Inquiry on Water Corporation's Tariffs

REVISED FINAL REPORT

23 January 2008

Economic Regulation Authority
WESTERN AUSTRALIA

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Errata

Following the public release of the Authority's Final Report on the Water Corporation's tariffs for 2008/09, an error was identified in the model used to determine tariffs. The error resulted in the publication of several incorrect tables in the original report.

The affected tables have been corrected and a Revised Final Report released. The Revised Final Report is available on the Authority's web site (www.era.wa.gov.au).

A copy of the Revised Final Report showing the corrections made to the original is also available on the Authority's web site.

All other information contained in the original final report remains unchanged.

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Foreword

The Western Australian Government has requested the Economic Regulation Authority (**Authority**) to conduct an annual inquiry into the Water Corporation's tariffs as input into the Government's 2008 Budget deliberations.

The Terms of Reference provide that:

> While a major review of tariffs is envisaged, perhaps once every three years, the annual reviews under these Terms of Reference would be more limited and may focus on particular issues of relevance at the time.

Accordingly, this is not a major review, which is envisaged to occur once every three years, but is limited to advice in relation to the Corporation's tariff proposals to the State Government.

The Authority's role in this inquiry is provided for in the *Economic Regulation Authority Act 2003* and is also consistent with the Government's commitment to implement the National Water Initiative, which requires an independent regulator to either set or review water prices.

The Authority is pleased to undertake this role in Western Australia and has provided a set of recommendations in this report that reflects the Authority's assessment of the Corporation's tariff proposals.

LYNDON ROWE
CHAIRMAN

Recommendations

1) **The Authority agrees with the Corporation's proposal to increase volumetric charges in 2008/09 to reflect a transition to a higher LRMC estimate (the higher LRMC estimate is to be reassessed as part of a major review in 2008/09).**
2) **The Authority recommends that the increased estimate of LRMC be adopted as the new target for 2013/14 volumetric charges for consumption above 550 kL per year for residential customers and as a single volumetric charge for non-residential customers.**
3) **The Authority notes that there is a need for a minor adjustment in revenue to compensate for an inconsistency in the adjustment for inflation in 2007/08. Future tariff revenue should therefore be adjusted downwards by the equivalent of 0.35 per cent of tariff revenue in 2007/08.**

1 Introduction

On 28 September 2007, the Treasurer of Western Australia gave written notice to the Economic Regulation Authority (**Authority**) to undertake an inquiry into the Water Corporation's (**Corporation**) residential and non-residential tariffs for the 2008-09 financial year.

1.1 Terms of Reference

This inquiry has been referred to the Authority under Section 32 of the *Economic Regulation Act 2003* (**Act**), which provides for the Treasurer to refer to the Authority inquiries on matters related to regulated industries (i.e. water, gas, electricity and rail industries).

The Terms of Reference are provided in Appendix 1.

In accordance with the Terms of Reference, the Authority will make recommendations on the most appropriate level of tariffs for the Corporation's customers. More specifically, the Authority is to investigate and report on the following matters:

- based on the Corporation's fees and charges submission to Government, the Authority is to provide advice on an annual basis, on the appropriate tariff levels for the Water Corporation's services (residential and non residential).
- the impact on the Water Corporation's customers associated with the recommended tariff levels.
- the impact on the State Government's net financial position associated with the recommended tariff levels.

In examining the Corporation's tariffs, the Authority is required by the Terms of Reference to have regard to the Government's social, economic and environmental policy objectives and to the following policies:

- the pricing principles of the 1994 Council of Australian Governments water reform agreement and the National Water initiative;
- the Western Australian State Government's Uniform Pricing Policy;
- the Western Australian State Government's Sustainability Policy;
- the Western Australian State Government's Community Service Obligation Policy; and
- the pricing mechanisms available to the Water Corporation through the *Water Agencies (Powers) Act 1984.*

In undertaking the inquiry, the Authority recognises section 26 of the Act, which requires the Authority to have regard to:

- the need to promote regulatory outcomes that are in the public interest;
- the long-term interests of consumers in relation to the price, quality and reliability of goods and services provided in relevant markets;
- the need to encourage investment in relevant markets;

- the legitimate business interests of investors and service providers in relevant markets;
- the need to promote competitive and fair market conduct;
- the need to prevent abuse of monopoly or market power; and
- the need to promote transparent decision making processes that involve public consultation.

1.2 Background to the Inquiry

This inquiry follows previous investigations by the Authority, at the request of the Western Australian Government, into the Corporation's pricing in the metropolitan and country areas of Western Australia.

- On 4 November 2005, the Authority provided the Final Report of the Inquiry on Urban Water and Wastewater Pricing.
- On 23 June 2006, the Authority provided the Final Report of the Inquiry on Country Water and Wastewater Pricing.

Following these two major inquiries, the Treasurer requested the Authority to undertake annual inquiries into the Corporation's tariffs as input into the Government's Budget deliberations. The first such report was provided to the Treasurer on 7 May 2007.

An annual inquiry is not intended to be a comprehensive reassessment of the Corporation's pricing, but rather an update that takes into account information that has come to hand in the preceding year. The Terms of Reference indicate that a comprehensive assessment of the Corporation's pricing could be undertaken perhaps once every three years (the next comprehensive assessment would be in 2008/09).

All of the Authority's reports on water pricing inquiries have been tabled in the Western Australian Parliament and are available on the Authority's web site.

The role of the Authority in providing advice to the Western Australian Government on water pricing is provided for in the *Economic Regulation Authority Act 2003* and is consistent with the Intergovernmental Agreement on a National Water Initiative, which was signed by the Premier of Western Australian on 6 April 2006.

1.3 Review Process

In recommending tariffs for 2008/09, the Authority's main task is to review the Corporation's tariff proposals and provide advice to the Treasurer as to whether the Authority concurs or otherwise with the Corporation's proposals.

The Terms of Reference indicate that the Authority is to be provided with the Water Corporation's fees and charges submission to Government. However, the Department of Treasury and Finance has advised that this is not possible for this year as the Corporation's submission is due to Government at the same time as the Authority's report is due. However, the Corporation has advised the Authority of the content of its submission. The Authority has therefore based its advice on this correspondence with the Corporation rather than on its submission to Government.

It should be noted that the Authority has not reviewed the Corporation's proposed capital expenditure programme as part of this inquiry. Such analysis is undertaken as part of a major review. However, it is understood that the capital expenditure programme will be considered by the Expenditure Review Committee of Cabinet on 13 February 2008.

The Authority is required to submit its Final Report to the Treasurer by 24 December 2007.

In accordance with the Act, the Treasurer will have 28 days, from the date of receipt of this report, to table the report in Parliament.

In accordance with section 45 of the Act, the Authority has acted through the Chairman and Members in conducting this inquiry.

1.4 Relevant Information Received by the Authority

The Authority has received the following information of relevance to this inquiry:

- On 13 December 2007, the Corporation provided the Authority its capital expenditure proposals that are to be considered by the Expenditure Review Committee at its meeting of 13 February 2008.
- On 13 December 2007, the Corporation also provided to the Authority the capital expenditure programme that is consistent with the advice the Department of Treasury and Finance has indicated it will be providing to the Expenditure Review Committee.
- On 17 December 2007, the Department of Treasury and Finance provided to the Authority the inflation rate that it recommends be used for the purpose of escalating tariffs in 2008/09.
- On 21 December 2007, the Corporation provided an indication of the content of its submission to Government that is due in mid January 2008. The correspondence with the Corporation indicated its recommended approach to setting tariffs for the 2008/09 financial year.
- On 21 December 2007, the Department of Treasury and Finance provided the Authority with the final report of the Working Group on Country Commercial Water Tariffs. The report recommends to Government significant changes to the approach used for setting country commercial tariffs (two members of the Secretariat of the Authority provided technical advice to the Working Group). These recommendations are discussed in section 1.6.

1.5 Summary of the Government's Current Approach to Setting Water and Wastewater Tariffs

The Government has endorsed an approach to tariff setting such that the Corporation is able to recover fully the costs it incurs in service provision.[1] These costs include a return *on* capital (calculated as a market rate of return multiplied by the asset base), a return *of*

[1] The approach adopted by the Authority is to estimate costs over the upcoming ten year period and determine tariffs that ensure these costs are recovered over the longer term (in present value terms). That is, costs are recovered in full, however, in any given year there may be either an under or over recovery of costs. Over the longer term, tariffs will be determined such that costs will be recovered, but no more.

capital (depreciation of existing assets) and operating costs (subject to an efficiency target).

The revenue raised from individual customers is influenced by Government policies such as the uniform tariff policy for residential water services, property valuation based charging for residential wastewater services, and caps on country residential wastewater charges. In situations where tariffs are not sufficient to cover the Corporation's costs of providing the service, the Corporation receives a Community Service Obligation (**CSO**) payment from the State Government. CSOs are also paid in other instances such as revenue concessions for pensioners.

The structure of water tariffs consists of a fixed charge (i.e. a charge payable regardless of volume consumed) and a volumetric charge. The fixed charge is the same for all residential customers regardless of whether they live in metropolitan or country areas (due to the uniform tariff policy). The fixed charge for commercial customers is related to the size of the water meter installed and is also consistent between metropolitan and country customers.

Metropolitan and country volumetric charges are applied via a series of 'inclining blocks'. The inclining blocks are implemented such that the price per kL increases in a stepped fashion as consumption increases. For country residential customers, the volumetric charges are consistent up to the uniform tariff threshold, above which the volumetric charge is based on location specific costs. For country commercial customers, volumetric charges vary depending on the location.

In calculating the volumetric charges for metropolitan customers, the Government has adopted Long Run Marginal Cost (**LRMC**) pricing.[2] Under a LRMC pricing approach, volumetric prices are calculated with reference to the costs likely to be incurred in developing additional water sources due to a change in demand.[3] The LRMC reflects the marginal cost of supply compared to marginal changes in demand over periods extending as much as 100 years into the future. The LRMC calculation takes into account all future sources – both inexpensive and expensive – as well as the assets needed to integrate the new sources into the supply system.

The purpose of LRMC pricing is, at least to some extent, replicate the outcomes of a market where price would equilibrate at a point that reflects not only the cost of production but also the value of current consumption, including the impact of current consumption on future supply.

The Government is phasing-in LRMC pricing to metropolitan residential customers by 2013/14. This is being done by gradually phasing-out existing tariff structures, which for residential customers consist of five inclining blocks, and replacing these with three inclining blocks. Currently, the three blocks cover consumption from 0 to 550 kL per year, 551 kL to 950 kL per year, and consumption in excess of 950 kL per year. The prices charged in the first two blocks represent the lower and higher estimates of LRMC. The price of the third block was retained at the existing top rate for residential consumption.

[2] It should be noted that the reference to LRMC pricing in this context is different to the theoretical economic concept of LRMC. Theoretical LRMC refers to a situation where all factors of production are variable in the production of a given quantity. LRMC pricing in the sense that regulators have adopted is actually an incremental cost associated with the introduction of additional sources of supply. LRMC often results in a range of estimates which are used to guide decisions regarding volumetric charges applied to each step of an inclining block.

[3] There are two commonly adopted approaches to the calculation of LRMC; the perturbation and average incremental cost approaches. While the methodologies differ, both attempt to reflect the cost of bringing online additional sources. The Authority has used the perturbation method.

Charges for metropolitan non-residential customers are transitioning to the lower estimate of LRMC.

This adjustment process will result in some volumetric charges rising while others will fall, depending on their initial starting point. The level of the fixed charge will alter to ensure revenue neutrality.

Country customers do not have their volumetric charges set in relation to LRMC. For country residential customers, their volumetric charges are the same as for the metropolitan area up to the uniform tariff threshold (300 kL per annum for customers in the south of the State and 500 kL per annum for customers in the north of the State). Above the uniform tariff threshold, country residential customers face charges that reflect the costs of the particular class that their town is assigned to (there are five classes of towns with progressively higher volumetric charges). Country commercial water customers are not intended to be beneficiaries of the uniform tariff policy. However, the maximum volumetric charges for both residential and non-residential customers are capped at $5.00 per kL (dollars as at 30 June 2005).

Residential wastewater tariffs are set on a fixed annual basis in line with estimates of the Gross Rental Value (GRV) of the property. As property values increase, charges are adjusted to maintain the required amount of revenue for the wastewater service. In the country, residential wastewater charges are calculated on a scheme by scheme basis and are subject to minimum and maximum charges.

