Development and Financial Contributions Policy

Purpose

1. Population and business growth create the need for new subdivisions and developments, and these place increasing demands on the assets and services provided by Central Otago District Council (Council). As a result, significant investment in new or upgraded assets and services is required to meet the demands of growth.

2. The purpose of the Policy is to ensure that a fair, equitable, and proportionate share of the cost of those assets and services is funded by development. Council intends to achieve this by using:

    - development contributions under the Local Government Act 2002 (LGA02) for network infrastructure (water supplies, wastewater and transport) across the district including Alexandra, Clyde, Cromwell, Omakau, Ranfurly, Roxburgh, Naseby and Patearoa; and
    - financial contributions under the Resource Management Act 1991 (RMA) for reserves across the district.

Navigating this document

3. The Policy outlines Council's approach to funding development infrastructure via development contributions under the LGA02 and financial contributions under the RMA.

4. The Policy has three main parts:

    - Part 1: Policy operation
    - Part 2: Policy background and supporting information
    - Part 3: Catchment maps for the development contributions.

PART 1: Policy operation

5. Part 1 provides information needed to understand if, when, and how development contributions and financial contributions will apply to developments. It also explains peoples' rights and the steps required to properly operate the Policy.

6. The key sections of Part 1 are:

    - The charges
    - Liability for development contributions
    - When development contributions are levied
    - Determining infrastructure impact
    - Review rights
    - Other operational matters

- Summary of financial contributions
- Definitions.

PART 2: Background and supporting information

7. Part 2 provides the information needed to meet the accountability and transparency requirements of the LGA02 for the Policy, including explaining Council's policy decisions, how the development contributions were calculated, and what assets the development contributions are intended to be used towards.

8. The key sections of part 2 are:

    - Requirement to have the Policy
    - Funding summary
    - Funding policy summary
    - Catchment determination
    - Significant assumptions of the Policy
    - Cost allocation
    - Calculating the development contributions
    - Schedule 1 Development contribution calculations
    - Schedule 2 Future assets and programmes funded by development contributions
    - Schedule 3 Past assets and programmes funded by development contributions.

PART 3: Catchment maps

9. Part 3 provides the catchment maps that show where the development contributions in the Policy apply.

PART 1: Policy operation

Development contributions

The charges

10. There are seven areas (catchments) within the Central Otago district (the District) where development contributions apply. The catchments where development contributions apply for each infrastructure activity are mapped in Part 3 of the Policy.

11. The related charges per Household Unit Equivalent (HUE) for each activity are in Table 1. See the *Determining infrastructure impact* section below for an explanation of a HUE.

12. For each infrastructure activity for which development contributions are required, the development contribution payable is calculated by multiplying the number of HUEs generated through the development by the charge for that activity. This is then aggregated for all activities to give the total charge.

13. For example, subject to any credits that may apply for the original lot, a three-lot residential development in Alexandra will pay three times the water, wastewater, transport and community infrastructure charges, totalling $49,158 (GST inc) plus financial contributions.

14. These charges may be adjusted for inflation annually in line with the Producers Price Index Outputs for Construction, as permitted by sections 106 (2B) and (2C) of the LGA02. The latest charges will be published on Council's website https://www.codc.govt.nz/services/planning/development-contributions.

Table 1: Charge per HUE at 1 July 2021 (GST inclusive)[1]

ACTIVITY	CHARGE PER HUE (GST INC)		
Water	**Scheme ($)**	**District ($)**	**Total ($)**
Alexandra and Clyde	7,042	89	7,131
Cromwell	3,788	89	3,877
Naseby	3,956	89	4,044
Omakau	10,828	89	10,917
Patearoa	3,178	89	3,267
Ranfurly	2,404	89	2,493
Roxburgh	5,323	89	3,321
Wastewater			
Alexandra and Clyde	7,140	396	7,536
Cromwell	2,743	396	3,139
Naseby	3,004	396	3,399

ACTIVITY	CHARGE PER HUE (GST INC)		
Omakau	4,597	396	4,992
Ranfurly	400	396	796
Roxburgh	4,275	396	4,670
Stormwater	**Scheme ($)**	**District ($)**	**Total ($)**
District	-	-	-
Reserves			
Urban areas	Financial contribution		
Rural areas	Financial contribution		
Transport			
District	-	1,719	1,719
Community infrastructure			
District	**-**	**-**	**-**

This table has rounding (± 1)

[1] GST has been applied at the rate of GST as at 1 July 2021 (15%). Should the rate of GST change, the charges will be adjusted accordingly. The GST exclusive charge per activity can be found in Schedule 1.

