DEVELOPMENT SERVICING PLAN

FOR

MID WESTERN REGIONAL COUNCIL
WATER SUPPLY

ADOPTED: **20 / 08 /08**
EFFECTIVE: **21/ 08 /08**

August 2008

This is a development servicing plan which has been prepared in accordance with Section 64 of the Local Government Act, 1993, and Section 306 of the Water Management Act, 2000.

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MID WESTERN REGIONAL COUNCIL

DEVELOPMENT SERVICING PLAN (DSP) - WATER SUPPLY

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DEVELOPMENT SERVICING PLAN - WATER SUPPLY

SUMMARY

This Development Servicing Plan (DSP) covers water supply developer charges (DC) for the Mid Western Regional Council. This relates to assets such as treatment facilities, transfer systems and storage reservoirs.

This DSP has been prepared with consideration to *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (2002). These are the final relevant guidelines, managed by the Department of Water and Energy (DWE).

This DSP aims to:

1. Allow Council to require an equitable monetary contribution for the provision of water supply infrastructure to meet the demands generated by development.

2. Facilitate the future provision of a water supply to the Mid Western Regional Council area which meets the required levels of service with regard to flows, pressure, water quantity and the frequency of restrictions.

3. Set out the schedule and programme of proposed works to meet increasing town water supply demands generated by development.

4. Detail the contribution rates and Mid Western Regional Council's payment policies.

To enable this, a future demand estimate of water supply for the Council has been undertaken. The demand estimate is the basis used for determining the infrastructure required to meet the need generated by future development.

DCs are applicable for existing and proposed works which serve future development. Section 3 details the existing works and proposed works schedule for water supply infrastructure to meet the expected demand.

The calculated DC, based on full cost recovery, is tabulated below.

Mid Western Regional Council Water Developer Charges

Calculated Developer Charges

Location	Developer Charge / ET ($05/06)
Mudgee	10,643
Gulgong	14,557
Rylstone, Kandos, Charbon, Clandulla	24,243
Weighted Average	11,674

The Council has approved a pricing strategy for water where a weighted average charge will apply across all development zones and that charge will be set at 50% of the calculated weighted average Developer Charge as shown above. An adjustment to Council's water charges will be made to offset the loss of revenue from developers.

The adjusted Developer Charge for water is $ 5837 in $ 05/06.

Since developer charges offset the cost of capital works, a Construction Cost Index adjustment of 20% has been used to convert $ 05/06 to $ 08/09 (Based on annual indices provided by Department of Water and Energy for the NSW Reference Rates Manual).

Developer Charges for 2008/09 is $7004.40 per ET.

In making this decision certain cross subsidies have been deemed to be acceptable to the Community in promoting growth and welfare for the Mid Western Regional Council. The following table shows the impact of the two adjustments.

DC Scenarios for Water Supply

DC Scenario	Water ($1000, 2008/09)			
	Mudgee	Gulgong	RKCC	**Total**
1. Total DC Collected	12,772	2,446	1,455	**16,672**
2. Revenue based on weighted avrage DC	14,009	1,961	700	**16,670**
3. Cross subsidy due to agglomeration (1-2)	-1,237	484	754	**1**
4 Reduced revenue due to adopted startegy of 50% reduction in Weighted Average DC	7,004	981	350	**8,335**

Note
i) Cross-subsidy due to agglomeration (item 3) will be between different development zones
ii) Capital cost factor of 20% have been used to convert calculated DCs to $ 08/09

General Notes;.

Developer charges calculations relating to this DSP will be reviewed after a period of five to six years, or when any significant changes occur in proposed works, growth projections or standards.

In accordance with the DWE guidelines, in the period between any reviews, developer charges will be revised on 1 July each year on the basis of movements in the

Consumer Price Index (CPI) for Sydney, in the preceding 12 months to December, excluding the impact of GST.

There are a number of payment methods for DC and works-in-kind contributions are allowable subject to certain conditions.

The developer shall be responsible for the full cost of the design and construction of water supply reticulation works within subdivisions.

1. Introduction

1.1 Legislation

Section 64 of the *Local Government Act 1993* enables a local government council to levy developer charges for water supply, sewerage and stormwater. This derives from a cross-reference in that Act to Section 306 of the *Water Management Act 2000*.

This DSP has been prepared in accordance with the *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (2002), managed by DWE, pursuant to Section 306 (3) of the *Water Management Act 2000.*

1.2 Purpose of the DSP

The purpose of the DSP is to achieve the following objectives:

1. Allow Mid Western Regional Council to require an equitable monetary contribution for the provision of water supply infrastructure to meet the demands generated by new development on headworks and distribution works.
2. Facilitate the provision of a water supply to the Mid Western Regional Council area which meets the required levels of service with regard to flows, pressure, water quantity and the frequency of restrictions.
3. Identify the existing relevant works and set out a schedule and programme of proposed works to meet increasing demands for a "town water" supply generated by development.
4. Detail the contribution rates and Mid Western Regional Council's payment policies.

The water supply system for which Mid Western Regional Council seeks to levy DC includes "minor" headworks and distribution works. Reticulation is provided by developers as part of the subdivision/development works.

1.3 Land to Which the DSP Applies

This DSP applies to all land in Mid Western Regional Council area that is within the water benefit areas and is to be connected to the water supply system as a result of development. This includes connection of land with existing residences and/or non-residential buildings if water DC have not been paid previously; and may be in addition to costs for shared, special extension of system outside the general water benefit area. Maps of water supply areas can be found in Appendix 3.