Commercial wastewater tariffs are uniform across the State. The fixed charge is linked to the customer's number of fixtures. The volumetric charge is approximated by using the customer's water usage and a discharge factor.

1.6 Working Group on Country Commercial Water Tariffs

The Authority conducted an inquiry into country water and wastewater pricing in 2006.[4] Most of the recommendations in the final report were endorsed by Government and implemented from 1 July 2007. However, some of the recommendations relating to changes to the classification of commercial country customers were set aside for further investigation. A working group was established to consider a proposal to move away from the existing arrangements to a more cost reflective approach. The Working Group on Country Commercial Water Tariffs comprised officials from the Department of Treasury and Finance and Department of Water, with technical support provided by the Corporation and Secretariat of the Authority.

The current arrangements are such that country towns are categorised as either Group A (generally towns in the south of the State) or Group B (towns in the north). Within these categories (Group A and Group B), towns are then grouped into five classes according to the direct cost of service provision. Customers in towns within each class face the same water tariffs.

The Working Group has recommended an alternative approach for country commercial water customers. Under the alternative approach, country schemes are to be divided into 15 groups (referred to as steps) based on the cost of providing water. Volumetric charges for each step are set to approximate the average cost of providing water for schemes within that step. A fixed uniform annual service charge for all schemes (consistent with

[4] The report can be found on the Authority's web page: www.era.wa.gov.au/2/109/46/country_water_a.pm

current government policy) is retained, using the volumetric charges as the balancing item to achieve cost reflective pricing.

The Working Group considered various other options for splitting the country schemes into groups and also considered scheme specific charges. The recommended option of 15 steps was preferred as it was considered that it struck the most appropriate balance between ensuring schemes are charged at (or near to) total cost reflective prices, yet still being administratively practical. Furthermore, any change to a scheme's circumstances could be effectively managed to minimise adverse customer impacts and/or annual price fluctuations.

The Authority has incorporated the Working Group's recommendations regarding country commercial water tariffs in its modelling.

2 Summary of the Corporation's Tariff Proposals

The Corporation has advised the Authority of its recommended approach to setting tariffs for the 2008/09 financial year.

According to the Corporation, its proposed tariffs for 2008/09 are based on:

- its proposed capital expenditure programme;
- the inflation rate recommended by the Department of Treasury and Finance;
- the recommendations of the Working Group on Country Commercial Water Tariffs;
- with the exception of country commercial water tariffs, previous Government-endorsed principles of setting water and wastewater tariffs (as summarised in section 1.5); and
- a view that LRMC has increased significantly which results in an increase in volumetric charges and a decrease in fixed water charges.

In addition to the above factors, there are a range of assumptions included in the Corporation's modelling, which include:

- an operating expenditure efficiency target which is consistent with the Government's decision in the 2006 Budget; and
- that sprinkler restrictions will remain at their present level. This level of restrictions implies water usage will be maintained at 155 kL per person per year.

3 Issues

In reviewing the Corporation's tariff proposals, the Authority considers that the substantive issues are in relation to:

- the appropriateness of the Corporation's proposal to increase volumetric charges to reflect a significantly higher, albeit unspecified, estimate of LRMC;
- the capital expenditure programme, which is greater than that which the Department of Treasury and Finance has indicated should be funded; and
- the method used to escalate tariffs for inflation.

3.1 Water Tariff Structure

It is likely that the estimates of LRMC upon which volumetric charges are based have increased significantly since the Authority's water pricing advice last year. The predominant factor for this increase is the decision to set aside the South West Yarragadee as a future water source for Perth and rely predominantly on desalination plants.

A major review of LRMC is scheduled to be undertaken alongside the major review of the Corporation's operations scheduled for 2008-09. However, the Authority is aware that the Corporation has already undertaken a substantial amount of work on reviewing the estimates of LRMC and that this modelling indicates that the revised estimates of LRMC could be at least $1.50 per kL and most likely $1.70 per kL (in comparison to the estimates of $0.92 and $1.34 per kL, in real dollar values of 2007/08, which have been used to set metropolitan water tariffs in previous budgets)[5].

Despite the absence of a robust current estimate of LRMC, the Authority generally agrees with the Corporation that the usage charge targets should be increased and that a rebalancing of tariffs should commence in 2008/09.

The Corporation's proposal to set the LRMC targets (i.e. the usage charges that would be phased-in by 2013/14) with reference to the current highest metropolitan usage charge ($1.66 per kL) is considered by the Authority to be a reasonable approach in the absence of a major review of LRMC. The increase in usage charges that would apply in 2008/09 would be 1/6th of the increase that would eventually be required to achieve the target in 2013/14.

Other reasons for supporting the implementation of a revised estimate of LRMC, as suggested by the Corporation, include:

- Leaving the volumetric charges unadjusted could lead to a price shock in the future.
- Leaving the volumetric charge unchanged may create distortions in the market. For example, alternative sources such as recycling of wastewater for use as a substitute for potable water may remain unviable if the price remains artificially low.

[5] Note that in previous water pricing reports the Authority referred to these charges in real dollar values of 2005/06, which are $0.82 per kL and $1.20 per kL.

In adopting a revised target for LRMC based on the current highest metropolitan usage charge, the Authority considers it appropriate that it be applied to the top two consumption blocks. That is, the target price for consumption between 551 kL and 950 kL, and consumption in excess of 950 kL, be aligned and set equal to the revised target of LRMC. However, the Authority is of the view that any structural changes to tariffs beyond the alignment of the top two blocks should be considered as part of the major structural review which is expected to be undertaken during 2008/09.

The target volumetric charge for metropolitan non-residential customers has also been adjusted to reflect the new estimate of LRMC.

It should be noted that if volumetric charges are increased, the Corporation will not necessarily increase its revenue. An increase in volumetric charges is offset by a corresponding reduction in the fixed charge such that the Corporation recovers only its efficient costs.

The impact on households' water bills of implementing the revised target estimate of LRMC, relative to retaining the current target, is shown in Table 3.1 below.

Table 3.1 Projected Changes in Water Payments for Metropolitan Customers Assuming the Current Highest Metropolitan Usage Charge is Applied Above 550 kL Versus Assuming Volumetric Charges Continue to Transition to the Existing LRMC Targets

Representative Residential Customer (Water Usage Per Year)	Average annual change in water bill 2008/9 to 2016/17 (real dollar values of 2007/08)	
	Increasing the LRMC targets	Retaining the current LRMC targets
150 kL	$20 per year	$21 per year
250 kL	$22 per year	$23 per year
350 kL	$24 per year	$25 per year
550 kL	$21 per year	$22 per year
750 kL	$32 per year	$21 per year

Recommendation

1) The Authority agrees with the Corporation's proposal to increase volumetric charges in 2008/09 to reflect a transition to a higher LRMC estimate (the higher LRMC estimate is to be reassessed as part of a major review in 2008/09).

2) The Authority recommends that the increased estimate of LRMC be adopted as the new target for 2013/14 volumetric charges for consumption above 550 kL per year for residential customers and as a single volumetric charge for non-residential customers.

3.2 Capital Expenditure

Since the Authority last provided advice to the Government on the Corporation's tariffs as part of the 2007 Budget, the Corporation's proposed capital expenditure programme for the period 2007/08 to 2016/17 has increased by $1,677 million in present value terms (real dollar values of 30 June 2007). The increase is due to:

- the Government's decision to approve funding for a second desalination plant rather than the Corporation's proposal to take water from the South West Yarragadee (an additional $116 million);
- other metropolitan water capital expenditure (an additional $465 million);
- metropolitan wastewater capital expenditure (an additional $283 million);
- metropolitan drainage capital expenditure (an additional $118 million);
- country water capital expenditure (an additional $548 million); and
- country wastewater and drainage capital expenditure (an additional $147 million).

The level of capital expenditure which the Corporation can undertake in a given year is determined following review by the Expenditure Review Committee of Cabinet. As part of this process, the Corporation provides the Committee with a submission outlining expected expenditure over the next five years. The Committee reviews the proposed expenditure and allows what it considers to be the appropriate level of expenditure. The approved expenditure is then included in the Corporation's asset base and recovered via tariffs.

It is understood that the Expenditure Review Committee will meet on 13 February 2008 to determine the level of capital expenditure to be funded during the 2008-09 financial year. For the purpose of this inquiry, the Authority has provided tariffs consistent with the Department of Treasury and Finance's preliminary advice to the Expenditure Review Committee in the body of this report and provided tariffs consistent with the Water Corporation's proposals in Appendix 2. The Department of Treasury and Finance is recommending the Government fund capital expenditure that is $216 million less than proposed by the Corporation (in present value terms over the period 2007/08 to 2016/17, in real dollar values of 30 June 2007).

3.3 Tariff Escalation for Inflation

A further difference relates to the method used to account for inflation in the escalation of tariffs.

- The Department of Treasury and Finance has requested the Corporation include in its tariff proposals an adjustment to tariffs to reflect the annual change in the average Perth Consumer Price Index (CPI) for the last four quarters for which data is available (the four quarters ending September 2007).
- This approach differs to the method advised by the Department of Treasury and Finance for the 2007/08 Budget, which was to adjust tariffs to reflect the annual change in the September quarter value of the Perth CPI.

In the event that tariffs had been adjusted for inflation on a consistent basis using the Department of Treasury and Finance's latest advice, which the Department indicates is their preferred approach, tariffs in 2008/09 would be lower by 0.35 per cent (or $3 million in real dollar values of 2007/08).

For the purpose of this inquiry, the Authority has made an adjustment in the financial model to recoup from future tariffs the over-recovery of revenue received in 2007/08.

Recommendation

3) The Authority notes that there is a need for a minor adjustment in revenue to compensate for an inconsistency in the adjustment for inflation in 2007/08. Future tariff revenue should therefore be adjusted downwards by the equivalent of 0.35 per cent of tariff revenue in 2007/08.

3.4 Issues for the Next Major Inquiry

For this annual review, the Authority has based its advice on policy decisions made by the Government in response to past inquiries. While the Authority has alternative views to the Government on some issues, the Authority accepts that the Government has made its decisions on those matters. These matters are more appropriately reconsidered as part of the next major review of the Corporation's tariffs in 2008/09.

The tariffs proposed as part of this inquiry are inconsistent with the Authority's views in the following areas:

- Residential wastewater charges continue to be set on the basis of property values rather than in a more cost-reflective manner;
- LRMC pricing will not be in place for another six years due to the Government's phase-in approach, whereas the Authority considers that a faster transition period would be appropriate;
- Tariffs are escalated on the basis of the Perth Consumer Price Index (CPI) rather than on the basis of an Australia-wide index which would be more appropriate given that the Corporation's costs are influenced more by Australia-wide inflationary conditions than local conditions.

Another substantive issue that should be considered as part of the next major review is the method of calculating fixed water charges for commercial customers. Fixed charges for commercial customers are based on the diameter of the meter installed. Meters range in size from 20 mm to 350 mm.[6] The annual fixed charge increases in proportion with the size of the meter. The Authority's concern is that small commercial customers and residential customers, who each have 20 mm meters, are paying very different fixed charges with the fixed charge for commercial customers being approximately 3.5 times that of residential customers. It may be appropriate to align the fixed charges to residential and commercial customers using 20mm meters.

A further issue relates to the structure of water tariffs, especially the structure of the volumetric consumption blocks. The methodology adopted in this report aligns the top two blocks and sets this charge with reference to the revised target of LRMC. As part of the next major review, it would be appropriate to reconsider the number of consumption blocks as well as the level of consumption at which consumers are exposed to LRMC.

[6] Some 15 mm meters are installed. These are charged on the same basis as 20 mm meters.

4 Recommended Tariffs

The Authority's recommended tariffs are consistent in principle with the Corporation's proposals. Further, given that the Corporation and the Authority use the Authority's financial model, there is general agreement on the technical approach to calculating tariffs.

The most substantive difference between the tariffs reported here and the tariffs in the Corporation's submission should be in relation to the capital expenditure assumption. As indicated in section 3.2, the tariffs in the main body of this report reflect the Department of Treasury and Finance's recommendations rather than the Corporation's recommendations. However, the tariffs consistent with the Corporation's capital expenditure proposals are provided in Appendix 2. A further difference is due to the adjustment in the financial model to recoup the over-recovery of revenue received in 2007/08 as a result of the inconsistent treatment of inflation (as discussed in section 3.3).

The Authority has calculated that the projected costs justify an increase in the average price of water services, expressed as a price per kilolitre of water delivered, to metropolitan customers from $1.36 in 2007/08 to $1.81 in 2013/14 (in real dollar values of 2007/08). This represents an increase of 34 per cent over the next six years.