Liability for Development Contributions

15. If subdividing, building, connecting to Council's services, or otherwise undertaking development in the District, development contributions may need to be paid. Development contributions apply to developments within the areas shown in the Development Contribution Catchment Maps in Part 3.

16. In some circumstances, development contributions may not apply or may be reduced. Further information on these circumstances can be found in the sections When development contributions are levied, Credits, and Limitations on imposing development contributions.

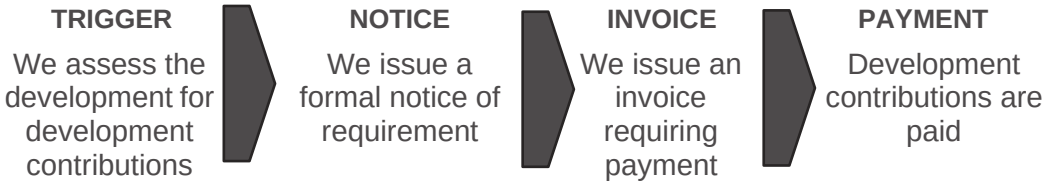
17. Financial contributions may also be required in some cases. This is discussed later in the Policy.

18. Development of new infrastructure sometimes means that areas not previously subject to the development contributions policy development contribution become so. For example, a bare section in a subdivision may be liable for development contributions whereas previously constructed houses on the same subdivision were not.

19. Council officers will be available to help resolve any uncertainty about development contribution liabilities.

When Development Contributions are levied

20. Once an application for a resource consent, building consent, certificate of acceptance, or service connection has been made with all the required information, the normal steps for assessing and requiring payment of development contributions are:



21. These steps are explained in more detail below.

Trigger for requiring development contributions

22. Subject to the 3-step initial assessment outlined in paragraph 25 below, Council can require development contributions for a development upon the granting of:

- A resource consent
- A building consent or certificate of acceptance
- An authorisation for a service connection.

23. Council will generally require development contributions at the earliest possible point (i.e. whichever consent, certificate, or authorisation listed above is granted first). For new developments, the resource consent is often the first step in the process and therefore the first opportunity to levy development contributions. Where development contributions were not assessed (or only part assessed) on the first consent, certificate or authorisation for a development, this does not prevent the Council assessing contributions on a subsequent consent, certificate or authorisation for the same development (for the reasons set out in the following paragraphs).

24. Development contributions will be assessed under the Policy in force at the time the application for resource consent, building consent, certificate of acceptance, or service connection was submitted with all required information.

Initial Assessment

25. On receiving an application for resource consent, building consent, certificate of acceptance, or service connection, Council will check that:

A. the development (subdivision, building, land use, or work) generates a demand for reserves, community infrastructure or network infrastructure; and

B. the effect of that development (together with other developments) is to require new or additional assets or assets of increased capacity in terms of reserves, community infrastructure or network infrastructure; and

C. Council has incurred or will incur capital expenditure to provide appropriately for those assets. This includes capital expenditure already incurred by Council in anticipation of development.

26. Council has identified the assets and areas that are likely to meet the requirements of (B) and (C), and these are outlined in Schedules 2 and 3 (Past and future assets funded by development contributions) and Part 3 Development contribution catchment maps). In general, if a development is within one of the areas covered by the catchment maps, it is likely that development contributions will be required.

Development contributions may be waived or reduced if:

- a resource consent or building consent does not generate additional demand for any community facilities (such as a minor boundary adjustment); or
- one of the circumstances outlined in the section Limitations on imposing development contributions apply; or
- credits apply as outlined in the Credits section.

27. If a subsequent resource consent (including a change to a condition of a resource consent), building consent, certificate of acceptance, or service connection is sought, a new assessment may be undertaken using the policy in force at that time. Any increase or decrease in the number of HUEs, relative to the original assessment, will be calculated and the contributions adjusted to reflect this.