1.4 Calculation Guidelines

This DSP has been prepared with consideration given to *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (2002). These were the latest relevant guidelines from the DWE, at the time of DC calculation, and are based on recommendations of the Independent Pricing and Regulatory Tribunal (IPART)

1.5 Date from Which This DSP Comes Into Effect

This DSP was adopted by Mid Western Regional Council on 20/08/2008 and came into effect on 21/08/2008.

Charges will be levied pursuant to this DSP, as a condition of development consent granted on or after the day this DSP came into effect.

1.6 Relationship between The DSP and other Existing Policies or Plans

A number of environmental planning instruments apply to the development of land to which this DSP relates. They include State Environmental Planning Policies.

A full listing of State Environmental Planning Policies applying to Mid Western Regional Council is attached to this DSP as Appendix No. 1. Various other Mid Western Regional Council Development Servicing Plans are also relevant, as listed in Appendix 2.

This DSP supersedes any other requirements related to water supply DC for the area covered by this DSP. This DSP takes precedence over any of Mid Western Regional Council's codes or policies where there are any inconsistencies relating to water supply developer charges. (The term "Developer Contributions" may formerly have been used to refer to Developer Charges.)

1.7 Assets Relevant to the DSP

The purpose of the DSP is that new development should pay for assets from which they benefit. Headworks and distribution works are provided by Mid Western Regional Council and paid for through developer charges. Reticulation works are provided by the developer. Asset categories are defined as follows:

1.7.1 Headworks

For the purposes of this DSP headworks are defined as dams, water treatment plants and major pumping stations.

1.7.2 Distribution Works

Distribution works are primarily defined as trunk mains and service reservoirs, and also include minor pump stations.

1.7.2 Reticulation

Reticulation generally consists of all the internal distribution pipes within the subdivision or which specifically serve that subdivision. In some instances, Mid Western Regional Council is the developer.

The developer shall be responsible for the full cost of the design and construction of water supply reticulation works within subdivisions.

Plans of water supply infrastructure are in Appendix 3.

2. Methodology

2.1 Calculation Method for Developer Charges

2.1.1 General Methodology

In its most simplistic description, the calculation determines the equivalent cost of one brand new set of assets to serve development as if those assets could be constructed now. Practically, however, water infrastructure consists of an on-going progression of old and new assets with complex interconnection. Water assets may be constructed many years ahead of full capacity to reflect cost effective and practical staging of works.

Only headworks and distribution works have been taken into account in the DC calculation. The construction of any reticulation pipework required will be the responsibility of the developer.

The methodology used was developed with consideration given to the latest (final) guidelines, managed by DWE, *Developer Charges Guidelines for Water Supply, Sewerage and Stormwater* (2002). The NPV of Annual Charges Method was used and this is based on the following general equation, as recommended by the Independent Pricing and Regulatory Tribunal (IPART).

Developer charge = Capital charge – Reduction amount.

The ***capital charge*** is the cost of beneficial assets plus a return on investment, which reflects the cost incurred by Council of providing the assets ahead of development.

The ***reduction amount*** is the present value of those capital works costs included in the total capital charge which may be deemed to be already included in annual charges.

The calculated DC is based on full cost recovery.

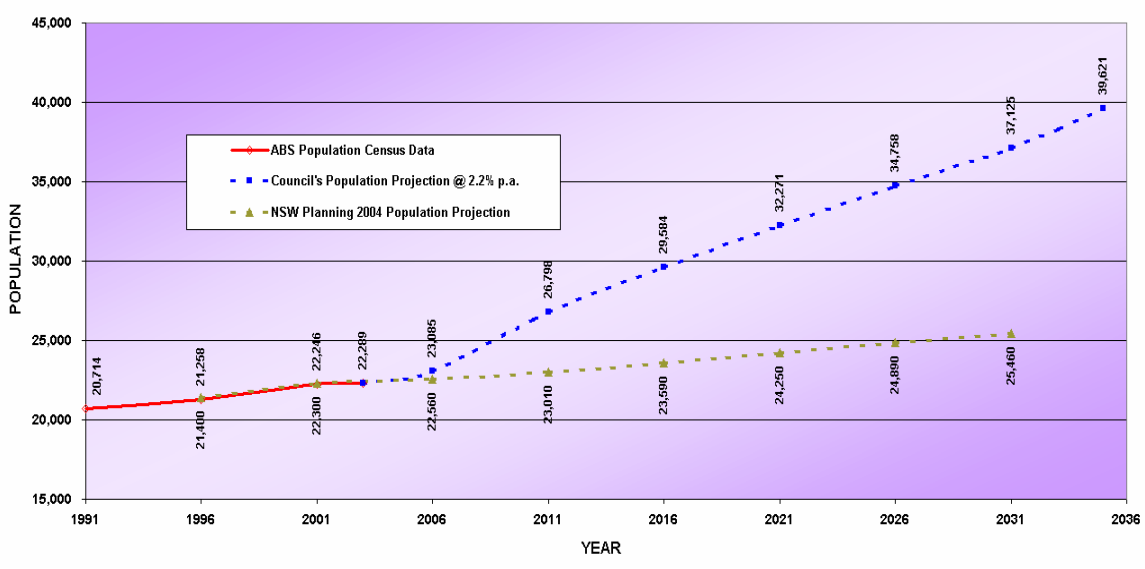
2.1.2 Background Report/ Detailed Methodology

The methodology and calculation is described in more detail in the DSP background document, *Water Supply Developer Charges Calculation*, 2004, prepared by the Department of Commerce. Appendix C of that document describes the methodology in more detail.

