20mm Service up to 3 metres	722.06
	b) 20mm Service over 3 metres and less than 30 metres	1,862.75
	c) All others	By quote
14	<b>Alter existing water service</b>	
	a) Actual Cost	By quote
	b) Relocate existing service	By quote
15	<b>Downgrade Meter Size</b>	
	a) 25mm to 20mm	92.80
	b) All others	By quote
16	<b>Repair damaged water service</b>	
	a) First repair within 5 year period	Nil
	b) Second and subsequent repairs (per hour plus materials)	92.80
17	<b>Rectification of Illegal Service</b>	226.15
18	<b>Replace Damaged Water Meter</b>	
	(a) First replacement in a 5 year period	Nil
	(b) 20mm	108.86
	(c) 25mm	214.36
	(d) 32mm	311.76

Table 14

<b>No</b>	<b>Ancillary and miscellaneous customer services</b>	<b>Charge (\$)</b>
	(e) 40mm	750.75
	(f) 50mm	936.47
	(g) 80mm	1,028.17
	(h) 100mm or greater	By quote
<b>19</b>	<b>Water Service Disconnection</b>	
	a) First disconnect within 1 year period	Nil
	b) Capping	90.54
	c) 20mm to 25mm	151.28
	d) 32m or greater	By quote
	e) Bitumen Repairs (\$ per metre) (minimum 1 metre)	17.61
<b>20</b>	<b>Water Service Reconnection</b>	
	a) First reconnect within 1 year period	Nil
	b) un-capping	97.46
	c) 20mm to 25mm	162.80
	d) 32m or greater	By quote
	e) Bitumen Repairs (\$ per metre) (minimum 1 metre)	17.61
<b>21</b>	<b>Asset Location</b>	
	a) Major or Critical Infrastructure (per hour)	92.80
	b) Minor or non-critical Initial Location	Nil
	c) Reinspect asset location (per hour)	92.80
<b>22</b>	<b>Relocate existing stop valve or hydrant</b>	By quote
<b>23</b>	<b>Replace water main before customer installations</b>	By quote
<b>24</b>	<b>Standpipe Hire</b>	
	a) Monthly (Minimum Charge)	29.99
	b) Annually	359.93
	c) Water usage charges (\$ per kL)	
	i. Treated	1.72
	iii. Untreated	1.51
<b>25</b>	<b>Personal Service of Final Warning Notice</b>	20.54
<b>26</b>	<b>Water Reconnections – after restrictions</b>	
	a) during business hours	88.58
	b) outside business hours	122.42

## Schedule 5 Definitions and Interpretation

### 1 Definitions

#### 1.1 General definitions

In this determination:

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

- (a) arises from an activity conducted on a Non Residential Property; and
- (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 Sewerage System.

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

- (a) arises from an activity conducted on a Non Residential Property; and
- (b) is deemed by Essential Energy to be of a low risk nature but to require a more sophisticated prescribed pre-treatment than Category 1 Trade Waste Discharge prior to its discharge into the Sewerage System.

**Category 2 Trade Waste Discharge** means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non Residential Property; and
- (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 Sewerage System.

**Category 3 Trade Waste Discharge** means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non Residential Property; and
- (b) is deemed by Essential Energy to be of either a high volume (over 20 kL 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 Sewerage System.

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

**Commencement Date** is defined in clause 2(b) of the *Preliminary* section of this determination.

**Common Meter** means a Meter which services a Multi Premises, where the Meter measures the water usage at that Multi Premises but not at 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 1989* (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.

**Determination No. 1 of 2010** means IPART's Determination No. 1, 2010 entitled "*Review of prices for Country Energy's water and sewerage services*".

**DF or Discharge Factor** means:

- (a) in relation to a Property (including a Property within a Multi Premises) with one or more Individual Meters, the percentage of water supplied to that Property which Essential Energy assesses or deems to be discharged into the Sewerage System; and
- (b) in relation to a Property within a Multi Premises with one or more Common Meters, the percentage of water supplied to that Multi Premises which Essential Energy assesses or deems to be discharged into the Sewerage System.

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

**Essential Energy** means a corporation established under the *Energy Services Corporations Act 1995* (NSW).

**Exempt Land** means land described in Schedule 4 of the Water Management Act.

**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 which services a Property, where the Meter measures the water usage at that Property.

**IPART** means the Independent Pricing and Regulatory Tribunal of New South Wales 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 water pipeline which runs from Menindee to Broken Hill.

**Meter** means an apparatus for the measurement of water.

**Metered Mining Property** means a Mining Property that is serviced by a single Individual Meter or multiple Individual Meters.

**Metered Non Residential Property** means a Non Residential Property that is serviced by a single Individual Meter or multiple 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.

**Metered Residential Property** means a Residential Property that is serviced by a single Individual Meter or multiple Individual Meters.

**Mining Property** means a Property that is not a Residential Property in the Broken Hill area and on which the primary activity that is undertaken is mining or exploration activities.