28. This means Council will require additional development contributions where additional units of demand are created, and development contributions for those additional units of demand have not already been required.

29. Examples of where additional development contributions may apply after a subsequent trigger event include:

- Minimal development contributions have been levied on a commercial development at subdivision or land use consent stage, as the type of development that will happen will only be known at building consent stage.
- Development contributions levied at the subdivision or land use consent stage were for a small home, but the home built is larger or is subsequently extended.
- The nature of use has changed, for example from a low infrastructure demand commercial use to a high infrastructure demand commercial use.

NOTICE

30. A development contribution notice will normally be issued when a resource consent, building consent, certificate of acceptance, or service connection authorisation is granted. In some cases, the notice may be issued or reissued later. The notice is an important step in the process, as it outlines the activities and the number of HUEs assessed for development contributions, as well as the charges that will apply to the development. It also triggers rights to request a development contributions reconsideration or to lodge an objection (see the section on Review rights below).

31. If multiple consents or authorisations are being issued for a development, a development contribution notice may be issued for each.

32. Development contribution notices do not constitute an invoice or an obligation to pay for the purposes of the Goods and Services Tax Act 1985.

INVOICE

33. An invoice for development contributions will be issued to provide an accounting record and to initiate the payment process. The timing of the invoice is different for different types of consents or authorisations (see Table 2).

Table 2: Invoice timing

	Invoice timing
Building consent	At granting of the building consent
Certificate of acceptance	At the time of application for a certificate of acceptance
Resource consent for subdivision	At the time of application for a certificate under section 224(c) of the RMA (the 224(c) certificate). An invoice will be issued for each stage of a development for which 224(c) certificates are sought, even where separate stages are part of the same consent.
Resource consent (other)	At granting of the resource consent
Service connection	At the time of application for the service connection

34. Despite the provisions set out above, if a development contribution required by Council is not invoiced at the specified time as a result of an error or omission on the part of Council, the invoice will be issued when the error or omission is identified. The development contributions remain payable.

PAYMENT

35. Development contributions must be paid by the due dates in Table 3.

Table 3: Payment due date

	Payment due date
Building consent	20th of the month following the issue of the invoice
Certificate of acceptance	At issue of the certificate of acceptance
Resource consent for subdivision	Prior to release of the certificate under section 224(c) of the RMA
Resource consent (other)	20th of the month following the issue of the invoice
Service connection	At issue of the connection approval

36. On time payment is important because, until the development contributions have been paid in full, Council may:

- Prevent the commencement of a resource consent.
- Withhold a certificate under section 224(c) of the RMA.
- Withhold a code compliance certificate under section 95 of the Building Act 2004.
- Withhold a service connection to the development.
- Withhold a certificate of acceptance under section 99 of the Building Act 2004.

37. Where invoices remain unpaid beyond the payment terms set out in the Policy, Council will start debt collection proceedings, which may involve the use of a credit recovery agent. Council may also register the development contribution under the Land Transfer Act 2017, as a charge on the title of the land in respect of which the development contribution was required.

Determining Infrastructure Impact

38. In order to have a consistent method of charging for development contributions, the Policy is centred around the concept of a household unit equivalent or “HUE” for infrastructure. In other words, an average household in a standard residential unit and the demands they typically place on community facilities. Table 4 summarises the demand characteristics of each HUE.

Table 4: HUE demand measures

Activity	Unit of measurement	Demand per hue
Water	Occupancy	2.2 people
Wastewater	Occupancy	2.2 people
Stormwater	N/A	N/A
Transport	Trips per day	8 trips per day
Reserves	N/A	N/A
Community infrastructure	N/A	N/A

RESIDENTIAL DEVELOPMENT

39. In general, the number of HUEs charged is one per new allotment or residential unit created, although lower assessments can apply in some cases for minor and small residential units.

40. When calculating the number of HUEs for a residential subdivision, Council will adjust the assessment to account for any:

- Credits relating to the site (refer to the Credits section below).
- Allotment which, by agreement, is to be vested in Council for a public purpose.
- Allotment required as a condition of consent to be amalgamated with another allotment.