2.2 Tenement and Demand Estimates

Most types of development will increase the demand on the water supply system. Water supply assets may directly or indirectly benefit a development by allowing increased demand to be met. Growth of equivalent tenements (ET) is based on population growth as shown in the graph below.

Mid Western Regional Council Population Projections



For residential subdivisions, the increased demand is directly related to the number of additional tenements created.

For medium density development each dwelling unit is considered to increase demand by two thirds (2/3) of a tenement. Therefore charges may be multiplied by 0.67 in the case of town houses less than 3 bedrooms, cluster housing, villa units, medium density, dual occupancy and 1 bedroom flats.

The increased demands generated by other types of development (including non-residential) need to be assessed in terms of additional equivalent tenements. The number of additional equivalent tenements is calculated in accordance with the Public Works Department's *Water Supply Investigation Manual*, now managed by DWE and/or historical data for similar developments respectively.

Planned development of the water supply system is based on these long-term growth projections.

DC pay for the provision of system capacity to suit new development. New development may be served by a combination of existing and/or new works.

2.3 Works Covered by This DSP

The existing and proposed works covered by this DSP are itemised in Section 3. All Mid Western Regional Council's headworks and distribution works, subject to DC Guidelines, are shown on these tables.

2.4 Cost Estimates

"Current replacement" cost estimates of the existing and proposed works are based on unit rates for construction published in the *NSW Reference Rates for Valuation of Existing Water Supply, Sewerage and Stormwater Assets* by NSW Department of Land and Water Conservation, managed by DEUS. These cost estimates are shown in Section 3.

3. Works Included and Cost Estimates

Both existing and proposed works which are relevant for inclusion in this DSP are itemised in the document *Mid Western Regional Council Water Supply Developer Charges Calculation* (2007) by the Department of Commerce.

4. Levels of Service and Design Parameters

4.1 Levels of Service

System design and operation are based on providing the following Potable Water Supply Levels of Service to Mid Western Regional Council:

DESCRIPTION	UNIT	LEVEL OF SERVICE	
		Current (3 year average)	Target (2012)
AVAILABILITY OF SERVICE			
Normal Quantity Available:			
Domestic Peak day	L/tenement/day	4000	3750
Domestic Annual	kL/tenement/yr	370	350
Total Annual Average Consumption	ML/yr	Mudgee-1800 Gulgong-500 Rylstone- 500	Mudgee-2000 Gulgong-600 Rylstone- 600
Total Peak Daily Consumption	ML/day	Mudgee-18 Gulgong-4 Rylstone- 3	Mudgee-20 Gulgong-5 Rylstone- 4
Peak/Average daily consumption	%	400	375
Fire Fighting:			
Compliance with the Water Supply Investigation Manual* (AS 2419.1 classifications 2,3,4.& 9 with floor area less than 1000 m^2)	% urban residential areas serviced	100	100
Pressure:			
Min. pressure when delivering 0.15 L/sec	Metres head	12	15
Max. static pressure	Metres head	70	30
Consumption Restrictions in Droughts:			
Level of restriction applied through a repeat of the worst drought on record			
– Average duration of restrictions	% normal usage	M/G – 0 Ryl -100	M/G – 0 Ryl - 75
– Average frequency of restrictions	No./ 3 yr period	Continuous	3 (depending on solution and treatment time)
Supply Interruptions to Consumers			
Temporary supply arrangements during interruptions		Where possible	Where possible
Planned (95% of time):			
- Notice given to domestic customers	Working Days	4	4

DESCRIPTION	UNIT	LEVEL OF SERVICE	
		Current (3 year average)	Target (2012)
- Notice given to commercial customers	Working Days	4	4
- Notice given to major industrial customers	Working Days	4	4
Unplanned:			
- Maximum duration	Hours	4	< 4
- Frequency	No./year	Major – 30 Minor - 200	25 < 150
RESPONSE TIMES (Defined as time to have staff on-site to commence rectification after notification of problem by public or own staff)			
Supply Failure:			
Priority 1 (Defined as failure to maintain continuity or quality of supply to a large number of customers or to a critical use at a critical time)			
- During working hours	Hours	0.5	0.5
- Out of working hours	Hours	1	1
Priority 2 (Defined as failure to maintain continuity or quality of supply to a small number of customers or to a critical use at a non-critical time)			
- During working hours	Hours	1	1
- Out of working hours	Hours	1	1
Priority 3 (Defined as failure to maintain continuity or quality of supply to a single customers)	Hours	2	2
Priority 4 (Defined as a minor problem or complaint, which can be dealt with at a time convenient to the customer and the Council)	Working Day	1	1
Customer Enquiries/ Complaints:			
Personal/ Oral	Working Days	2	1
Written	Working Days	20	10
Note: Times apply for 95% of occasions			