The following table shows the Authority's proposed tariffs for 2008/09 (incorporating the DTF's capital expenditure programme) compared to tariffs in 2007/08. Complete listings of the Authority's proposed tariffs in nominal and real dollars (2007/08 dollars) are contained in appendices 4 and 5.

Table 4.1 Proposed Tariffs for 2008/09

Tariff	2007/08 Tariffs ($ Nominal)	2008/09 Tariffs ($ Nominal)
Residential Water Tariffs		
State-wide residential service charge	162.60	180.45
State-wide residential consumption charges		
0-150kL	0.57	0.64
151-350kL	0.78	0.83
Metro residential consumption charges above 350kL		
351-550kL	0.98	1.00
551-950kL	1.32	1.42
Over 950kL	1.66	1.71
Non-residential Water Tariffs		
Metro and country non-residential major fixture charges		
20mm meter	544.50	500.30
25mm meter	850.80	781.72
30mm meter	1,225.00	1,125.67
40mm meter	2,178.00	2,001.19
50mm meter	3,403.00	3,126.86
80mm meter	8,712.00	8,004.76
100mm meter	13,613.00	12,507.44
150mm meter	30,628.00	28,141.75
200mm meter	54,450.00	50,029.78
250mm meter	85,078.00	78,171.53
300mm meter	122,513.00	112,567.00
350mm meter	166,753.00	153,216.20
Non residential metro consumption charges		
0-600kL	0.81	0.98
601-1,100,000kL	0.88	1.04
Over 1,100,000kL	0.87	1.03
Residential Wastewater Tariff		
Metro residential average charge	492.62	509.46
Non-residential Wastewater Tariffs		
Metro and country non-residential fixture charges		
First Fixture	587.90	608.00
Second Fixture	251.60	260.20
Third Fixture	336.10	347.59
Over 3 Fixtures (each)	365.40	377.90
Metro and country non-residential volumetric charges	2.16	2.23
Drainage Tariff		
Metro residential average charge	63.58	67.30

5 Impacts on Customers

Table 5.1 shows that an average metropolitan residential customer would pay $56.17 (6.1 per cent) more in 2008/09.

Table 5.1 Impact of Tariff Increases on an Average Metropolitan Residential Customer ($ nominal)

	2007/08	2008/09
Water service charge ($ nominal)	162.60	180.45
Water usage charge (300 kL) ($ nominal)	202.95	220.70
Sewerage ($ nominal)	492.62	509.46
Drainage ($ nominal)	63.58	67.30
Total ($ nominal)	**921.75**	**977.93**
Increase ($ nominal)		56.17
Increase (%)		6.1%

Figure 5.1 shows the increases in customers' bills in 2008/09 vary from an increase of $93.39 (5.0 per cent) for an average resident in Cottesloe to $46.14 (6.5 per cent) for an average resident in Clarkson.[7]

The tables for each suburb that underpin Figure 5.1 are available in Appendix 5.

[7] It should be noted that the calculations are based on each suburbs average gross rental value and usage.

Figure 5.1 Breakdown of Charges 2007/08; Metropolitan Residential Customers – Sample Suburbs[8]

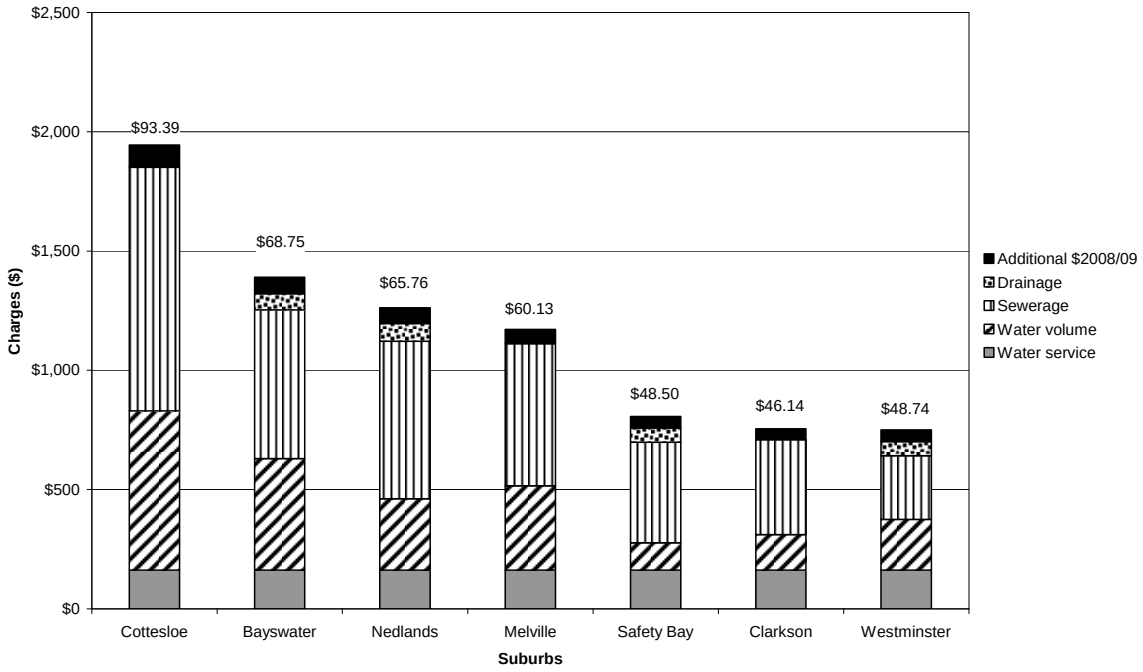


Table 5.2 shows that a typical metropolitan small business would pay $84.86 (3.9 per cent) more in 2008/09.

Table 5.2 Impact of Tariff Increases on a Typical Metropolitan Small Business ($ nominal)

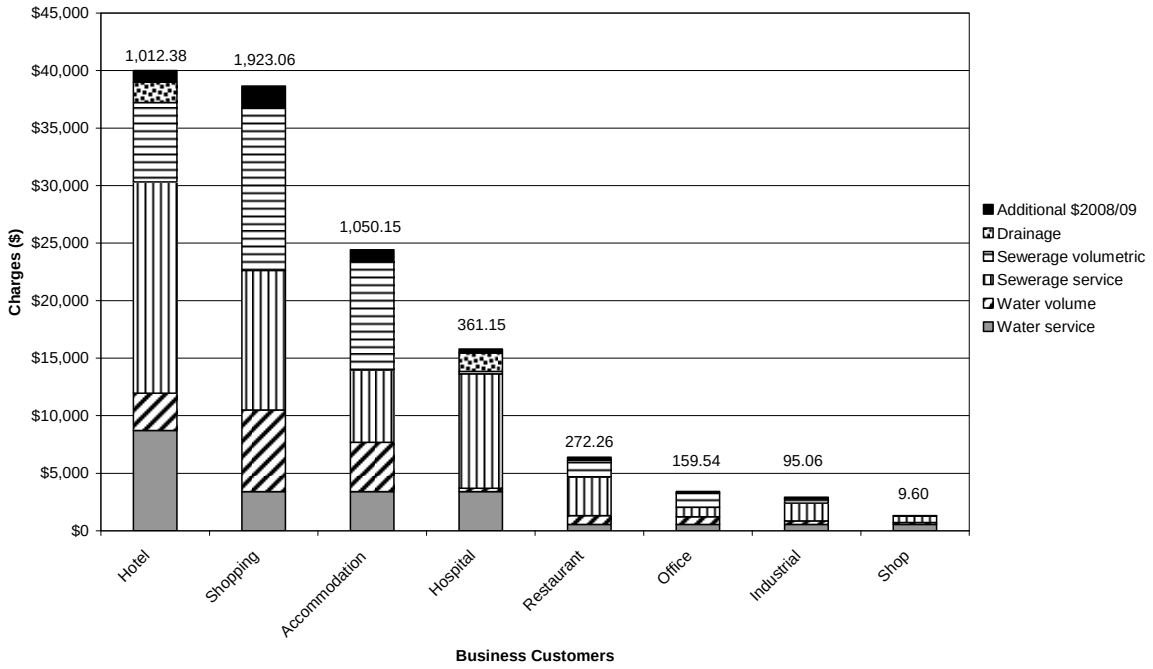
	2007/08	2008/09
Water service charge ($ nominal)	544.50	500.30
Water usage charge (500 kL) ($ nominal)	406.50	491.59
Sewerage (1 fixture, 475 kL discharge) ($ nominal)	1182.18	1222.43
Drainage ($ nominal)	63.58	67.30
Total ($ nominal)	**2196.76**	**2281.62**
Increase ($ nominal)		84.86
Increase (%)		3.9%

Figure 5.2 shows the distribution of impacts on a selection of non-residential customers. The figure shows that the annual increases under the proposals vary from an increase of $1,923.06 (5.2 per cent) in 2007/08 for a shopping centre to $9.60 (0.7 per cent) for a typical shop.

[8] It should be noted that in some suburbs, drainage services are provided by local authorities and as such are not include in Water Corporation charges.

The tables for each indicative business that underpin Figure 5.2 are available in Appendix 5.

Figure 5.2 Breakdown of Charges 2007/08; Metropolitan Business Customers – Sample Industry Types



The Authority has also provided in Appendix 5 other more detailed impact tables.

6 Impacts on Government Finances

Table 6.1 shows the impacts on the Consolidated Fund under the tariff proposals. The table shows that annual net payments to government are expected to be the equivalent of $170 million over the next nine years, in comparison to $158 million in 2007/08.

Table 6.1 Impacts on Government Finances

	Annual payments for 2007/08 (real dollar values of 30 June 2008)	Annual equivalent payments for the period 2008/09 to 2016/17 (real dollars of 30 June 2008)
Dividend payments	$348m	$402m
Tax equivalent payments	$176m	$203m
CSOs	- $366m	- $435m
Net payments to government	**$158m**	**$170m**

The higher CSO payments are largely the net result of:

- greater losses for country water services as cost increases in the country exceed revenue increases;
- greater losses for drainage services (drainage services in the country are free of charge); and
- lesser losses for country wastewater services as the Corporation continues to increase the level of cost recovery in the country.

The breakdown of CSO payments is provided in Table 6.2.

Table 6.2 Impacts on CSOs ($ million, real dollar values of 30 June 2008)

	Annual payments for 2007/08	Annual equivalent payments for the period 2008/09 to 2016/17	Variation
Country Losses			
Water	198.2	265.8	67.7
Wastewater	47.5	42.0	-5.6
Drainage	7.3	8.7	1.4
Irrigation	3.6	11.1	7.4
Total Country Losses	*256.7*	*327.6*	*70.9*
Metro Losses			
Wastewater	20.6	20.4	-0.2
Drainage	1.6	1.5	-0.2
Total Metro Losses	*22.2*	*21.9*	*-0.3*
Concessions			
Metropolitan	62.3	56.0	-6.3
Country	24.3	29.1	4.8
Total Concessions	*86.6*	*85.1*	*-1.5*
Total CSOs	**365.5**	**434.6**	**69.1**

APPENDICES

Appendix 1: Terms of Reference

INQUIRY ON THE WATER CORPORATION'S TARIFFS

Terms of Reference

I, ERIC RIPPER, Treasurer, pursuant to section 32(1) of the *Economic Regulation Authority Act 2003* (the ERA Act), request that the Economic Regulation Authority (the Authority) undertake an annual inquiry and make recommendations on the most appropriate level of tariffs for the Water Corporation's (as established by the *Water Corporation Act 1995*) customers.

While a major review of tariffs is envisaged, perhaps once every three years, the annual reviews under these Terms of Reference would be more limited and may focus on particular issues of relevance at the time. The Authority is to investigate and report on the following matters:

1. Based on the Water Corporation's fees and charges submission to Government, the Authority is to provide advice on an annual basis, on the appropriate tariff levels for the Water Corporation's services (residential and non residential);
2. The impact on the Water Corporation's customers associated with the recommended tariff levels; and
3. The impact on the State Government's net financial position associated with the recommended tariff levels.

In developing its recommendations the Authority is to have regard to the Government's social, economic and environmental policy objectives and to the following policies:

- the pricing principles of the 1994 Council of Australian Governments water reform agreement and the National Water Initiative;
- the Western Australian State Government's Uniform Pricing Policy;
- the Western Australian State Government's Sustainability Policy;
- the Western Australian State Government's Community Service Obligations Policy; and
- the pricing mechanisms available to the Water Corporation through the *Water Agencies (Powers) Act 1984*.