41. A retirement unit or visitor accommodation unit will be assessed as generating 0.5 HUEs for each activity. If a unit could be used for residential or visitor accommodation purposes Council will determine the most appropriate classification based on the nature of the development.

Minor and small residential units

42. Council will permit lower assessments for minor or small residential units in relation to:

- Building consents or certificates of acceptance.
- Subdivision, land use consents, or connection authorisations where information is provided by the applicant that demonstrates that a minor or small residential unit(s) will be provided, to the satisfaction of Council. Council may enter into agreements with developers or landowners to give effect to a minor or small residential unit assessment and bind the applicant to any conditions that accompany the assessment.

43. Such assessments are guided by the parameters outlined in Table 5.

Table 5: Small residential unit (RU) assessment guidance

	Minor	Small	Standard
No. of bedrooms*	1	2	3 or more
HUE Discount (all services)	50%	25%	Nil
Proportion of HUE payable for all charges	0.5	0.75	1

* A definition of bedroom is provided in the glossary

44. Alternatively, for subdivisions, Council will assess each allotment as 1 HUE and may agree to postpone payment by the person undertaking the subdivision until a building consent is issued for an allotment. At that time, Council will adjust the assessment and the payment required accordingly. See the section on Postponement.

45. Should additional bedrooms be proposed to a minor or small residential unit that has been assessed under this section, Council will require additional development contributions in line with Table 6.

Table 6: Small residential unit (RU) extension assessment guidance (HUEs)

Type of extension	Top up proportion payable	Total proportion paid
Extended minor RU to a small RU	0.25	0.75
Extended minor RU to a standard RU	0.5	1
Extended small RU to a standard RU	0.25	1

Non-residential development

46. Non-residential subdivisions, land uses, or building developments are more complicated as they do not usually conform with typical household demands for each service.

47. In these cases, Council makes a HUE equivalent assessment based on the characteristics of the development and demand loadings likely to be placed on the services. To provide consistency, the demand measures in Table 4 have been converted for assessing non-residential developments based on gross floor area, or GFA (Table 7). Council will use these rates for determining HUEs for non-residential developments for water and wastewater unless it seeks or accepts a special assessment.

Table 7: HUE per 100 m2 GFA (*except stormwater, which is based on total impervious surface area)

Development type	Water	Wastewater	Stormwater*	Transport	Community infrastructure	Reserves
Industrial	0.4	0.4	N/A	0.4	N/A	N/A
Commercial	0.4	0.4	N/A	0.4	N/A	N/A
Retail	0.4	0.4	N/A	3.0	N/A	N/A
Places of assembly	1.0	1.0	N/A	1.0	N/A	N/A
Other non-residential	Special assessment	Special assessment	N/A	Special assessment	N/A	N/A

48. If no proper assessment of the likely demand for activities can be carried out at the subdivision consent stage, a development contribution based on one HUE will be charged for each new allotment created and Council will require an assessment to be carried out at the building consent stage. This later assessment will credit any development contributions paid at the subdivision consent stage.

Special assessments

49. Developments sometimes require a special level of service or are of a type or scale which is not readily assessed in terms of HUEs – such as large-scale primary sector processors or service stations. In these cases, Council may decide to make a special assessment of the HUEs applicable to the development. In general, Council will evaluate the need for a special assessment for one or more activities where it considers that:

- the development is of relatively large scale or uses; or
- The development has more than 6 bedrooms
- The development is likely to have less than half or more than twice the demand for an activity listed in Table 7 for that development type; or
- a non-residential development does not fit into an industrial, retail or commercial land use and must be considered under the other category in Table 7; or
- a non-residential development may use more than $5m^3$ of water per day.

50. The demand measures in Table 4 will be used to help guide special assessments.

51. If a special assessment is sought, Council may require the developer to provide information on the demand for community facilities generated by the development. Council may also carry out its own assessment for any development and may determine the applicable development contributions based on its estimates.

Credits

52. Credits are a way of acknowledging that the lot, home or business may already be connected to, or lawfully entitled to use, one or more Council service, or a development contribution has been paid previously. Credits can reduce or even eliminate the need for a development contribution. Credits cannot be refunded and can only be used for development on the same site and for the same service for which they were created.