DESCRIPTION	UNIT	LEVEL OF SERVICE	
		Current (3 year average)	Target (2012)
Service Provision:			
Time to provide a domestic individual connection to water supply in serviced area (95% of times)	Working days	20	10
WATER QUALITY			
(Should meet Drinking Water Quality Guidelines of Australia, NHMRC&AWRCM 1996)			
Microbiological Parameters:			
Total coliforms	CFU/100ml	100	100
Thermo tolerant coliforms	CFU/100ml	100	100
Sampling frequency	Samples/month	4	4
Physico-chemical Parameters:			**ADWG***
pH	Unit	7.5	6.5 – 8.5
Turbidity	NTU	<1	5
True Colour	HU	1	15
Hardness (as CaCO3)	mg/L		
Iron	mg/L	-	0.3
Manganese	mg/L	0.6	0.1
Arsenic	mg/L		0.007
Fluoride	mg/L		0.5 – 1.5
Free available chlorine (WTP)	mg/L		0.2 – 0.6
Free available chlorine (Reticulation)	mg/L		0.2 – 0.6
Sampling frequency	Samples/WTP/ year	365	365
Percentage Compliance with 2001 NHMRC / AWRCM ADW Guidelines:			
Physical parameters	%	80	100
Chemical parameters	%	90	100
Total coliforms	%	98	100
Thermo tolerant coliforms	%	100	100

4.2 Design Parameters

Investigation and design of water supply system components is based on the *Water Supply Investigation Manual* (1986). This manual was prepared by NSW Public Works and is now managed by DWE.

Technical reports relating to the system components in the DSP are included in Section 6, References

5. Developer Charges

5.1 Headworks and Distribution Works

The calculated DC is tabulated below. This is based on full cost recovery.

Mid Western Regional Council Water Supplies – Developer Charges – Including Calculation Summary

Calculated Developer Charges

Location	Capital Charge / ET	Reduction / ET	Developer Charge / ET ($05/06)
Mudgee	$12,314	$1,672	$10,643
Gulgong	$16,229	$1,672	$14,557
RKCC	$25,915	$1,672	$24,243
Weighted Average	$13,346	$1,672	$11,674

The Council has approved a pricing strategy for water where a weighted average charge will apply across all development zones and that charge will be set at 50% of the calculated weighted average Developer Charge as shown above. An adjustment to Council's water charges will be made to offset the loss of revenue from developers.

The adjusted Developer Charge for water is $ 5837 in $ 05/06.

Since developer charges offset the cost of capital works, a Construction Cost Index adjustment of 20% has been used to convert $ 05/06 to $ 08/09 (Based on annual indices provided by Department of Water and Energy for the NSW Reference Rates Manual).

Developer Charges for 2008/09 is $7004.40 per ET.

In making this decision certain cross subsidies have been deemed to be acceptable to the Community in promoting growth and welfare for the Mid Western Regional Council. The following table shows the impact of the two adjustments.

DC Scenarios for Water Supply

DC Scenario	Water ($1000, 2008/09)			
	Mudgee	Gulgong	RKCC	**Total**
1. Total DC Collected	12,772	2,446	1,455	**16,672**
2. Revenue based on weighted avrage DC	14,009	1,961	700	**16,670**
3. Cross subsidy due to agglomeration (1-2)	-1,237	484	754	**1**
4 Reduced revenue due to adopted startegy of 50% reduction in Weighted Average DC	7,004	981	350	**8,335**

Note
i) Cross-subsidy due to agglomeration (item 3) will be between different development zones
ii) Capital cost factor of 20% have been used to convert calculated DCs to $ 08/09

Details of the derivation of the calculated DC is included in the background document to the DSP, *Water Supply Developer Charges Calculation* 2007, prepared by the Department of Commerce.

5.2 Reticulation

Mid Western Regional Council does not charge a monetary charge for the construction of reticulation pipework. Developers are responsible for the provision of these works. These may be handed over to Mid Western Regional Council upon completion of the development.

5.3 Payment of Developer Charges

5.3.1 Timing of Payments

Subject to clauses 5.3.2 and 5.3.3 the timing for payments of developer charges is as follows:

For complying development	Following the issuing of a complying development certificate and prior to the commencement of work (whether or not the certificate is issued by Council or an accredited certifier).
For other development	Prior to the release of the Construction Certificate or the issuing of a Notice of Commencement of Work should the proposed development not involve construction.
For subdivision	Prior to the release of the Linen Plan.

5.3.2 Method of Payment

Developer charges must be made in the form of monetary payments to Mid Western Regional Council. Development consents requiring the payment of a DC will contain a condition specifying the amount payable in monetary terms at the time the consent is issued. A note will be attached to the consent condition which will advise that the DC will be at the rate which applies at the time of payment. That is the rate may increase, through indexation or replacement of this DSP with a new one, from the time the condition appears on the notice of development consent until the time the DC is actually paid to Council.

The deferral of payment of contributions is only permissible subject to formal resolution by Council prior to this occurring. Any request should provide detailed reasons and should agreement be granted, deferral will be subject to the following requirements:

- The applicant is to arrange for a Bank Guarantee to be prepared to the value of contributions payable as agreed to by Council (this is to include indexation where applicable),
- The Bank Guarantee is to be made in favour of Council,
- Council is to be the custodian of the original Bank Guarantee, and
- The maximum time frame granted for deferment is (6) months. Should the contributions not be paid by this time, Council will exercise its right under the

agreement to call in the Bank Guarantee without notice. Should the approved deferment overlap into the following financial year, then the contribution(s) payable will be subject to indexation.