The Authority will make available to the Treasurer a draft report before close of business on 30 November 2007 and a final report before close of business on 24 December 2007.

ERIC RIPPER MLA
DEPUTY PREMIER; TREASURER;
MINISTER FOR STATE DEVELOPMENT

Appendix 2: Impacts of Adopting the Corporation's Proposed Capital Expenditure Programme

The Authority has analysed the impacts on consumers of adopting the Corporation's proposed capital expenditure programme.

The following table compares the charges that would apply in 2008/09 under the Corporation's capital expenditure programme in comparison to the charges that would apply if the capital expenditure programme was as proposed by the Department of Treasury and Finance.

Table A2.1 Comparison of the Tariffs Under the Scenario Where Capital Expenditure is as Proposed by the DTF versus as Proposed by the Corporation

Tariff	2007/08 Tariffs ($ Nominal)	2008/09 Tariffs ($ Nominal)	
		DTF Capital Expenditure	Corporation Capital Expenditure
Residential Water Tariffs			
State-wide residential service charge	162.60	180.45	181.46
State-wide residential consumption charges			
0-150kL	0.57	0.64	0.64
151-350kL	0.78	0.83	0.83
Metro residential consumption charges above 350kL			
351-550kL	0.98	1.00	1.00
551-950kL	1.32	1.42	1.42
Over 950kL	1.66	1.71	1.71
Non-residential Water Tariffs			
Metro and country non-residential major fixture charges			
20mm meter	544.50	500.30	506.49
25mm meter	850.80	781.72	791.40
30mm meter	1,225.00	1,125.67	1,139.61
40mm meter	2,178.00	2,001.19	2,025.98
50mm meter	3,403.00	3,126.86	3,165.59
80mm meter	8,712.00	8,004.76	8,103.92
100mm meter	13,613.00	12,507.44	12,662.37
150mm meter	30,628.00	28,141.75	28,490.34
200mm meter	54,450.00	50,029.78	50,649.49
250mm meter	85,078.00	78,171.53	79,139.82
300mm meter	122,513.00	112,567.00	113,961.35
350mm meter	166,753.00	153,216.20	155,114.05
Non residential metro consumption charges			
0-600kL	0.81	0.98	0.98
601-1,100,000kL	0.88	1.04	1.04
Over 1,100,000kL	0.87	1.03	1.03
Residential Wastewater Tariff			
Metro residential average charge	492.62	509.46	510.43
Non-residential Wastewater Tariffs			
Metro and country non-residential fixture charges			
First Fixture	587.90	608.00	609.16
Second Fixture	251.60	260.20	260.70

Third Fixture	336.10	347.59	348.25
Over 3 Fixtures (each)	365.40	377.90	378.61
Metro and country non-residential volumetric charges	2.16	2.23	2.23
Drainage Tariff			
Metro residential average charge	63.58	67.30	67.34

The following table shows that an average metropolitan residential customer would pay $56.17 more in 2008/09 if the capital expenditure programme is as proposed by the DTF and $58.18 more if the programme is as proposed by the Corporation.

Table A2.2 Impact of Tariff Increases on an Average Metropolitan Residential Customer Under the DTF's Proposed Capital Expenditure Compared to the Corporation's Capital Expenditure

	2007/08 ($ Nominal)	2008/09 ($ Nominal)	
		DTF Capital Expenditure	Corporation Capital Expenditure
Water service charge ($ nominal)	162.60	180.45	181.46
Water usage charge (300 kL) ($ nominal)	202.95	220.70	220.70
Sewerage ($ nominal)	492.62	509.46	510.43
Drainage ($ nominal)	63.58	67.30	67.34
Total ($ nominal)	**921.75**	977.93	979.93
Increase ($ nominal)		56.17	58.18
Increase (%)		6.1%	6.3%

The following table shows that a typical metropolitan small business would pay $84.86 more in 2008/09 if the capital expenditure is as proposed by the DTF and $92.25 more in 2008/09 if the capital expenditure is as proposed by the Corporation.

Table A2.3 Impact of Tariff Increases on a Typical Metropolitan Small Business Under the DTF's Proposed Capital Expenditure Compared to the Corporation's Capital Expenditure

	2007/08 ($ Nominal)	2008/09 ($ Nominal)	
		DTF Capital Expenditure	Corporation Capital Expenditure
Water service charge ($ nominal)	544.50	500.30	506.49
Water usage charge (500 kL) ($ nominal)	406.50	491.59	491.59
Sewerage (1 fixture, 475 kL discharge) ($ nominal)	1182.18	1222.43	1223.58
Drainage ($ nominal)	63.58	67.30	67.34
Total ($ nominal)	**2196.76**	**2281.62**	**2289.01**
Increase ($ nominal)		84.86	92.25
Increase (%)		3.9%	4.2%

Appendix 3 Tariffs ($nominal)[9]

Metro Metro Water Tariff [$ OD] Year ending 30 June	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential Fixed Tariff										
Fixed Tariff	162.60	180.45	200.50	219.73	239.94	261.16	282.06	289.11	296.34	303.75
Residential Demand Tariff										
0 – 150	0.569	0.643	0.726	0.806	0.891	0.980	1.068	1.095	1.122	1.150
151 – 200	0.784	0.828	0.880	0.925	0.973	1.022	1.068	1.095	1.122	1.150
201 – 250	0.784	0.828	0.880	0.925	0.973	1.022	1.068	1.095	1.122	1.150
251 – 300	0.784	0.828	0.880	0.925	0.973	1.022	1.068	1.095	1.122	1.150
301 – 350	0.784	0.828	0.880	0.925	0.973	1.022	1.068	1.095	1.122	1.150
351 – 400	0.980	0.997	1.020	1.034	1.047	1.060	1.068	1.095	1.122	1.150
401 – 450	0.980	0.997	1.020	1.034	1.047	1.060	1.068	1.095	1.122	1.150
451 – 500	0.980	0.997	1.020	1.034	1.047	1.060	1.068	1.095	1.122	1.150
501 – 550	0.980	0.997	1.020	1.034	1.047	1.060	1.068	1.095	1.122	1.150
551 – 650	1.324	1.423	1.537	1.642	1.751	1.866	1.976	2.025	2.076	2.128
651 – 750	1.324	1.423	1.537	1.642	1.751	1.866	1.976	2.025	2.076	2.128
750 – 950	1.324	1.423	1.537	1.642	1.751	1.866	1.976	2.025	2.076	2.128
951 – 1150	1.661	1.714	1.779	1.828	1.879	1.932	1.976	2.025	2.076	2.128
1150 – 1550	1.661	1.714	1.779	1.828	1.879	1.932	1.976	2.025	2.076	2.128
1550 – 1950	1.661	1.714	1.779	1.828	1.879	1.932	1.976	2.025	2.076	2.128
>1950	1.661	1.714	1.779	1.828	1.879	1.932	1.976	2.025	2.076	2.128
Commercial & Industrial Fixed Tariff										
20mm meter	544.50	500.30	462.39	423.25	387.43	354.63	323.04	331.11	339.39	347.87
25mm meter	850.80	781.72	722.49	661.33	605.35	554.11	504.74	517.36	530.30	543.55
30mm meter	1,225.00	1,125.67	1,040.39	952.32	871.71	797.92	726.83	745.00	763.63	782.72
40mm meter	2,178.00	2,001.19	1,849.58	1,693.01	1,549.70	1,418.52	1,292.14	1,324.45	1,357.56	1,391.50
50mm meter	3,403.00	3,126.86	2,889.96	2,645.33	2,421.41	2,216.44	2,018.97	2,069.45	2,121.18	2,174.21
80mm meter	8,712.00	8,004.76	7,398.31	6,772.05	6,198.80	5,674.08	5,168.57	5,297.78	5,430.23	5,565.98

[9] Note that the Authority's estimates of the average metropolitan residential wastewater and drainage charge differs to that of the Corporation.

100mm meter	13,613.00	12,507.44	11,559.86	10,581.33	9,685.63	8,865.76	8,075.89	8,277.78	8,484.73	8,696.85
150mm meter	30,628.00	28,141.75	26,009.68	23,807.99	21,792.67	19,947.95	18,170.74	18,625.01	19,090.64	19,567.90
200mm meter	54,450.00	50,029.78	46,239.43	42,325.32	38,742.53	35,463.02	32,303.54	33,111.13	33,938.91	34,787.38
250mm meter	85,078.00	78,171.53	72,249.11	66,133.31	60,535.20	55,410.97	50,474.28	51,736.14	53,029.54	54,355.28
300mm meter	122,513.00	112,567.00	104,038.71	95,231.96	87,170.69	79,791.80	72,682.97	74,500.04	76,362.54	78,271.61
350mm meter	166,753.00	153,216.20	141,608.25	129,621.28	118,649.00	108,605.50	98,929.60	101,402.84	103,937.91	106,536.35
20mm meter (Strata)	162.60	180.45	200.50	219.73	239.94	261.16	282.06	289.11	296.34	303.75
Commercial & Industrial Demand Tariff										
0 – 600	0.813	0.983	1.171	1.359	1.557	1.766	1.976	2.025	2.076	2.128
601 – 1,100,000	0.882	1.043	1.220	1.397	1.583	1.779	1.976	2.025	2.076	2.128
over 1,100,000	0.865	1.028	1.208	1.388	1.577	1.776	1.976	2.025	2.076	2.128

Metro Wastewater Tariff [$ OD]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential Fixed Tariff										
Average Fixed Tariff	492.62	509.46	529.99	546.05	562.59	579.63	594.29	609.15	624.38	639.99
Commercial & Industrial Demand Tariff										
First Fixture	587.90	608.00	632.50	651.66	671.40	691.74	709.24	726.97	745.14	763.77
Second Fixture	251.60	260.20	270.69	278.89	287.34	296.04	303.53	311.12	318.89	326.87
Third Fixture	336.10	347.59	361.60	372.55	383.84	395.47	405.47	415.61	426.00	436.65
Over 3 Fixtures (each)	365.40	377.90	393.12	405.03	417.30	429.94	440.82	451.84	463.13	474.71
Strata Title	365.40	377.90	393.12	405.03	417.30	429.94	440.82	451.84	463.13	474.71
First Fixture, Aged Homes	157.90	163.30	169.88	175.03	180.33	185.79	190.49	195.25	200.13	205.14
Over 1 Fixture, Aged Homes	69.45	71.83	74.72	76.98	79.31	81.72	83.78	85.88	88.03	90.23
First Fixture, Exempt & Charitable	157.90	163.30	169.88	175.03	180.33	185.79	190.49	195.25	200.13	205.14
Vacant land	200.70	207.56	215.93	222.47	229.21	236.15	242.12	248.18	254.38	260.74
Commercial &										

Industrial Demand Tariff										
>200kL	2.161	2.234	2.324	2.393	2.465	2.539	2.603	2.668	2.734	2.803
Metro Drainage Tariff [$ OD]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential	63.58	67.30	71.66	75.57	79.69	84.03	88.18	90.39	92.65	94.96
Commercial	435.24	460.71	490.54	517.28	545.48	575.22	603.63	618.72	634.19	650.05
Vacant Land	79.73	84.40	89.86	94.76	99.93	105.38	110.58	113.35	116.18	119.08
Country										
Country Water Tariff [$ OD]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential, Fixed Tariff										
Fixed Tariff	162.60	180.45	200.50	219.73	239.94	261.16	282.06	289.11	296.34	303.75
Residential Demand Tariff										
Class 1a										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
351-400kL	0.927	0.951	0.982	1.004	1.027	1.050	1.068	1.095	1.122	1.150
401-450kL	0.927	0.951	0.982	1.004	1.027	1.050	1.068	1.095	1.122	1.150
451-500kL	0.927	0.951	0.982	1.004	1.027	1.050	1.068	1.095	1.122	1.150
501-550kL	0.927	0.951	0.982	1.004	1.027	1.050	1.068	1.095	1.122	1.150
551-650kL	1.387	1.477	1.582	1.676	1.775	1.878	1.976	2.025	2.076	2.128
651-750kL	1.387	1.477	1.582	1.676	1.775	1.878	1.976	2.025	2.076	2.128
751-950kL	1.700	1.748	1.807	1.850	1.894	1.939	1.976	2.025	2.076	2.128
951-1150 kL	1.700	1.748	1.807	1.850	1.894	1.939	1.976	2.025	2.076	2.128
1151-1550kL	2.341	2.300	2.266	2.205	2.138	2.065	1.976	2.025	2.076	2.128
1551-1950kL	2.662	2.576	2.496	2.383	2.260	2.128	1.976	2.025	2.076	2.128
>1950kL	3.056	2.916	2.779	2.601	2.410	2.205	1.976	2.025	2.076	2.128