53. Credits will be given for properties when:

- a development contribution for a lot has already been paid (at least in part). For example, most new subdivision lots will already have had development contributions levied and paid for at least one HUE; or
- the lot existed before 1 July 2004 and was within an urban zoning at that time under the District Plan (i.e. urban residential or urban industrial, commercial, or retail zoning). This excludes rural or rural residential properties; or
- the property was otherwise lawfully connected to a service as at 1 July 2004; or
- a rural or rural residential lot existed before 1 July 2004 (transport, community infrastructure and reserves only).

54. Credits given will be determined in accordance with Table 8.

Table 8: Standard credits

	Credit for each service for which a development contribution has been paid	Credit for urban lots that existed before 1 July 2004	Credit for lawfully connected service as at 1 July 2004	Rural residential lots that existed before * 1 July 2004	Rural lots that existed before * 1 July 2004
Residential units or lots	The number of HUEs	1 HUE for all services	1 HUE for the service(s) connected	1 HUE	1 HUE for any residential units on a lot as at 1 July 2004
Non-residential buildings or lots		Any underlying business lot shall be allocated a credit of one HUE, except for transport where deemed credits will not apply.			

* Transport, community infrastructure, and reserves only.

Review Rights

55. Developers are entitled under the LGA02 to request a reconsideration or lodge a formal objection if they believe Council has made a mistake in assessing the level of development contributions for their development.

Reconsideration

56. Reconsideration requests are a process that formally requires Council to reconsider its assessment of development contributions for a development. Reconsideration requests can be made where the developer has grounds to believe that:

- the development contribution levied was incorrectly calculated or assessed under the Policy; or
- Council has incorrectly applied the Policy; or
- the information Council used to assess the development against the Policy, or the way that Council has recorded or used that information when requiring a development contribution, was incomplete or contained errors.

57. To seek a reconsideration, the developer must:

- Lodge the reconsideration request within 10 working days of receiving the development contribution notice.
- Use the reconsideration form (found on https://www.codc.govt.nz/services/planning/development-contributions) and supply any supporting information with the form.

- Pay the reconsideration fee at the time of application, as set out in Council's Schedule of Fees and Charges.

58. Applications with insufficient information or without payment of fee will be returned to the applicant, with a request for additional information or payment.

59. Once Council has received all required information and the reconsideration fee, the request will be considered by a panel of a minimum of two and a maximum of three people. The panel will comprise people who were not involved in the original assessment. Notice of Council's decision will be given to the applicant within 15 working days from the date on which Council receives all required relevant information relating to the request.

Objections

60. Objections are a more formal process that allow developers to seek a review of Council's decision. Developers have the right to pursue an objection regardless of whether a reconsideration request has been made. A panel of up to three independent commissioners will consider the objection. The decision of the commissioners is binding on the developer and Council, although either party may seek a judicial review of the decision.

61. Objections may only be made on the grounds that Council has:

- failed to properly take into account features of the development that, on their own or cumulatively with those of other developments, would substantially reduce the impact of the development on requirements for community facilities in the District or parts of the District; or
- required a development contribution for community facilities not required by, or related to, the development, whether on its own or cumulatively with other developments; or
- required a development contribution in breach of section 200 of the LGA02; or
- incorrectly applied the Policy to the development.

62. Schedule 13A of the LGA02 sets out the objection process. To pursue an objection, the developer must:

- lodge the request for an objection within 15 working days of receiving notice to pay a development contribution, or within 15 working days of receiving the outcome of any request for a reconsideration; and
- use the objection form (found on https://www.codc.govt.nz/services/planning/development-contributions) and supply any supporting information with the form; and
- pay a deposit.

63. Objectors are liable for Council's actual and reasonable costs incurred in the objection process including staff arranging and administering the process, commissioner's time, and other costs incurred by Council associated with any hearings such as room hire and associated expenses, as provided by section 150A of LGA02. However, objectors are not liable for the fees and allowances costs associated with any Council witnesses.