Council does not permit the payment of contributions in instalments, rather opting for the preparation of a Bank Guarantee in lieu of payment of contributions.

5.3.3 Works in Kind Contributions

Upon written request, Council will consider an offer by the applicant to make a contribution by way of "works in kind" provided that:

(a) The proposed work satisfies the demands for the kind of public amenities and facilities for which the contribution is sought,

(b) The proposed work will not prejudice the timing or the manner of the provision of the amenity or facility for which the contribution was required,

(c) The value of the work is at least equal to the value of the contribution assessed in accordance with this plan and that this value is adequately documented,

(d) Agreement has been reached as to the standard of work to be undertaken, and

(e) Where the difference of the value of the work in kind is less than the contribution assessed in accordance with this plan, the balance shall be made by way of monetary contribution.

As part of the Council's decision making process, a request would only be considered provided the applicant was agreeable to all of the following stipulations:

- An agreement between the applicant and Council on the cost of the works (and value of the work in kind) which is to be determined by reference to satisfactory plans, breakdown of costs, review of audited statements and accounts or similar submitted by the applicant. There would be no indexing of the value of the work in kind or credits so granted.

- The number of credits for a particular type of contribution will be determined by dividing the agreed value of the proposed work by the rate applying to that contribution at the time of the agreement. The credits so agreed will be progressively reduced as the development proceeds. The agreed works schedule may specify those works that may be considered as works in kind.

- An agreed 12 month Defects Liability Period for the cost of the agreed work.

- An agreed standard of workmanship.

- An agreed timetable for the inspection of the works.

- An agreed program for the completion of works.

Please note that Council will not acknowledge any costs incurred associated with the agreement of Works in Kind as part of above itemised statement.

The decision to accept settlement of a contribution by way of a work in kind is at the sole discretion of Council and will require a Council resolution prior to implementation.

It is Council's preference that for broad acre release areas that Council accepts works in kind and that these are to be fully constructed prior to the release of the Linen Plan or at such time as identified in a "written agreement" between Council and the developer.

Should works in kind that have been agreed to by Council be later withdrawn by the applicant for any reason, then the applicant will be liable for the payment of contributions in accordance with the conditions of development consent or complying development certificate plus any indexations that may have occurred since the approval date.

5.4 Staged Subdivision/Development

In the event of a staged subdivision or development, Mid Western Regional Council will accept the staged payment of developer charges as specified above, ie prior to the release of the linen plan for each stage of subdivision and prior to the release of any building approval for a particular stage of a development.

Deferred payment of DC other than in accordance with Mid Western Regional Council's requirements for Staged Subdivision and Development, is not permitted by Mid Western Regional Council.

5.5 DC Waiver

Mid Western Regional Council may waive DC ordinarily attributable to subdivision and development, where the proponent demonstrates to Mid Western Regional Council's satisfaction, that it is a non-profit and charitable organisation, which by virtue of carrying out such development, is considered by the Mid Western Regional Council to be making a significant and positive contribution to the community.

5.6 Reviewing and Revising of Developer Charges

Developer charges calculations relating to this DSP will be reviewed after a period of five to six years, or when any significant changes occur in proposed works, growth projections or standards.

In the period between any reviews, developer charges will be revised on 1 July each year on the basis of movements in the Consumer Price Index (CPI) for Sydney, in the preceding 12 months to December, excluding the impact of GST.

6. References

(1) Public Works Department, *Water Supply Investigation Manual* (1986).

(2) Public Works Department, *Water Supply and Sewerage Management Guidelines* (1991).

(3) Department of Land and Water Conservation, *Guidelines - Developer Charges for Water Supply, Sewerage and Stormwater* (2002).

(4) Department of Commerce, *Mid Western Regional Council Water Supply and Sewerage Developer Charges Calculation* (2007).

APPENDIX No. 1

STATE ENVIRONMENTAL PLANNING POLICIES APPLYING TO MID WESTERN REGIONAL COUNCIL WATER SUPPLY

State Environmental Planning Policies applicable to the Mid-Western Regional Council sewerage at the time of preparation of this DSP are as follows;

SEPP 1
SEPP 4

If applicable during the life of this DSP, any further relevant SEPP's should be listed in this appendix

APPENDIX NO. 2

OTHER RELEVANT DSPs

Section 64 Sewerage

APPENDIX NO. 3

DEVELOPMENT CATEGORIES AND CORRESPONDING APPLICABLE CHARGES

Category	Description	ET/Unit	Water Headworks
Residential	Residential allotment (small) <650m^2	0.750	$ 5,253
	Residential allotment (medium) 650m^2 - 1200m^2	1.000	$ 7,004
	Residential allotment (large) >1200m^2	1.500	$ 10,507
	Flat/Unit/Villa (small) <70m^2	0.333	$ 2,332
	Flat/Unit/Villa (medium) 70m^2 - 85m^2	0.400	$ 2,802
	Flat/Unit/Villa (Large) >85m^2	0.667	$ 4,672
Commercial	Vacant Lot - future use unknown	1.000	$ 7,004
	Commercial/Office Buildings (per 100m^2 floor area)	0.100	$ 700
	Motel (per bed)	0.100	$ 700
	Caravan Park (per van & camp site)	0.200	$ 1,401
	Hotels and Clubs (per 100m^2 floor area)	1.000	$ 7,004
	Restaurant (per 100m^2 floor area)	0.800	$ 5,604
Industrial	Vacant Lot - future use unknown	1.000	$ 7,004
	Development assessed in accordance with DWE Guidelines	-	-
Other	Hospitals (per bed)	1.000	$ 7,004
	Nursing Home (per bed)	0.150	$ 1,051
	Day School (per student)	0.040	$ 280
	Places of Worship	-	nil
	Other not addressed above assessed in accordance with DWE Guidelines	-	-

