

Schedule of Water & Sewerage Charges Effective from 1 July 2011

Under Section 310 of the *Water Management Act 2000* and Regulations, Essential Energy is required to set the maximum scale of charges to apply for the 12 months commencing on 1 July 2011 (in accordance with the IPART Determination and Final Report dated June 2010), as follows:

SCHEDULE 1 – WATER SUPPLY CHARGES

RESIDENTIAL - BROKEN HILL, MENINDEE, SUNSET STRIP and SILVERTON			
Access Charge		Usage Charge	
<i>Nominal Size of Water Service</i>	<i>Annual Access Charge (\$)</i>		<i>Charge cents / kL</i>
20mm	243.67	Treated Water Usage Charge	
25mm	380.54	Tier 1 (up to 1.096 kL/day*)	147 c/kL
32mm	624.22	Tier 2 ***(in excess of 1.096 kL /day*)	268 c/kL
40mm	974.72	Tier 1 Summer **(extra 0.549 kL/day in a 115 day period December to March)	147 c/kL
50mm	1,523.27	Chlorinated Water Usage Charge	
80mm	3,898.85	Tier 1 (up to 1.096 kL/day*)	102 c/kL
100mm	6,091.95	Tier 2 ***(in excess of 1.096 kL /day*)	199 c/kL
150mm	13,707.17	Tier 1 Summer **(extra 0.549 kL/day in a 115 day period December to March)	102 c/kL

VACANT LAND

All properties to be levied \$243.67 per property per annum

PIPELINE CUSTOMERS			
Access Charge		Usage Charge	
<i>Nominal Size of Water Service</i>	<i>Annual Access Charge (\$)</i>		<i>Charge cents / kL</i>
20mm	243.67	Untreated Water Usage Charge	
25mm	380.54	Tier 1 (up to 1.096 kL/day*)	71 c/kL
32mm	624.22	Tier 2 (in excess of 1.096 kL /day*)	113 c/kL
40mm	974.72		

NON RESIDENTIAL - BROKEN HILL, MENINDEE, SUNSET STRIP and SILVERTON			
Access Charge		Usage Charge	
<i>Nominal Size of Water Service</i>	<i>Annual Access Charge (\$)</i>		<i>Charge cents / kL</i>
20mm	243.67	Treated Water Usage Charge per Quarter	
25mm	380.54	Tier 1 (up to 1.096 kL/day*)	147 c/kL
32mm	624.22	Tier 2 ***(in excess of 1.096 kL /day*)	268 c/kL
40mm	974.72	Tier 1 Summer **(extra 0.549 kL/day in a 115 day period December to March)	147 c/kL
50mm	1,523.27	Untreated Water Usage Charge	
80mm	3,898.85	Any measured amount	145 c/kL
100mm	6,091.95	Chlorinated Water Usage Charge	
150mm	13,707.17	Tier 1 (up to 1.096 kL/day*)	102 c/kL
		Tier 2 ***(in excess of 1.096 kL /day*)	199 c/kL
		Tier 1 Summer **(extra 0.549 kL/day in a 115 day period December to March)	102 c/kL
		Effluent Water Usage Charge	
		Any measured amount	56 c/kL

* calculated on the number of days between meter reading

** To apply within a 115 day period in the summer quarter – 1 December 2011 to 24 March 2012

***The tier two consumption price applies when water consumption exceeds 1.096 kilolitres per day or 1.645 kilolitres per day in the summer quarter multiplied by the number of days between a customer's meter reading.

OPERATING MINES

Water Access Charge

Annual water supply access charge of \$1.27779 million

Water Usage Charge

Water usage charge of \$2.0745/kL for all treated water usage with minimum payment of \$1.535103 million

SCHEDULE 2 – SEWERAGE and TRADE WASTE CHARGES

SEWERAGE SERVICE CHARGES CITY OF BROKEN HILL

Residential Land: The service charge shall be a fixed charge of \$465.10 per customer service connection per year. In respect of any chargeable land used as the site of a block of company or community title units or flats shall be treated as a single non-residential assessment.

Non Residential Land:

Sewer Access Charge

Nominal Size of Service *Annual Access Charge (\$)*

20mm	652.25
25mm	1,019.06
32mm	1,670.08
40mm	2,608.99
50mm	4,076.24
80mm	10,435.94
100mm	16,306.16
150mm	36,688.57

Sewer Usage Charge

All kilolitres 112c/kL

Sewer Discharge Factor

An appropriate sewer discharge factor is applied to the final sewerage calculation for non-residential customers.

Vacant Land: The service charge shall be a fixed charge of \$465.10 per property or customer service connection per year, which ever is greater.