Other Operational Matters

Refunds

64. Sections 209 and 210 of the LGA02 state the circumstances where development contributions must be refunded, or land returned. In summary, Council will refund development contributions paid if:

- the resource consent:
  - lapses under section 125 of the RMA; or
  - is surrendered under section 138 of the RMA; or
- the building consent lapses under section 52 of the Building Act 2004; or
- the development or building in respect of which the resource consent or building consent was granted does not proceed; or
- Council does not provide the reserve or network infrastructure for which the development contributions were required.

65. Council may retain any portion of a development contribution referred to above of a value equivalent to the costs incurred by Council in relation to the development or building and its discontinuance.

66. Council may retain a portion of a development contribution (or land) refunded of a value equivalent to:

- Any administrative and legal costs it has incurred in assessing, imposing, and refunding a development contribution or returning land for network infrastructure or community infrastructure development contributions.
- Any administrative and legal costs it has incurred in refunding a development contribution or returning land for reserve development contributions.

Limitations on imposing development contributions

67. Council is unable to require a development contribution in certain circumstances, as outlined in section 200 of the LGA02, if, and to the extent that:

- it has, under section 108(2)(a) of the RMA, imposed a condition on a resource consent in relation to the same development for the same purpose; or
- the developer will fund or otherwise provide for the same reserve, network infrastructure or community infrastructure; or
- a third party has funded or provided, or undertaken to fund or provide, the same reserve, network infrastructure or community infrastructure; or

- Council has already required a development contribution for the same purpose in respect of the same building work, whether on the granting of a building consent or a certificate of acceptance.

68. In addition, Council will not require a development contribution in any of the following cases:

- Where, except in the case of a new dwelling, the value of any building work for which a building consent is required is less than $20,000 exclusive of GST, unless the building consent is for a change of use
- Where, in relation to any dwelling, replacement development, repair or renovation work generates no additional demand for reserve or network infrastructure
- Where a building consent is for a bridge, dam (confined to the dam structure and any tailrace) or other public utility
- The application for a resource or building consent authorisation, or certificate of acceptance is made by the Crown.

POSTPONEMENT AND REMISSIONS

69. Postponement of development contribution payment will only be permitted at Council's discretion and only:

- for development contributions over $50,000; and
- where a bond or guarantee equal in value to the payment owed is provided.

70. The request for postponement must be made at the time a resource consent, building consent or service connection is granted. Bonds or guarantees:

- Will only be accepted from a registered trading bank.
- Shall be for a maximum period of 24 months beyond the normal payment date set out in the Policy, subject to later extension as agreed by Council.
- Will have an interest component added, at an interest rate of 2 percent per annum above the Reserve Bank 90-day bank bill rate on the day the bond document is prepared. The bonded sum will include interest, calculated using the maximum term set out in the bond document. If Council agrees to an extension of the term of the guarantee beyond 24 months, the applicable interest rate will be reassessed from the date of Council's decision and the guaranteed sum will be amended accordingly.
- Shall be based on the GST inclusive amount of the contribution.

71. At the end of the term of the guarantee, the development contribution (together with interest) is payable immediately to Council.

72. If the discretion to allow a bond is exercised, all costs for preparation of the bond documents will be met by the applicant.

73. Bonds:

- Will only be accepted where the bond is guaranteed by a registered trading bank
- Shall be for a maximum period of 24 months, subject to later extension as agreed by an authorised officer
- Will have an interest component added, at an interest rate of 2 percent per annum above the Reserve Bank 90-day bank bill rate on the day the bond document is prepared. The bonded sum will include interest, calculated using the maximum term set out in the bond document
- Shall be based on the GST inclusive amount of the contribution.

74. If the discretion to allow a bond is exercised, all costs of preparation of the bond documents will be met by the developer.

75. When considering a request for remission, Council will take into account:

- The purpose of development contributions, Council's financial modelling, and Council's funding and financial policies
- The extent to which the value and nature of the works proposed by the applicant reduces the need for works proposed by Council in its capital works programme
- Any other matter(s) that Council considers relevant.

DEVELOPMENT AGREEMENTS

76. Council may enter into specific arrangements with a developer for the provision and funding of particular infrastructure under a development agreement, including the development contributions payable, as provided for under sections 207A-207F of the LGA02. For activities covered by a development agreement, the agreement overrides the development contributions normally assessed as payable under the Policy.