Class 2a										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.811	0.877	0.951	1.020	1.093	1.168	1.242	1.273	1.305	1.337
351-400kL	0.971	1.014	1.066	1.109	1.153	1.200	1.242	1.273	1.305	1.337
401-450kL	0.971	1.014	1.066	1.109	1.153	1.200	1.242	1.273	1.305	1.337
451-500kL	1.211	1.221	1.237	1.241	1.244	1.247	1.242	1.273	1.305	1.337
501-550kL	1.211	1.221	1.237	1.241	1.244	1.247	1.242	1.273	1.305	1.337
551-650kL	1.475	1.598	1.739	1.870	2.007	2.151	2.290	2.347	2.406	2.466
651-750kL	1.475	1.598	1.739	1.870	2.007	2.151	2.290	2.347	2.406	2.466
751-950kL	2.258	2.273	2.300	2.303	2.304	2.304	2.290	2.347	2.406	2.466
951-1150 kL	2.302	2.364	2.442	2.499	2.556	2.615	2.662	2.729	2.797	2.867
1151-1550kL	3.218	3.154	3.099	3.006	2.905	2.795	2.662	2.729	2.797	2.867
1551-1950kL	3.905	3.745	3.591	3.386	3.166	2.929	2.662	2.729	2.797	2.867
>1950kL	4.899	4.602	4.304	3.937	3.544	3.124	2.662	2.729	2.797	2.867
Class 3a										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.835	0.926	1.028	1.126	1.229	1.337	1.444	1.480	1.517	1.555
351-400kL	0.995	1.064	1.143	1.215	1.290	1.369	1.444	1.480	1.517	1.555
401-450kL	0.995	1.064	1.143	1.215	1.290	1.369	1.444	1.480	1.517	1.555
451-500kL	1.340	1.361	1.390	1.406	1.421	1.436	1.444	1.480	1.517	1.555
501-550kL	1.340	1.361	1.390	1.406	1.421	1.436	1.444	1.480	1.517	1.555
551-650kL	1.700	1.845	2.009	2.162	2.322	2.491	2.654	2.720	2.788	2.858
651-750kL	1.700	1.845	2.009	2.162	2.322	2.491	2.654	2.720	2.788	2.858
751-950kL	2.530	2.560	2.604	2.621	2.638	2.653	2.654	2.720	2.788	2.858
951-1150 kL	2.641	2.789	2.961	3.112	3.269	3.434	3.587	3.677	3.769	3.863
1151-1550kL	3.785	3.774	3.781	3.745	3.704	3.658	3.587	3.677	3.769	3.863
1551-1950kL	4.855	4.697	4.548	4.338	4.112	3.867	3.587	3.677	3.769	3.863
>1950kL	5.772	5.486	5.205	4.846	4.460	4.047	3.587	3.677	3.769	3.863
Class 4a										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.863	0.984	1.118	1.250	1.388	1.534	1.678	1.720	1.763	1.807

351-400kL	1.023	1.121	1.233	1.338	1.449	1.565	1.678	1.720	1.763	1.807
401-450kL	1.023	1.121	1.233	1.338	1.449	1.565	1.678	1.720	1.763	1.807
451-500kL	1.475	1.511	1.557	1.588	1.621	1.653	1.678	1.720	1.763	1.807
501-550kL	1.475	1.511	1.557	1.588	1.621	1.653	1.678	1.720	1.763	1.807
551-650kL	1.897	2.075	2.275	2.465	2.664	2.872	3.076	3.153	3.232	3.312
651-750kL	1.897	2.075	2.275	2.465	2.664	2.872	3.076	3.153	3.232	3.312
751-950kL	2.886	2.927	2.984	3.012	3.040	3.066	3.076	3.153	3.232	3.312
951-1150 kL	3.095	3.358	3.657	3.936	4.229	4.536	4.833	4.954	5.078	5.205
1151-1550kL	5.157	5.134	5.135	5.078	5.013	4.939	4.833	4.954	5.078	5.205
1551-1950kL	6.073	5.924	5.792	5.585	5.361	5.119	4.833	4.954	5.078	5.205
>1950kL	6.987	6.712	6.447	6.092	5.709	5.298	4.833	4.954	5.078	5.205
Class 5a										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.896	1.051	1.223	1.393	1.573	1.762	1.951	2.000	2.050	2.101
351-400kL	1.055	1.188	1.337	1.482	1.633	1.793	1.951	2.000	2.050	2.101
401-450kL	1.055	1.188	1.337	1.482	1.633	1.793	1.951	2.000	2.050	2.101
451-500kL	1.542	1.608	1.686	1.751	1.819	1.888	1.951	2.000	2.050	2.101
501-550kL	1.542	1.608	1.686	1.751	1.819	1.888	1.951	2.000	2.050	2.101
551-650kL	2.099	2.319	2.566	2.802	3.049	3.309	3.565	3.654	3.745	3.839
651-750kL	2.099	2.319	2.566	2.802	3.049	3.309	3.565	3.654	3.745	3.839
751-950kL	3.249	3.309	3.390	3.438	3.486	3.534	3.565	3.654	3.745	3.839
951-1150 kL	3.599	4.032	4.518	4.987	5.481	5.999	6.513	6.675	6.842	7.013
1151-1550kL	6.422	6.465	6.542	6.551	6.554	6.552	6.513	6.675	6.842	7.013
1551-1950kL	7.341	7.257	7.200	7.060	6.904	6.732	6.513	6.675	6.842	7.013
>1950kL	8.104	7.914	7.747	7.482	7.194	6.882	6.513	6.675	6.842	7.013
Class 1b										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
351-400kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
401-450kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
451-500kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
501-550kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
551-650kL	0.909	0.936	0.969	0.994	1.020	1.046	1.068	1.095	1.122	1.150
651-750kL	1.279	1.255	1.235	1.199	1.161	1.119	1.068	1.095	1.122	1.150

751-950kL	1.700	1.748	1.807	1.850	1.894	1.939	1.976	2.025	2.076	2.128
951-1150 kL	1.700	1.748	1.807	1.850	1.894	1.939	1.976	2.025	2.076	2.128
1151-1550kL	2.341	2.300	2.266	2.205	2.138	2.065	1.976	2.025	2.076	2.128
1551-1950kL	2.662	2.576	2.496	2.383	2.260	2.128	1.976	2.025	2.076	2.128
>1950kL	3.056	2.916	2.779	2.601	2.410	2.205	1.976	2.025	2.076	2.128
Class 2b										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
351-400kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
401-450kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
451-500kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
501-550kL	0.811	0.877	0.951	1.020	1.093	1.168	1.242	1.273	1.305	1.337
551-650kL	0.929	0.978	1.036	1.086	1.137	1.192	1.242	1.273	1.305	1.337
651-750kL	1.350	1.341	1.337	1.319	1.298	1.274	1.242	1.273	1.305	1.337
751-950kL	2.258	2.273	2.300	2.303	2.304	2.304	2.290	2.347	2.406	2.466
951-1150 kL	2.258	2.273	2.300	2.303	2.304	2.304	2.290	2.347	2.406	2.466
1151-1550kL	3.218	3.154	3.099	3.006	2.905	2.795	2.662	2.729	2.797	2.867
1551-1950kL	3.905	3.745	3.591	3.386	3.166	2.929	2.662	2.729	2.797	2.867
>1950kL	4.899	4.602	4.304	3.937	3.544	3.124	2.662	2.729	2.797	2.867
Class 3b										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
351-400kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
401-450kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
451-500kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
501-550kL	0.835	0.926	1.028	1.126	1.229	1.337	1.444	1.480	1.517	1.555
551-650kL	0.953	1.028	1.113	1.192	1.274	1.360	1.444	1.480	1.517	1.555
651-750kL	1.557	1.548	1.545	1.526	1.503	1.479	1.444	1.480	1.517	1.555
751-950kL	2.530	2.560	2.604	2.621	2.638	2.653	2.654	2.720	2.788	2.858
951-1150 kL	2.530	2.560	2.604	2.621	2.638	2.653	2.654	2.720	2.788	2.858
1151-1550kL	3.785	3.774	3.781	3.745	3.704	3.658	3.587	3.677	3.769	3.863
1551-1950kL	4.855	4.697	4.548	4.338	4.112	3.867	3.587	3.677	3.769	3.863
>1950kL	5.772	5.486	5.205	4.846	4.460	4.047	3.587	3.677	3.769	3.863
Class 4b										

0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
351-400kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
401-450kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
451-500kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
501-550kL	0.863	0.984	1.118	1.250	1.388	1.534	1.678	1.720	1.763	1.807
551-650kL	0.981	1.085	1.203	1.315	1.433	1.557	1.678	1.720	1.763	1.807
651-750kL	1.731	1.732	1.741	1.730	1.718	1.704	1.678	1.720	1.763	1.807
751-950kL	2.886	2.927	2.984	3.012	3.040	3.066	3.076	3.153	3.232	3.312
951-1150 kL	2.886	2.927	2.984	3.012	3.040	3.066	3.076	3.153	3.232	3.312
1151-1550kL	5.157	5.134	5.135	5.078	5.013	4.939	4.833	4.954	5.078	5.205
1551-1950kL	6.073	5.924	5.792	5.585	5.361	5.119	4.833	4.954	5.078	5.205
>1950kL	6.987	6.712	6.447	6.092	5.709	5.298	4.833	4.954	5.078	5.205
Class 5b										
0-150kL	0.574	0.647	0.729	0.809	0.893	0.981	1.068	1.095	1.122	1.150
151-200kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
201-250kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
251-300kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
301-350kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
351-400kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
401-450kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
451-500kL	0.791	0.834	0.885	0.929	0.975	1.023	1.068	1.095	1.122	1.150
501-550kL	0.896	1.051	1.223	1.393	1.573	1.762	1.951	2.000	2.050	2.101
551-650kL	1.013	1.152	1.307	1.458	1.618	1.785	1.951	2.000	2.050	2.101
651-750kL	1.908	1.923	1.948	1.954	1.958	1.960	1.951	2.000	2.050	2.101
751-950kL	3.249	3.309	3.390	3.438	3.486	3.534	3.565	3.654	3.745	3.839
951-1150 kL	3.249	3.309	3.390	3.438	3.486	3.534	3.565	3.654	3.745	3.839
1151-1550kL	6.422	6.465	6.542	6.551	6.554	6.552	6.513	6.675	6.842	7.013
1551-1950kL	7.341	7.257	7.200	7.060	6.904	6.732	6.513	6.675	6.842	7.013
>1950kL	8.104	7.914	7.747	7.482	7.194	6.882	6.513	6.675	6.842	7.013
Commercial Water Tariff										
Fixed Tariff										
15 mm & 20mm meter	544.50	500.30	462.39	423.25	387.43	354.63	323.04	331.11	339.39	347.87
25mm meter	850.80	781.72	722.49	661.33	605.35	554.11	504.74	517.36	530.30	543.55
30mm meter	1,225.00	1,125.67	1,040.39	952.32	871.71	797.92	726.83	745.00	763.63	782.72