SEWERAGE AND TRADE WASTE CHARGES FOR EACH OPERATING MINE

Residential: The sewerage service charge for mining company houses shall be \$465.10 per occupied house.

Non-residential: The sewerage service charge shall be the non residential service charge based on the water supply service connection meter size. The sewer usage charge shall be \$1.12/kL of non-residential discharge to the sewerage system.

Trade waste: Annual trade waste fee shall be \$1,396.46 for each operating mine.

Applicable trade waste usage charge or excess mass charge as detailed below.

These charges will apply until a liquid trade waste agreement has been implemented.

WATER AND SEWERAGE CHARGES IN RESPECT OF LANDS EXEMPT UNDER SCHEDULE 4

- i) **Water** - Land which is exempt from service access charges under Schedule 4 of the Act; shall be charged on the treated water usage recorded by the water service times the charge of \$2.27 /kL.

- ii) **Sewer** - Land which is exempt from service access charges under Schedule 4 of the Act; shall be charged on the water usage recorded by the water service times by the sewer usage charge of \$1.12/kL times by the relevant Sewer Discharge Factor as per the DWE Liquid Trade Waste Management Guidelines 2005.

TRADE WASTE CHARGES FOR NON-RESIDENTIAL CUSTOMERS CITY OF BROKEN HILL

Non Residential Land:

Trade Waste Charges

Category 1 (Low Risk. Nil or only minimal liquid trade waste pre-treatment equipment required)

Application fee*	\$201.62
Annual Trade Waste Fee	\$93.53
Re-inspection Fee	\$87.45

Category 1a (Low Risk. Require more sophisticated prescribed liquid trade waste pre-treatment equipment)

Application fee*	\$201.62
Annual Trade Waste Fee	\$93.53
Re-inspection Fee	\$87.45
Non Compliant Trade Waste Usage Charge**	\$1.75/kL

Category 2 (Medium Risk. Require prescribed liquid trade waste pre-treatment equipment)

Application fee*	\$201.62
Annual Trade Waste Fee	\$626.74
Re-inspection Fee	\$87.45
Trade Waste Usage Charge	\$1.75/kL
Non Compliant Trade Waste Usage Charge***	\$16.03/kL

Category 3 (High Risk. Industrial and large volume dischargers)

Application fee*	\$201.62
Annual Trade Waste Fee	Set on a case by case basis depending on the complexity of monitoring required
Re-inspection Fee	\$87.45
Approved pH Range	as per the Essential Energy Policy for the Discharge of Liquid Trade Waste
Approved BOD Range	as per the Essential Energy Policy for the Discharge of Liquid Trade Waste
Food Waste Disposal	\$25.50/bed

* Not applicable to those dischargers exempted from obtaining an approval for liquid trade waste discharge as per the Essential Energy Policy for the Discharge of Liquid Trade Waste

** Applicable to dischargers who have not installed or properly maintained pre-treatment equipment

*** Applicable to discharges who have not installed or properly maintained pre-treatment equipment

Excess Mass Charge	\$/kg
acid demand, pH>10	0.79
Alkali demand, pH<7	0.79
Aluminium	0.79
Ammonia* (as N)	2.40
Arsenic	78.95
Barium	38.87
Biochemical oxygen demand (BOD)	0.79
Boron	0.79
Bromine	15.72
Cadmium	364.38
Chloride	No charge
Chlorinated hydrocarbons	38.87
Chlorinated phenolic	1,574.14
Chlorine	1.64
Chromium	26.40
Cobalt	16.35
Copper	16.35
Cyanide	78.95
Fluoride	3.88
Formaldehyde	1.64
Oil & Grease (Total O & G)	1.40
Herbicides/defoliants	787.07
Iron	1.64
Lead	38.87
Lithium	7.89
Manganese	7.89
Mercaptans	78.95
Mercury	2,623.56
Methylene blue active substances (MBAS)	0.79
Molybdenum	0.79
Nickel	26.40
Nitrogen* (as TKN Total Kjeldahl Nitrogen)	0.21
Organoarsenic compounds	787.07
Pesticides general (excludes organochlorines and organophosphates)	787.07
Petroleum hydrocarbons (non-flammable)	2.63
Phenolic compounds (non-chlorinated)	7.89
Phosphorous (Total P)	1.64
Polynuclear aromatic hydrocarbons (PAHs)	16.35
Selenium	55.32
Silver	1.26
Sulphate* (SO ₄)	0.15
Sulphide	1.64
Sulphite	1.76
Suspended Solids (SS)	1.01
Thiosulphate	0.28
Tin	7.89
Total Dissolved Solids (TDS)	0.06
Uranium	7.89
Zinc	16.09
Non Compliant Excess Mass Charge	as per the Essential Energy Policy for the Discharge of Liquid Trade Waste