Financial contributions

Summary of Financial Contributions under the District Plan

77. Council charges financial contributions under the RMA in the District for reserves.

78. Financial contributions are defined by section 108 of the Resource Management Act (RMA) 1991 and collected using the provisions of the District Plan. Contributions are assessed based on the environmental effects of growth. These are defined in Chapter 15 of the Central Otago District Plan.

79. These charges are adjusted annually using the Special Consultative Procedure under section 83 of the LGA02 – so the Council's Schedule of Fees and Charges should be reviewed to see the current charges. These changes need to maintain compliance with section 108 of the RMA. Further information on financial contributions can be found in the District Plan on Council's website https://www.codc.govt.nz/publications/fees-and-charges.

Table 9: Financial contribution charges at 1 July 2021 (GST inclusive at 15%).

Financial contribution	Financial contribution charge	Comment
Reserve – Urban	$2,380 per allotment or dwelling	Land; or cash in lieu of land; or both
Reserve – Rural	$1,190 per allotment or dwelling	Land; or cash in lieu of land; or both

Financial contributions for reserves – urban

80. A financial contribution of money (except as determined in accordance with Policy 15.4.5) towards the provision and/or enhancement of open space, recreation and reserve needs of the District may be levied on subdivision or land use resource consents, or for the erection of new dwellings where no subdivision is required in the residential, business, and industrial resource areas (excluding boundary adjustments or subdivision resulting in an amalgamation of titles) and a financial contribution in terms of this rule shall be made with respect to allotments intended to accommodate a residential activity.

Financial contributions for reserves – rural

81. A financial contribution of money (except as determined in accordance with Policy 15.4.5) towards the provision and/or enhancement of open space, recreation and reserve needs of the District may be levied on subdivision or land use resource consents, or for the erection of new dwellings where no subdivision is required in the Rural Settlement and Rural Resource Areas (excluding boundary adjustments or subdivision resulting in an amalgamation of titles) and a financial contribution in terms of this rule shall be made with respect to allotments intended to accommodate a residential activity.

Definitions

82. In the Policy, unless the context otherwise requires, the following applies:

Accommodation unit has the meaning given in section 197 of the LGA02.

Activity means the provision of facilities and amenities within the meaning of network infrastructure, reserves, or community infrastructure for which a development contribution exists under the Policy.

Allotment (or lot) has the meaning given to allotment in section 218(2) of the RMA.

Asset Management Plan means Council plan for the management of assets within an activity that applies technical and financial management techniques to ensure that specified levels of service are provided in the most cost-effective manner over the life-cycle of the asset.

Bedroom means any habitable space within a residential unit capable of being used for sleeping purposes and can be partitioned or closed for privacy including spaces such as a "games", "family", "recreation", "study", "office", "sewing", "den", or "works room" but excludes:

- any kitchen or pantry;
- bathroom or toilet;
- laundry or clothes-drying room;
- walk-in wardrobe;
- corridor, hallway, or lobby;
- garage; and
- any other room smaller than 6m2.

Where a residential unit has any *living* or *dining* rooms that can be partitioned or closed for privacy, all such rooms except one shall be considered a bedroom.

Capacity life means the number of years that the infrastructure will provide capacity for and associated HUEs.

Catchment means the areas within which development contributions charges are determined and charged.

Commercial activity means any activity associated with (but not limited to): communication services, financial services, insurance, services to finance and investment, real estate, business services, central government administration, public order and safety services, tertiary education provision, local government administration services and civil defence, and commercial offices.

Community facilities means reserves, network infrastructure, or community infrastructure as defined by the LGA02, for which development contributions may be required.

Community infrastructure means:

- land, or development assets on land, owned or controlled by Council for the purpose of providing public amenities; and
- includes land that Council will acquire for that purpose.

Council means Central Otago District Council.

Development means any subdivision, building, land use, or work that generates a demand for reserves, network infrastructure, or community infrastructure (but does not include the pipes or lines of a network utility operator).

District means Central Otago.