35mm, 38mm & 40mm meter	2,178.00	2,001.19	1,849.58	1,693.01	1,549.70	1,418.52	1,292.14	1,324.45	1,357.56	1,391.50
50mm meter	3,403.00	3,126.86	2,889.96	2,645.33	2,421.41	2,216.44	2,018.97	2,069.45	2,121.18	2,174.21
70mm, 75mm & 80mm meter	8,712.00	8,004.76	7,398.31	6,772.05	6,198.80	5,674.08	5,168.57	5,297.78	5,430.23	5,565.98
100mm meter	13,613.00	12,507.44	11,559.86	10,581.33	9,685.63	8,865.76	8,075.89	8,277.78	8,484.73	8,696.85
140mm & 150mm meter	30,628.00	28,141.75	26,009.68	23,807.99	21,792.67	19,947.95	18,170.74	18,625.01	19,090.64	19,567.90
20mm meter (Strata)	162.60	180.45	200.50	219.73	239.94	261.16	282.06	289.11	296.34	303.75
Exempt	-	-	-	-	-	-	-	-	-	-
Demand Tariff										
Class 1										
0-300, Group 1	0.914	1.070	1.243	1.415	1.595	1.785	1.976	2.025	2.076	2.128
> 300 Group 1	1.504	1.579	1.666	1.741	1.820	1.901	1.976	2.025	2.076	2.128
0-300, Group 2	0.914	1.095	1.296	1.495	1.706	1.928	2.152	2.205	2.261	2.317
> 300 Group 2	1.504	1.604	1.718	1.822	1.931	2.044	2.152	2.205	2.261	2.317
0-300, Group 3	0.914	1.123	1.352	1.583	1.827	2.084	2.343	2.402	2.462	2.523
> 300 Group 3	1.504	1.631	1.775	1.910	2.051	2.199	2.343	2.402	2.462	2.523
Class 2										
0-300, Group 4	1.506	1.663	1.839	2.007	2.184	2.369	2.551	2.615	2.680	2.748
> 300 Group 4	2.326	2.369	2.427	2.461	2.496	2.530	2.551	2.615	2.680	2.748
0-300, Group 5	1.506	1.695	1.906	2.111	2.327	2.554	2.778	2.848	2.919	2.992
> 300 Group 5	2.326	2.402	2.494	2.565	2.639	2.714	2.778	2.848	2.919	2.992
0-300, Group 6	1.506	1.730	1.980	2.225	2.483	2.754	3.025	3.101	3.178	3.258
> 300 Group 6	2.326	2.437	2.568	2.679	2.795	2.915	3.025	3.101	3.178	3.258
Class 3										
0-300, Group 7	1.771	1.997	2.250	2.495	2.754	3.025	3.294	3.377	3.461	3.548
> 300 Group 7	2.701	2.798	2.917	3.010	3.107	3.207	3.294	3.377	3.461	3.548
0-300, Group 8	1.771	2.039	2.337	2.630	2.939	3.263	3.587	3.677	3.769	3.863
> 300 Group 8	2.701	2.840	3.004	3.145	3.292	3.445	3.587	3.677	3.769	3.863
0-300, Group 9	1.771	2.085	2.432	2.777	3.140	3.523	3.906	4.004	4.104	4.207
> 300 Group 9	2.701	2.886	3.099	3.292	3.494	3.705	3.906	4.004	4.104	4.207
Class 4										
0-300, Group 10	2.029	2.357	2.720	3.079	3.458	3.856	4.254	4.360	4.469	4.581
> 300 Group 10	3.141	3.315	3.518	3.695	3.880	4.073	4.254	4.360	4.469	4.581
0-300, Group 11	2.029	2.411	2.833	3.253	3.696	4.163	4.632	4.748	4.866	4.988
> 300 Group 11	3.141	3.369	3.630	3.869	4.119	4.381	4.632	4.748	4.866	4.988
0-300, Group	2.029	2.470	2.956	3.443	3.956	4.498	5.044	5.170	5.299	5.432

12										
> 300 Group 12	3.141	3.428	3.753	4.059	4.379	4.716	5.044	5.170	5.299	5.432
Class 5										
0-300, Group 13	2.063	2.563	3.113	3.668	4.253	4.869	5.492	5.630	5.770	5.915
> 300 Group 13	3.427	3.739	4.091	4.423	4.771	5.136	5.492	5.630	5.770	5.915
0-300, Group 14	2.063	2.633	3.259	3.892	4.561	5.266	5.981	6.130	6.284	6.441
> 300 Group 14	3.427	3.808	4.237	4.648	5.080	5.534	5.981	6.130	6.284	6.441
0-300, Group 15	2.063	2.709	3.417	4.137	4.897	5.699	6.513	6.675	6.842	7.013
> 300 Group 15	3.427	3.884	4.395	4.892	5.416	5.966	6.513	6.675	6.842	7.013
Farmland										
Fixed Tariff	162.60	180.45	200.50	219.73	239.94	261.16	282.06	289.11	296.34	303.75
Demand Tariff	1.05	1.09	1.14	1.19	1.23	1.28	1.32	1.35	1.39	1.42
Country Wastewater Tariff [$ OD]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential Fixed Tariff										
Average	532.11	559.43	591.45	619.13	647.94	677.92	705.67	723.32	741.40	759.93
Commercial Wastewater Tariff										
Fixed Tariff		-	-	-	-	-	-	-	-	-
First Fixture	587.90	608.00	632.50	651.66	671.40	691.74	709.24	726.97	745.14	763.77
Second Fixture	251.60	260.20	270.69	278.89	287.34	296.04	303.53	311.12	318.89	326.87
Third Fixture	336.10	347.59	361.60	372.55	383.84	395.47	405.47	415.61	426.00	436.65
Over 3 Fixtures (each)	365.40	377.90	393.12	405.03	417.30	429.94	440.82	451.84	463.13	474.71
Strata Title	365.40	377.90	393.12	405.03	417.30	429.94	440.82	451.84	463.13	474.71
First Fixture, Aged Homes	157.90	163.30	169.88	175.03	180.33	185.79	190.49	195.14	200.08	205.14
Over 1 Fixture, Aged Homes	69.45	71.83	74.72	76.98	79.31	81.72	83.78	85.88	88.03	90.23
First Fixture, Exempt & Charitable	157.90	163.30	169.88	175.03	180.33	185.79	190.49	195.14	200.08	205.14
Vacant land	287.41	302.16	319.46	334.41	349.97	366.16	381.15	390.68	400.45	410.46
Caravan Parks	7,142.95	7,509.64	7,939.52	8,311.08	8,697.80	9,100.24	9,472.78	9,709.60	9,952.34	10,201.15
Non-Residential										

User Demand Tariff (>200kL)										
Commercial	2.161	2.234	2.324	2.393	2.465	2.539	2.603	2.668	2.734	2.803
Country Drainage & Irrigation Tariff [$ OD]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Drainage										
Commercial	-	-	-	-	-	-	-	-	-	-
Irrigation										
Irrigation	374.35	387.04	402.53	414.60	427.04	439.85	450.85	462.12	473.67	485.51

Appendix 4 Tariffs ($real dollar values of 2007/08)

Metro Metro Water Tariff [$ 30/06/2008]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential Fixed Tariff										
Fixed Tariff	162.60	174.53	186.47	198.40	210.34	222.27	234.20	234.20	234.20	234.20
Residential Demand Tariff										
0 - 150	0.569	0.622	0.675	0.728	0.781	0.834	0.887	0.887	0.887	0.887
151 - 200	0.784	0.801	0.818	0.835	0.853	0.870	0.887	0.887	0.887	0.887
201 - 250	0.784	0.801	0.818	0.835	0.853	0.870	0.887	0.887	0.887	0.887
251 - 300	0.784	0.801	0.818	0.835	0.853	0.870	0.887	0.887	0.887	0.887
301 - 350	0.784	0.801	0.818	0.835	0.853	0.870	0.887	0.887	0.887	0.887
351 - 400	0.980	0.964	0.949	0.933	0.918	0.902	0.887	0.887	0.887	0.887
401 - 450	0.980	0.964	0.949	0.933	0.918	0.902	0.887	0.887	0.887	0.887
451 - 500	0.980	0.964	0.949	0.933	0.918	0.902	0.887	0.887	0.887	0.887
501 - 550	0.980	0.964	0.949	0.933	0.918	0.902	0.887	0.887	0.887	0.887
551 - 650	1.324	1.377	1.430	1.482	1.535	1.588	1.641	1.641	1.641	1.641
651 - 750	1.324	1.377	1.430	1.482	1.535	1.588	1.641	1.641	1.641	1.641
750 - 950	1.324	1.377	1.430	1.482	1.535	1.588	1.641	1.641	1.641	1.641
951 - 1150	1.661	1.658	1.654	1.651	1.647	1.644	1.641	1.641	1.641	1.641
1150 - 1550	1.661	1.658	1.654	1.651	1.647	1.644	1.641	1.641	1.641	1.641
1550 - 1950	1.661	1.658	1.654	1.651	1.647	1.644	1.641	1.641	1.641	1.641
>1950	1.661	1.658	1.654	1.651	1.647	1.644	1.641	1.641	1.641	1.641
Commercial & Industrial Fixed Tariff										
20mm meter	544.50	483.89	430.03	382.16	339.63	301.82	268.23	268.23	268.23	268.23
25mm meter	850.80	756.08	671.92	597.13	530.66	471.60	419.10	419.10	419.10	419.10
30mm meter	1,225.00	1,088.76	967.57	859.87	764.16	679.10	603.51	603.51	603.51	603.51
40mm meter	2,178.00	1,935.57	1,720.12	1,528.65	1,358.50	1,207.29	1,072.90	1,072.90	1,072.90	1,072.90
50mm meter	3,403.00	3,024.32	2,687.69	2,388.52	2,122.66	1,886.39	1,676.41	1,676.41	1,676.41	1,676.41
80mm meter	8,712.00	7,742.27	6,880.48	6,114.62	5,434.00	4,829.15	4,291.62	4,291.62	4,291.62	4,291.62
100mm meter	13,613.00	12,097.30	10,750.75	9,554.09	8,490.63	7,545.54	6,705.65	6,705.65	6,705.65	6,705.65
150mm meter	30,628.00	27,218.92	24,189.20	21,496.71	19,103.92	16,977.47	15,087.72	15,087.72	15,087.72	15,087.72
200mm meter	54,450.00	48,389.20	43,003.02	38,216.37	33,962.53	30,182.18	26,822.61	26,822.61	26,822.61	26,822.61

250mm meter	85,078.00	75,608.12	67,192.22	59,713.09	53,066.45	47,159.65	41,910.33	41,910.33	41,910.33	41,910.33
300mm meter	122,513.00	108,875.69	96,756.79	85,986.84	76,415.69	67,909.90	60,350.88	60,350.88	60,350.88	60,350.88
350mm meter	166,753.00	148,191.92	131,696.75	117,037.65	104,010.24	92,432.92	82,144.25	82,144.25	82,144.25	82,144.25
Commercial & Industrial Demand Tariff										
0 – 600	0.813	0.951	1.089	1.227	1.365	1.503	1.641	1.641	1.641	1.641
601 – 1,100,000	0.882	1.008	1.135	1.261	1.388	1.514	1.641	1.641	1.641	1.641
over 1,100,000	0.865	0.994	1.124	1.253	1.382	1.511	1.641	1.641	1.641	1.641

Metro Wastewater Tariff [$ 30/06/2008]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential Fixed Tariff										
Average Fixed Tariff	492.62	492.76	492.90	493.04	493.18	493.32	493.46	493.46	493.46	493.46
Commercial & Industrial Fixed Tariff										
First Fixture	587.90	588.07	588.23	588.40	588.57	588.73	588.90	588.90	588.90	588.90
Second Fixture	251.60	251.67	251.74	251.81	251.89	251.96	252.03	252.03	252.03	252.03
Third Fixture	336.10	336.20	336.29	336.39	336.48	336.58	336.67	336.67	336.67	336.67
Over 3 Fixtures (each)	365.40	365.50	365.61	365.71	365.81	365.92	366.02	366.02	366.02	366.02
Strata Title	365.40	365.50	365.61	365.71	365.81	365.92	366.02	366.02	366.02	366.02
First Fixture, Aged Homes	157.90	157.94	157.99	158.03	158.08	158.12	158.17	158.17	158.17	158.17
Over 1 Fixture, Aged Homes	69.45	69.47	69.49	69.51	69.53	69.55	69.57	69.57	69.57	69.57
First Fixture, Exempt & Charitable	157.90	157.94	157.99	158.03	158.08	158.12	158.17	158.17	158.17	158.17
Vacant land	200.70	200.76	200.81	200.87	200.93	200.98	201.04	201.04	201.04	201.04
Commercial & Industrial Demand Tariff										
>200kL	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161

Metro Drainage Tariff [$ 30/06/2008]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential	63.58	65.10	66.65	68.23	69.86	71.52	73.22	73.22	73.22	73.22
Commercial	435.24	445.60	456.21	467.07	478.18	489.56	501.21	501.21	501.21	501.21
Vacant Land	79.73	81.63	83.57	85.56	87.60	89.68	91.82	91.82	91.82	91.82