APPENDIX No.4

PLANS OF WATER SCHEMES

Figure 1 – Map of Mudgee Town Water Supply Service Area

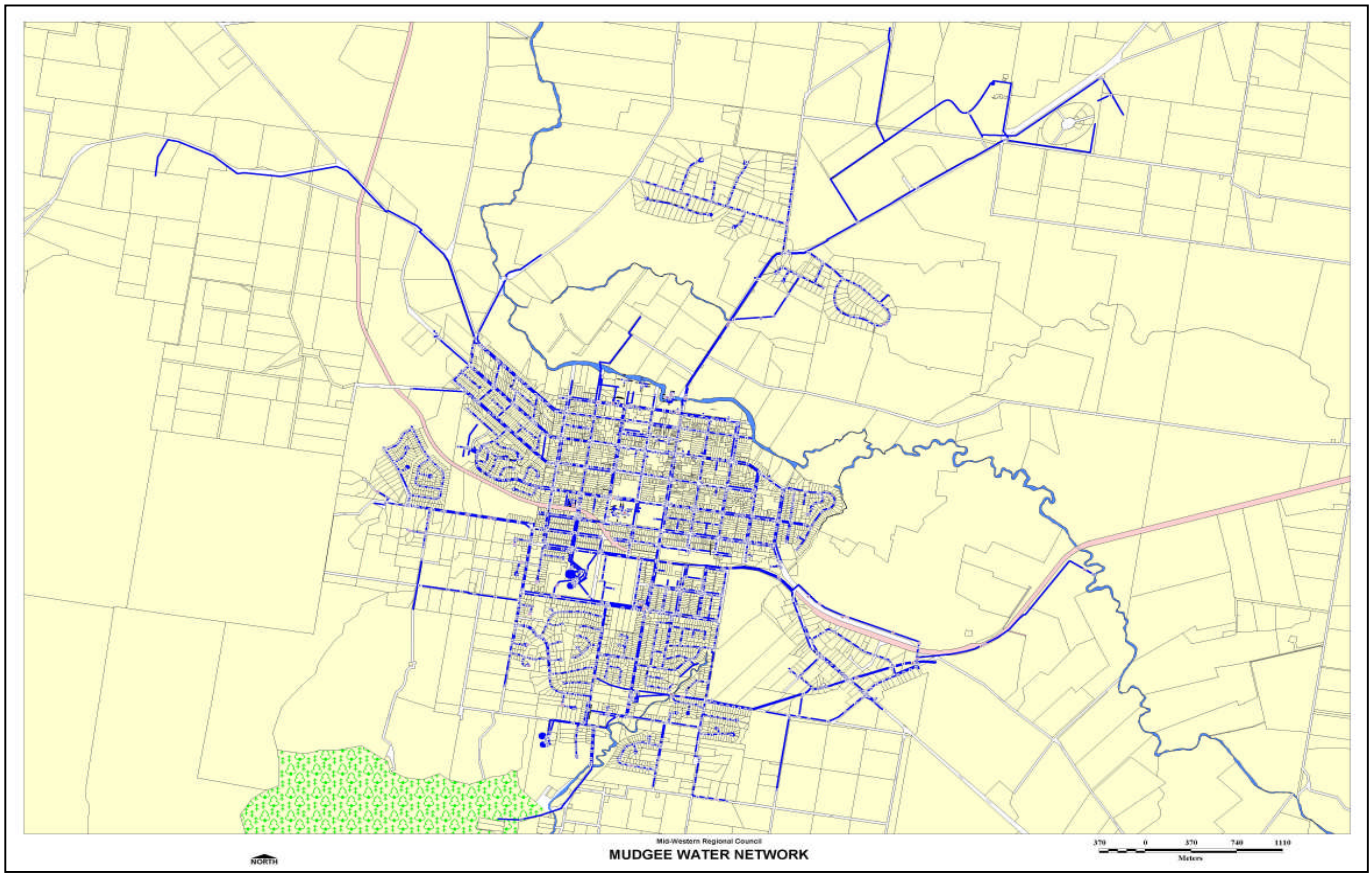


Figure 2 – Map of Gulgong