**Mixed Multi Premises** means a Multi Premises which contains both Residential Properties and Non Residential Properties.

**Monopoly Services** means the Monopoly Services as defined in clause 1(b) of the *Preliminary* section of this determination.

**Multi Premises** means land where there are two or more Properties located on it.

**Multi Premises Property** includes:

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

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

**Non Residential Property** 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 Order defined in clause 1(b) of the *Preliminary* section of this determination and published in the New South Wales Government Gazette No. 147 on 14 November 2008.

**Pipeline Property** means a property which may access Untreated Water via a direct connection to the Menindee Pipeline or the Umberumberka Pipeline.

**Property** includes:

- (a) a Strata Title Lot;
- (b) a Company Title Dwelling;
- (c) a Community Development Lot;
- (d) a building or part of a building lawfully occupied or available for lawful occupation as a separate place of domicile or a separate place of business, other than a building to which paragraphs (a) to (c) apply; and
- (e) land.

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

**Residential Multi Premises** means a Multi Premises containing only Residential Properties.

**Residential Property** means a Property where:

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

**Sewerage System** means the sewerage system of Essential Energy.

**Strata Title Building** means a building that is subject to a strata scheme under the *Strata Schemes (Freehold Development) Act 1973* (NSW).

**Strata Title Lot** means a lot as defined under the *Strata Schemes (Freehold Development) Act 1973* (NSW).

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

**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 Umberumberka to Broken Hill.

**Unmetered Property** means a Property that is not serviced by an Individual Meter or a Common Meter.

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

**Vacant Land** means land that:

- (a) has no capital improvements;
- (b) has no connection to the Water Supply System; and
- (c) is reasonably available for connection to the Water Supply System.

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

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

## 1.2 Consumer Price Index

- (a) 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.

$$(b) \Delta CPI_1 = \left( \frac{CPI_{March2015}}{CPI_{March2014}} \right) - 1$$

$$\Delta CPI_2 = \left( \frac{CPI_{March2016}}{CPI_{March2014}} \right) - 1$$

$$\Delta CPI_3 = \left( \frac{CPI_{March2017}}{CPI_{March2014}} \right) - 1$$

- (c) The subtext (for example March<sub>2014</sub>) when used in relation to the CPI in paragraph 1.2(b) above refers to the CPI for the quarter and year indicated (in the example, the March quarter for 2014).

## **2 Interpretation**

### **2.1 General provisions**

In this determination, unless the contrary intention appears:

- (a) headings are for convenience only and do not affect the interpretation of this determination;
- (b) a reference to a schedule, annexure, clause or table is a reference to a schedule, annexure, clause or table to this determination unless otherwise indicated;
- (c) 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;
- (d) words importing the singular include the plural and vice versa;
- (e) 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;
- (f) where a word is defined, other grammatical forms of that word have a corresponding meaning;
- (g) a reference to a day is to a calendar day;
- (h) 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;
- (i) a reference to an officer includes a reference to the officer which replaces it or which substantially succeeds to its powers or functions;
- (j) a reference to a body, whether statutory or not:
  - (1) which ceases to exist; or
  - (2) 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.

### **2.2 Explanatory notes, simplified outline, examples and clarification notice**

- (a) Explanatory notes, simplified outlines and examples do not form part of this determination, but in the case of uncertainty may be relied on for interpretation purposes.
- (b) IPART may publish a clarification notice in the NSW Government Gazette to correct any manifest error in this determination. Such a clarification notice is taken to form part of this determination.

### 2.3 Prices exclusive of GST

Prices or charges specified in this determination do not include GST (unless indicated otherwise).

### 2.4 Billing cycle of Essential Energy

- (a) For the avoidance of doubt, nothing in this determination affects when Essential Energy may issue a bill to a customer for prices or charges under this determination.
- (b) Essential Energy must levy any charge applying in this determination on a pro-rata basis, where:
  - (1) a Meter Reading Period traverses more than one period; or
  - (2) a billing period covers part of a period.

**[Note:** this clause 2.4(b) requires Essential Energy to levy charges (including service charges) on a pro-rata basis, meaning that any annual charges will be pro-rated based on the number of days falling within the relevant billing period. Billing frequency is dealt with in the customer contract available on Essential Energy's website.]

- (c) For the avoidance of doubt, if a Meter Reading Period or billing period commences before the Commencement Date and ends after the Commencement Date, the maximum price for the Monopoly Services applying to that Meter Reading Period or billing period is the charge calculated as follows:
  - (1) **for the number of days falling before the Commencement Date** – by applying the maximum price for the relevant Monopoly Service under Determination No. 1 of 2010, prior to that determination being replaced by this determination; and
  - (2) **for the number of days falling on or after the Commencement Date** – by applying the maximum price for the relevant Monopoly Service under this determination.

### 2.5 Apparatus for checking quantity of water used

For the purposes of this determination, where an apparatus is used by Essential Energy to check on the quantity of water use recorded by a Meter, that apparatus will not fall within the definition of a 'Meter'.