Country Country Water Tariff [$ 30/06/2008]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential, Fixed Tariff										
Fixed Tariff	162.60	174.53	186.47	198.40	210.34	222.27	234.20	234.20	234.20	234.20
Residential, Demand Tariff										
Class 1a										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
351-400kL	0.927	0.920	0.914	0.907	0.900	0.894	0.887	0.887	0.887	0.887
401-450kL	0.927	0.920	0.914	0.907	0.900	0.894	0.887	0.887	0.887	0.887
451-500kL	0.927	0.920	0.914	0.907	0.900	0.894	0.887	0.887	0.887	0.887
501-550kL	0.927	0.920	0.914	0.907	0.900	0.894	0.887	0.887	0.887	0.887
551-650kL	1.387	1.429	1.471	1.514	1.556	1.598	1.641	1.641	1.641	1.641
651-750kL	1.387	1.429	1.471	1.514	1.556	1.598	1.641	1.641	1.641	1.641
751-950kL	1.700	1.690	1.681	1.671	1.661	1.651	1.641	1.641	1.641	1.641
951-1150 kL	1.700	1.690	1.681	1.671	1.661	1.651	1.641	1.641	1.641	1.641
1151-1550kL	2.341	2.224	2.108	1.991	1.874	1.757	1.641	1.641	1.641	1.641
1551-1950kL	2.662	2.492	2.322	2.151	1.981	1.811	1.641	1.641	1.641	1.641
>1950kL	3.056	2.820	2.584	2.348	2.112	1.877	1.641	1.641	1.641	1.641
Class 2a										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.811	0.848	0.885	0.921	0.958	0.994	1.031	1.031	1.031	1.031
351-400kL	0.971	0.981	0.991	1.001	1.011	1.021	1.031	1.031	1.031	1.031
401-450kL	0.971	0.981	0.991	1.001	1.011	1.021	1.031	1.031	1.031	1.031

451-500kL	1.211	1.181	1.151	1.121	1.091	1.061	1.031	1.031	1.031	1.031
501-550kL	1.211	1.181	1.151	1.121	1.091	1.061	1.031	1.031	1.031	1.031
551-650kL	1.475	1.546	1.617	1.688	1.759	1.830	1.901	1.901	1.901	1.901
651-750kL	1.475	1.546	1.617	1.688	1.759	1.830	1.901	1.901	1.901	1.901
751-950kL	2.258	2.198	2.139	2.080	2.020	1.961	1.901	1.901	1.901	1.901
951-1150 kL	2.302	2.287	2.271	2.256	2.241	2.226	2.211	2.211	2.211	2.211
1151-1550kL	3.218	3.050	2.882	2.714	2.546	2.379	2.211	2.211	2.211	2.211
1551-1950kL	3.905	3.622	3.340	3.058	2.775	2.493	2.211	2.211	2.211	2.211
>1950kL	4.899	4.451	4.003	3.555	3.107	2.659	2.211	2.211	2.211	2.211
Class 3a										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.835	0.896	0.956	1.017	1.078	1.138	1.199	1.199	1.199	1.199
351-400kL	0.995	1.029	1.063	1.097	1.131	1.165	1.199	1.199	1.199	1.199
401-450kL	0.995	1.029	1.063	1.097	1.131	1.165	1.199	1.199	1.199	1.199
451-500kL	1.340	1.316	1.293	1.269	1.246	1.222	1.199	1.199	1.199	1.199
501-550kL	1.340	1.316	1.293	1.269	1.246	1.222	1.199	1.199	1.199	1.199
551-650kL	1.700	1.784	1.868	1.952	2.036	2.120	2.204	2.204	2.204	2.204
651-750kL	1.700	1.784	1.868	1.952	2.036	2.120	2.204	2.204	2.204	2.204
751-950kL	2.530	2.476	2.421	2.367	2.313	2.258	2.204	2.204	2.204	2.204
951-1150 kL	2.641	2.697	2.754	2.810	2.866	2.922	2.979	2.979	2.979	2.979
1151-1550kL	3.785	3.651	3.516	3.382	3.247	3.113	2.979	2.979	2.979	2.979
1551-1950kL	4.855	4.543	4.230	3.917	3.604	3.291	2.979	2.979	2.979	2.979
>1950kL	5.772	5.306	4.841	4.375	3.910	3.444	2.979	2.979	2.979	2.979
Class 4a										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.863	0.952	1.040	1.128	1.217	1.305	1.394	1.394	1.394	1.394
351-400kL	1.023	1.085	1.146	1.208	1.270	1.332	1.394	1.394	1.394	1.394
401-450kL	1.023	1.085	1.146	1.208	1.270	1.332	1.394	1.394	1.394	1.394
451-500kL	1.475	1.461	1.448	1.434	1.421	1.407	1.394	1.394	1.394	1.394
501-550kL	1.475	1.461	1.448	1.434	1.421	1.407	1.394	1.394	1.394	1.394
551-650kL	1.897	2.007	2.116	2.226	2.335	2.445	2.554	2.554	2.554	2.554
651-750kL	1.897	2.007	2.116	2.226	2.335	2.445	2.554	2.554	2.554	2.554
751-950kL	2.886	2.831	2.775	2.720	2.665	2.609	2.554	2.554	2.554	2.554
951-1150 kL	3.095	3.248	3.401	3.554	3.707	3.860	4.013	4.013	4.013	4.013

1151-1550kL	5.157	4.966	4.776	4.585	4.394	4.204	4.013	4.013	4.013	4.013
1551-1950kL	6.073	5.730	5.386	5.043	4.700	4.357	4.013	4.013	4.013	4.013
>1950kL	6.987	6.492	5.996	5.500	5.005	4.509	4.013	4.013	4.013	4.013
Class 5a										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.896	1.016	1.137	1.258	1.379	1.499	1.620	1.620	1.620	1.620
351-400kL	1.055	1.149	1.244	1.338	1.432	1.526	1.620	1.620	1.620	1.620
401-450kL	1.055	1.149	1.244	1.338	1.432	1.526	1.620	1.620	1.620	1.620
451-500kL	1.542	1.555	1.568	1.581	1.594	1.607	1.620	1.620	1.620	1.620
501-550kL	1.542	1.555	1.568	1.581	1.594	1.607	1.620	1.620	1.620	1.620
551-650kL	2.099	2.243	2.386	2.530	2.673	2.817	2.960	2.960	2.960	2.960
651-750kL	2.099	2.243	2.386	2.530	2.673	2.817	2.960	2.960	2.960	2.960
751-950kL	3.249	3.201	3.153	3.104	3.056	3.008	2.960	2.960	2.960	2.960
951-1150 kL	3.599	3.900	4.202	4.503	4.805	5.106	5.408	5.408	5.408	5.408
1151-1550kL	6.422	6.253	6.084	5.915	5.746	5.577	5.408	5.408	5.408	5.408
1551-1950kL	7.341	7.019	6.696	6.374	6.052	5.730	5.408	5.408	5.408	5.408
>1950kL	8.104	7.654	7.205	6.756	6.306	5.857	5.408	5.408	5.408	5.408
Class 1b										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
351-400kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
401-450kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
451-500kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
501-550kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
551-650kL	0.909	0.905	0.901	0.898	0.894	0.890	0.887	0.887	0.887	0.887
651-750kL	1.279	1.214	1.148	1.083	1.018	0.952	0.887	0.887	0.887	0.887
751-950kL	1.700	1.690	1.681	1.671	1.661	1.651	1.641	1.641	1.641	1.641
951-1150 kL	1.700	1.690	1.681	1.671	1.661	1.651	1.641	1.641	1.641	1.641
1151-1550kL	2.341	2.224	2.108	1.991	1.874	1.757	1.641	1.641	1.641	1.641
1551-1950kL	2.662	2.492	2.322	2.151	1.981	1.811	1.641	1.641	1.641	1.641
>1950kL	3.056	2.820	2.584	2.348	2.112	1.877	1.641	1.641	1.641	1.641
Class 2b										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887

201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
351-400kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
401-450kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
451-500kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
501-550kL	0.811	0.848	0.885	0.921	0.958	0.994	1.031	1.031	1.031	1.031
551-650kL	0.929	0.946	0.963	0.980	0.997	1.014	1.031	1.031	1.031	1.031
651-750kL	1.350	1.297	1.244	1.191	1.137	1.084	1.031	1.031	1.031	1.031
751-950kL	2.258	2.198	2.139	2.080	2.020	1.961	1.901	1.901	1.901	1.901
951-1150 kL	2.258	2.198	2.139	2.080	2.020	1.961	1.901	1.901	1.901	1.901
1151-1550kL	3.218	3.050	2.882	2.714	2.546	2.379	2.211	2.211	2.211	2.211
1551-1950kL	3.905	3.622	3.340	3.058	2.775	2.493	2.211	2.211	2.211	2.211
>1950kL	4.899	4.451	4.003	3.555	3.107	2.659	2.211	2.211	2.211	2.211
Class 3b										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
351-400kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
401-450kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
451-500kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
501-550kL	0.835	0.896	0.956	1.017	1.078	1.138	1.199	1.199	1.199	1.199
551-650kL	0.953	0.994	1.035	1.076	1.117	1.158	1.199	1.199	1.199	1.199
651-750kL	1.557	1.497	1.437	1.378	1.318	1.258	1.199	1.199	1.199	1.199
751-950kL	2.530	2.476	2.421	2.367	2.313	2.258	2.204	2.204	2.204	2.204
951-1150 kL	2.530	2.476	2.421	2.367	2.313	2.258	2.204	2.204	2.204	2.204
1151-1550kL	3.785	3.651	3.516	3.382	3.247	3.113	2.979	2.979	2.979	2.979
1551-1950kL	4.855	4.543	4.230	3.917	3.604	3.291	2.979	2.979	2.979	2.979
>1950kL	5.772	5.306	4.841	4.375	3.910	3.444	2.979	2.979	2.979	2.979
Class 4b										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
351-400kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
401-450kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
451-500kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887

501-550kL	0.863	0.952	1.040	1.128	1.217	1.305	1.394	1.394	1.394	1.394
551-650kL	0.981	1.050	1.119	1.187	1.256	1.325	1.394	1.394	1.394	1.394
651-750kL	1.731	1.675	1.619	1.562	1.506	1.450	1.394	1.394	1.394	1.394
751-950kL	2.886	2.831	2.775	2.720	2.665	2.609	2.554	2.554	2.554	2.554
951-1150 kL	2.886	2.831	2.775	2.720	2.665	2.609	2.554	2.554	2.554	2.554
1151-1550kL	5.157	4.966	4.776	4.585	4.394	4.204	4.013	4.013	4.013	4.013
1551-1950kL	6.073	5.730	5.386	5.043	4.700	4.357	4.013	4.013	4.013	4.013
>1950kL	6.987	6.492	5.996	5.500	5.005	4.509	4.013	4.013	4.013	4.013
Class 5b										
0-150kL	0.574	0.626	0.678	0.730	0.783	0.835	0.887	0.887	0.887	0.887
151-200kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
201-250kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
251-300kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
301-350kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
351-400kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
401-450kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
451-500kL	0.791	0.807	0.823	0.839	0.855	0.871	0.887	0.887	0.887	0.887
501-550kL	0.896	1.016	1.137	1.258	1.379	1.499	1.620	1.620	1.620	1.620
551-650kL	1.013	1.115	1.216	1.317	1.418	1.519	1.620	1.620	1.620	1.620
651-750kL	1.908	1.860	1.812	1.764	1.716	1.668	1.620	1.620	1.620	1.620
751-950kL	3.249	3.201	3.153	3.104	3.056	3.008	2.960	2.960	2.960	2.960
951-1150 kL	3.249	3.201	3.153	3.104	3.056	3.008	2.960	2.960	2.960	2.960
1151-1550kL	6.422	6.253	6.084	5.915	5.746	5.577	5.408	5.408	5.408	5.408
1551-1950kL	7.341	7.019	6.696	6.374	6.052	5.730	5.408	5.408	5.408	5.408
>1950kL	8.104	7.654	7.205	6.756	6.306	5.857	5.408	5.408	5.408	5.408
Commercial Water Tariff										
Fixed Tariff										
15 mm & 20 mm meter	544.50	483.89	430.03	382.16	339.63	301.82	268.23	268.23	268.23	268.23
25mm meter	850.80	756.08	671.92	597.13	530.66	471.60	419.10	419.10	419.10	419.10
30mm meter	1,225.00	1,088.76	967.57	859.87	764.16	679.10	603.51	603.51	603.51	603.51
35mm, 38mm & 40mm meter	2,178.00	1,935.57	1,720.12	1,528.65	1,358.50	1,207.29	1,072.90	1,072.90	1,072.90	1,072.90
50mm meter	3,403.00	3,024.32	2,687.69	2,388.52	2,122.66	1,886.39	1,676.41	1,676.41	1,676.41	1,676.41
70mm, 75mm & 80mm meter	8,712.00	7,742.27	6,880.48	6,114.62	5,434.00	4,829.15	4,291.62	4,291.62	4,291.62	4,291.62
100mm meter	13,613.00	12,097.30	10,750.75	9,554.09	8,490.63	7,545.54	6,705.65	6,705.65	6,705.65	6,705.65
140mm & 150mm meter	30,628.00	27,218.92	24,189.20	21,496.71	19,103.92	16,977.47	15,087.72	15,087.72	15,087.72	15,087.72
20mm meter	162.60	174.53	186.47	198.40	210.34	222.27	234.20	234.20	234.20	234.20