Water Supply Service Area

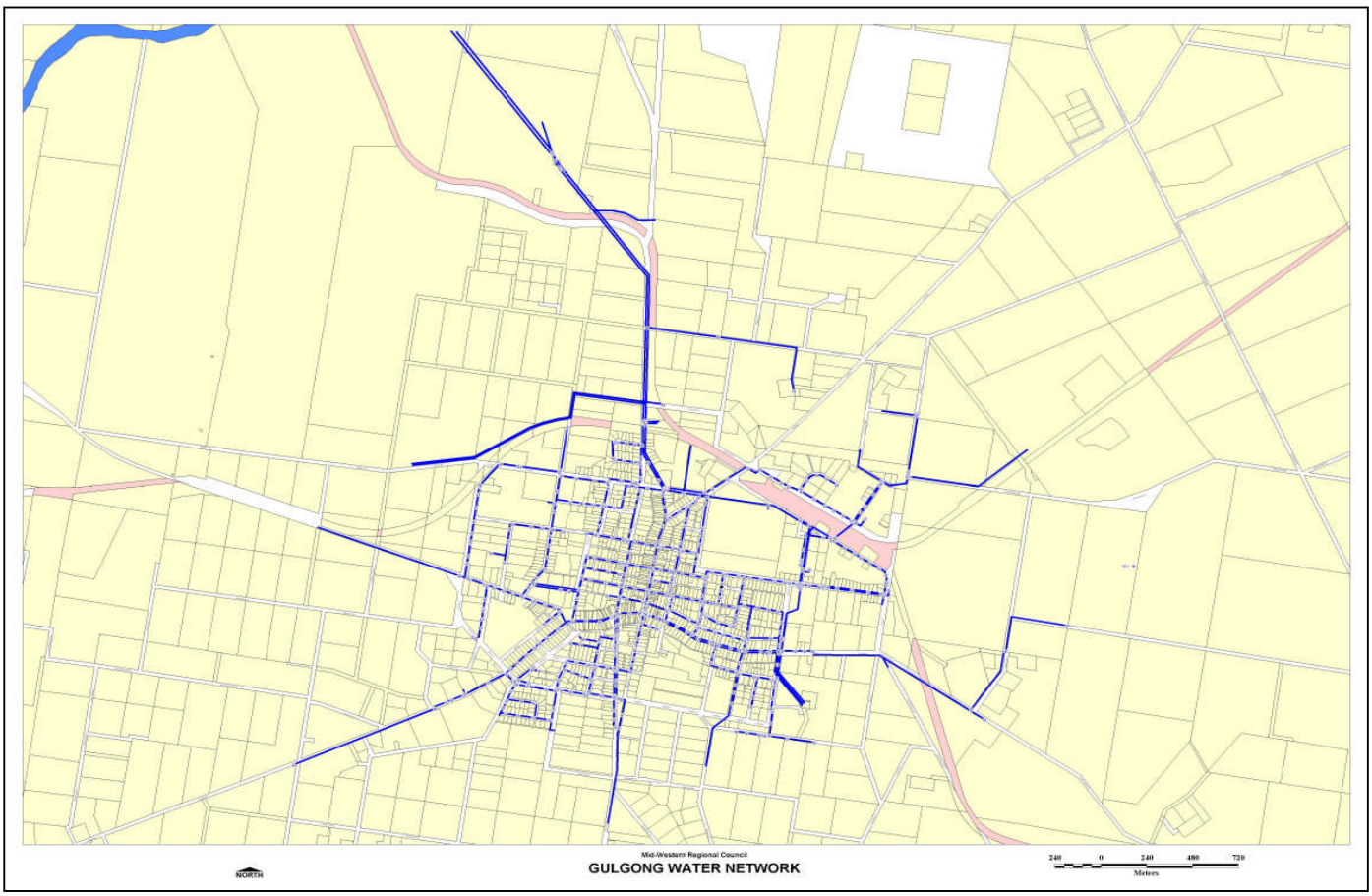


Figure 3 – Map of Rylstone Water Supply Service Area

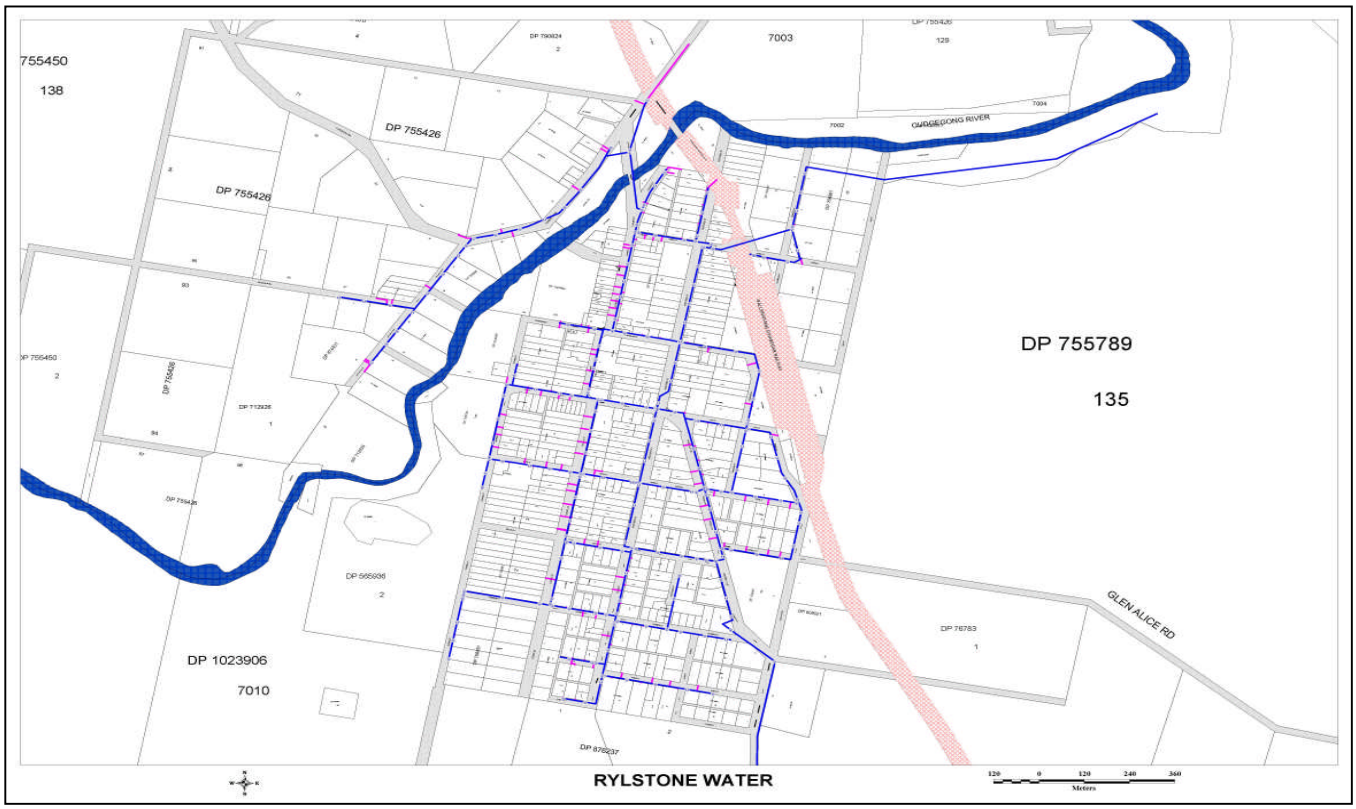


Figure 4 – Map of Kandos Water Supply Service Area

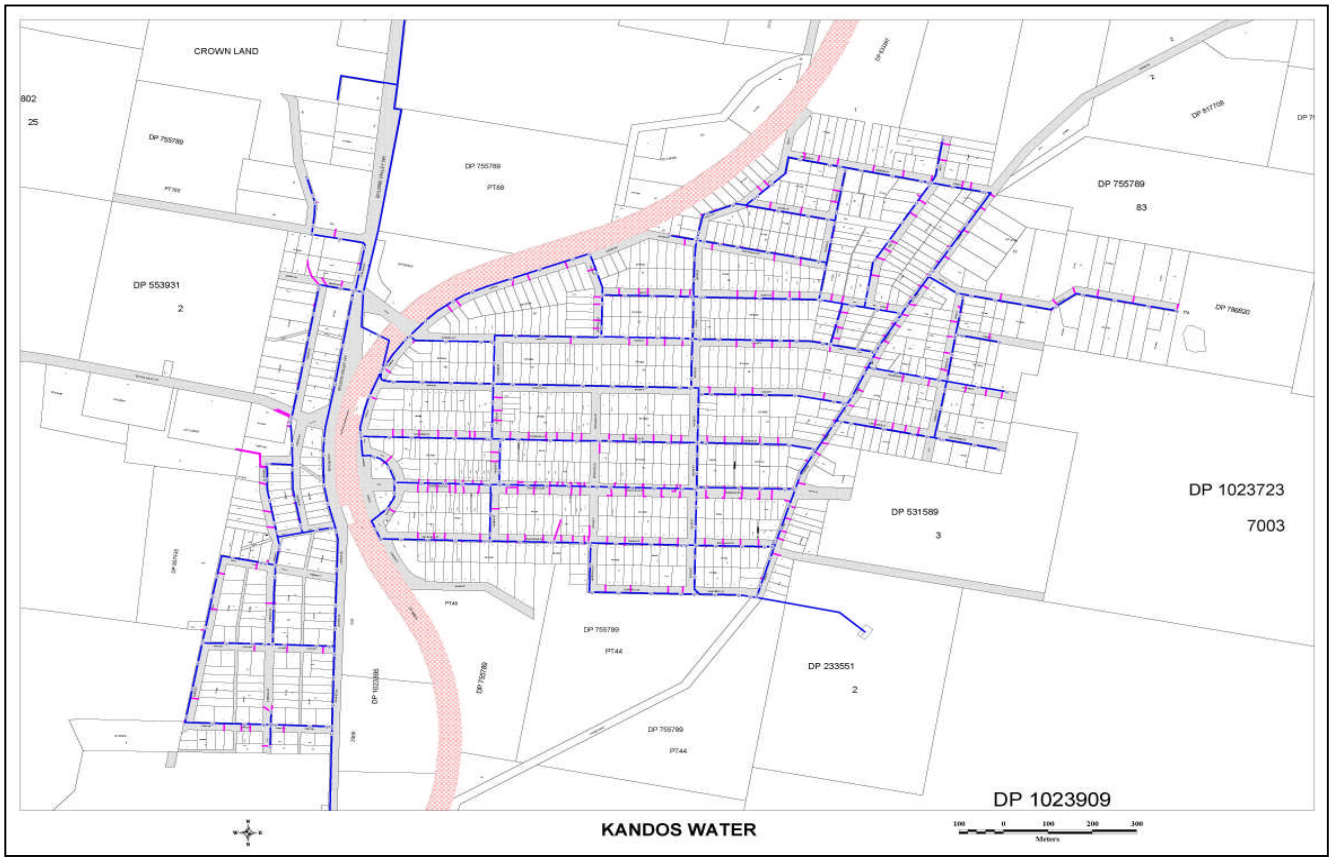


Figure 5 – Map of Charbon and Clandulla Water Supply Service Area