(Strata)										
Exempt	-	-	-	-	-	-	-	-	-	-
Demand Tariff										
Class 1										
0-300, Group 1	0.914	1.035	1.156	1.277	1.398	1.520	1.641	1.641	1.641	1.641
> 300 Group 1	1.504	1.527	1.550	1.572	1.595	1.618	1.641	1.641	1.641	1.641
0-300, Group 2	0.914	1.059	1.205	1.350	1.496	1.641	1.787	1.787	1.787	1.787
> 300 Group 2	1.504	1.551	1.598	1.645	1.692	1.739	1.787	1.787	1.787	1.787
0-300, Group 3	0.914	1.086	1.258	1.430	1.602	1.774	1.945	1.945	1.945	1.945
> 300 Group 3	1.504	1.578	1.651	1.725	1.798	1.872	1.945	1.945	1.945	1.945
Class 2										
0-300, Group 4	1.506	1.608	1.710	1.812	1.914	2.016	2.118	2.118	2.118	2.118
> 300 Group 4	2.326	2.291	2.257	2.222	2.188	2.153	2.118	2.118	2.118	2.118
0-300, Group 5	1.506	1.639	1.773	1.906	2.040	2.173	2.307	2.307	2.307	2.307
> 300 Group 5	2.326	2.323	2.320	2.316	2.313	2.310	2.307	2.307	2.307	2.307
0-300, Group 6	1.506	1.674	1.841	2.009	2.177	2.344	2.512	2.512	2.512	2.512
> 300 Group 6	2.326	2.357	2.388	2.419	2.450	2.481	2.512	2.512	2.512	2.512
Class 3										
0-300, Group 7	1.771	1.932	2.092	2.253	2.414	2.575	2.735	2.735	2.735	2.735
> 300 Group 7	2.701	2.707	2.712	2.718	2.724	2.730	2.735	2.735	2.735	2.735
0-300, Group 8	1.771	1.972	2.174	2.375	2.576	2.777	2.979	2.979	2.979	2.979
> 300 Group 8	2.701	2.747	2.794	2.840	2.886	2.932	2.979	2.979	2.979	2.979
0-300, Group 9	1.771	2.016	2.262	2.507	2.753	2.998	3.243	3.243	3.243	3.243
> 300 Group 9	2.701	2.791	2.882	2.972	3.063	3.153	3.243	3.243	3.243	3.243
Class 4										
0-300, Group 10	2.029	2.279	2.530	2.780	3.031	3.281	3.532	3.532	3.532	3.532
> 300 Group 10	3.141	3.206	3.271	3.336	3.402	3.467	3.532	3.532	3.532	3.532
0-300, Group 11	2.029	2.332	2.635	2.938	3.240	3.543	3.846	3.846	3.846	3.846
> 300 Group 11	3.141	3.259	3.376	3.494	3.611	3.729	3.846	3.846	3.846	3.846
0-300, Group 12	2.029	2.389	2.749	3.109	3.468	3.828	4.188	4.188	4.188	4.188
> 300 Group 12	3.141	3.316	3.490	3.665	3.839	4.014	4.188	4.188	4.188	4.188
Class 5										
0-300, Group 13	2.063	2.479	2.895	3.312	3.728	4.144	4.560	4.560	4.560	4.560
> 300 Group 13	3.427	3.616	3.805	3.994	4.183	4.372	4.560	4.560	4.560	4.560
0-300, Group 14	2.063	2.547	3.031	3.515	3.998	4.482	4.966	4.966	4.966	4.966
> 300 Group 14	3.427	3.684	3.940	4.197	4.453	4.710	4.966	4.966	4.966	4.966
0-300, Group 15	2.063	2.620	3.178	3.735	4.293	4.850	5.408	5.408	5.408	5.408
> 300 Group 15	3.427	3.757	4.087	4.417	4.747	5.078	5.408	5.408	5.408	5.408
Farmland										
Fixed Tariff	162.600	174.534	186.468	198.402	210.336	222.270	234.204	234.204	234.204	234.204

Demand Tariff	1.047	1.055	1.064	1.072	1.081	1.089	1.098	1.098	1.098	1.098
Country Wastewater Tariff [$ 30/06/2008]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Residential Fixed Tariff										
Average	532.11	541.08	550.06	559.03	568.00	576.97	585.94	585.94	585.94	585.94
Commercial Wastewater Tariff										
Fixed Tariff		-	-	-	-	-	-	-	-	-
First Fixture	587.90	588.07	588.23	588.40	588.57	588.73	588.90	588.90	588.90	588.90
Second Fixture	251.60	251.67	251.74	251.81	251.89	251.96	252.03	252.03	252.03	252.03
Third Fixture	336.10	336.20	336.29	336.39	336.48	336.58	336.67	336.67	336.67	336.67
Over 3 Fixtures (each)	365.40	365.50	365.61	365.71	365.81	365.92	366.02	366.02	366.02	366.02
Strata Title	365.40	365.50	365.61	365.71	365.81	365.92	366.02	366.02	366.02	366.02
First Fixture, Aged Homes	157.90	157.94	157.99	158.03	158.08	158.12	158.17	158.08	158.12	158.17
Over 1 Fixture, Aged Homes	69.45	69.47	69.49	69.51	69.53	69.55	69.57	69.57	69.57	69.57
First Fixture, Exempt & Charitable	157.90	157.94	157.99	158.03	158.08	158.12	158.17	158.08	158.12	158.17
Vacant land	287.41	292.25	297.10	301.94	306.79	311.64	316.48	316.48	316.48	316.48
Caravan Parks	7,142.95	7,263.38	7,383.81	7,504.24	7,624.68	7,745.11	7,865.54	7,865.54	7,865.54	7,865.54
Non-Residential User Demand Tariff (>200kL)										
Commercial	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.16
Country Drainage & Irrigation Tariff [$ 30/06/2008]										
Year ending 30 June	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
Drainage										
Commercial	-	-	-	-	-	-	-	-	-	-
Irrigation										
Irrigation	374.35	374.35	374.35	374.35	374.35	374.35	374.35	374.35	374.35	374.35

Appendix 5: Sample Impact Analysis

Sample Residential Impact Examples

The following tables are presented in the same manner as in the Corporation's submission, but showing the impacts of the Authority's tariff proposals.

Suburb	GRV ($)	Cons. (kL)		
Cottesloe	22,620	723		
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	162.60	180.45	17.85	11.0%
Water consumption	667.20	707.81	40.61	6.1%
Sewerage	1,021.31	1,056.23	34.93	3.4%
Drainage				
Total	1,851.11	1,944.50	93.39	5.0%

Suburb	GRV ($)	Cons. (kL)		
Melville	10,660	464		
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	162.60	180.45	17.85	11.0%
Water consumption	353.87	375.80	21.93	6.2%
Sewerage	595.15	615.50	20.35	3.4%
Drainage				
Total	1,111.62	1,171.75	60.13	5.4%

Suburb	GRV ($)	Cons. (kL)		
Clarkson	6,760	231		
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	162.60	180.45	17.85	11.0%
Water consumption	148.85	163.55	14.70	9.9%
Sewerage	397.41	411.00	13.59	3.4%
Drainage				
Total	708.86	755.00	46.14	6.5%

Suburb	GRV ($)	Cons. (kL)		
Nedlands	12,480	408		
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	162.60	180.45	17.85	11.0%
Water consumption	298.99	319.96	20.97	7.0%
Sewerage	660.02	682.59	22.57	3.4%
Drainage	74.73	79.10	4.37	5.9%
Total	1,196.33	1,262.09	65.76	5.5%

Suburb	GRV ($)	Cons. (kL)		
Safety Bay	7,176	187		
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	162.60	180.45	17.85	11.0%
Water consumption	114.36	127.11	12.75	11.1%
Sewerage	421.84	436.26	14.43	3.4%
Drainage	59.44	62.91	3.48	5.9%
Total	758.23	806.74	48.50	6.4%

Suburb	GRV ($)	Cons. (kL)		
Bayswater	11,440	572		
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	162.60	180.45	17.85	11.0%
Water consumption	467.28	492.87	25.59	5.5%
Sewerage	622.94	644.24	21.30	3.4%
Drainage	68.48	72.49	4.01	5.9%
Total	1,321.30	1,390.06	68.75	5.2%

Suburb	GRV ($)	Cons. (kL)		
Westminster	4,160	312		
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	162.60	180.45	17.85	11.0%
Water consumption	212.36	230.64	18.29	8.6%
Sewerage	266.72	275.84	9.12	3.4%
Drainage	59.44	62.91	3.48	5.9%
Total	701.11	749.85	48.74	7.0%

Sample Commercial Impact Examples

The following tables are presented in the same manner as in the Corporation's submission, but showing the impacts of the Authority's tariff proposals.

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Shopping	33	50	8,097	83%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	3,403.00	3,126.86	-276.14	-8.1%
Water consumption	7,100.15	8,406.55	1,306.40	18.4%
Sewerage service	12,137.60	12,552.67	415.07	3.4%
Sewerage volumetric	14,090.83	14,568.56	477.73	3.4%
Drainage				
Total	36,731.58	38,654.65	1,923.06	5.2%

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Accommodation	17	50	4,896	93%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	3,403.00	3,126.86	-276.14	-8.1%
Water consumption	4,276.87	5,069.07	792.20	18.5%
Sewerage service	6,291.20	6,506.34	215.14	3.4%
Sewerage volumetric	9,407.42	9,726.37	318.95	3.4%
Drainage				
Total	23,378.50	24,428.65	1,050.15	4.5%

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Hotel	50	80	3,734	90%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	8,712.00	8,004.76	-707.24	-8.1%
Water consumption	3,251.99	3,857.53	605.54	18.6%
Sewerage service	18,349.40	18,976.90	627.50	3.4%
Sewerage volumetric	6,910.75	7,145.05	234.30	3.4%
Drainage	1,761.75	2,014.02	252.27	14.3%
Total	38,985.88	39,998.26	1,012.38	2.6%

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Restaurant	9	20	913	94%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	544.50	500.30	-44.20	-8.1%
Water consumption	763.87	916.26	152.39	19.9%
Sewerage service	3,368.00	3,483.18	115.18	3.4%
Sewerage volumetric	1,442.17	1,491.06	48.90	3.4%
Drainage				
Total	6,118.53	6,390.79	272.26	4.4%

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Office	2	20	799	93%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	544.50	500.30	-44.20	-8.1%
Water consumption	663.32	797.40	134.08	20.2%
Sewerage service	839.50	868.21	28.71	3.4%
Sewerage volumetric	1,208.10	1,249.05	40.96	3.4%
Drainage				
Total	3,255.41	3,414.96	159.54	4.9%

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Hospital	27	50	364	58%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	3,403.00	3,126.86	-276.14	-8.1%
Water consumption	295.93	357.88	61.95	20.9%
Sewerage service	9,945.20	10,285.30	340.10	3.4%
Sewerage volumetric	204.94	211.89	6.95	3.4%
Drainage	1,594.30	1,822.59	228.29	14.3%
Total	15,443.37	15,804.52	361.15	2.3%

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Industrial	4	20	388	90%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	544.50	500.30	-44.20	-8.1%
Water consumption	315.44	381.48	66.03	20.9%
Sewerage service	1,541.00	1,593.70	52.70	3.4%
Sewerage volumetric	364.34	376.69	12.35	3.4%
Drainage	57.10	65.28	8.18	14.3%
Total	2,822.39	2,917.44	95.06	3.4%

Industry	Fixtures	Meter size	Cons. (kL)	Discharge
Shop	1	20	198	90%
			Increase	
	2007/08	**2008/09**	**$**	**%**
Water service	544.50	500.30	-44.20	-8.1%
Water consumption	160.97	194.67	33.70	20.9%
Sewerage service	587.90	608.00	20.10	3.4%
Sewerage volumetric	-	-	-	0.0%
Drainage				
Total	1,293.37	1,302.97	9.60	0.7%