Gross floor area (GFA) means the sum of the total area of all floors of a building or buildings (including any void area in each of those floors, such as service shafts, liftwells or stairwells) measured:

- where there are exterior walls, from the exterior faces of those exterior walls;
- where there are walls separating two buildings, from the centre lines of the walls separating the two buildings;
- where a wall or walls are lacking (for example, a mezzanine floor) and the edge of the floor is discernible, from the edge of the floor.

See the National Planning Standards 2019.

Household unit equivalent (HUE) means demand for Council services equivalent to that produced by a nominal household in a standard residential unit.

Industrial activity means an activity that manufactures, fabricates, processes, packages, distributes, repairs, stores, or disposes of materials (including raw, processed, or partly processed materials) or goods. It includes any ancillary activity to the industrial activity.

LGA02 means the Local Government Act 2002.

Network infrastructure means the provision of transportation (roading), water, wastewater and stormwater infrastructure.

Place of assembly means marae, community centres or facilities, halls, places of worship, indoor cultural, recreation, or sporting facilities, clubrooms, cinemas, theatres, and conference facilities.

Policy means this Development and Financial Contributions Policy.

Reserve means land for public open space and improvements to that land needed for it to function as an area of usable green open space. This land is used for recreation, sporting activities and the physical welfare and enjoyment of the public, as well as for the protection of the natural environment and beauty of the countryside (including landscaping, sports and play equipment, walkways and cycleways, carparks, and toilets). In the Policy, reserve does not include land that forms, or is to form, part of any road; or is used, or is to be used, for stormwater management purposes].

Residential unit means building(s) or part of a building that is used for a residential activity exclusively by one household, and must include sleeping, cooking, bathing and toilet facilities. See the National Planning Standards 2019.

Retail activity means any activity trading in goods, equipment or services that is not an industrial activity or commercial activity.

Retirement unit means any dwelling unit in a retirement village but does not include aged care rooms in a hospital or similar facility.

Retirement village has the meaning given in section 6 of the Retirement Villages Act 2003.

RMA means the Resource Management Act 1991.

Service connection means a physical connection to an activity provided by, or on behalf of, Council (such as water, wastewater or stormwater services).

PART 2: Policy details

Requirement to have a policy

Council is required to have a policy on development contributions and financial contributions as a component of its funding and financial policies in its Long-term Plan (LTP) under section 102(2)(d) of the LGA02. The Policy meets this requirement.

Funding Summary

83. From 2001/02 to 2030/31 Council plans to incur $47,282,613 (before interest costs) on infrastructure partially or wholly needed to meet the increased demand for community facilities resulting from growth. This includes works undertaken in anticipation of growth, and future planned works. Of this cost, 11 percent will be funded from development contributions. Including interest costs, the total amount to be funded is $49,459,907.

84. Table 10 provides a summary of the total costs of growth-related capital expenditure and the funding sought by development contributions for all activities and catchments.

Table 10. Total cost of capital expenditure for growth and funding sources

Activity	Total capex	Growth capex	Development contribution funded capex	Total capex proportion funded by development contributions	Capex proportion funded from other sources	Development contribution interest	Total amount to be funded by development contribution s
Calculations	**A**	**B**	**C**	**C/A*100**	**((A- C)/A)*100**	**D**	**C+D**
Total water supply	**133,390,725**	**21,509,677**	**21,509,677**	**16%**	**84%**	**743,997**	**22,253,674**
Greater Alexandra	57,848,685	11,266,757	11,266,757	19%	81%	0	11,266,757
Cromwell	33,233,372	9,044,994	9,044,994	27%	73%	721,538	9,766,533
Omakau	3,493,040	705,862	705,862	20%	80%	0	705,862
Ranfurly	2,122,006	102,510	102,510	5%	95%	0	102,510
Naseby	2,044,848	84,554	84,554	4%	96%	0	84,554
Roxburgh	3,965,414	61,488	61,488	2%	98%	0	61,488
Patearoa	1,063,585	12,096	12,096	1%	99%	0	12,096
District Wide	29,619,773	231,415	231,415	1%	99%	22,459	253,874
Total Wastewater	**113,273,226**	**13,814,403**	**13,814,403**	**12%**	**88%**	**431,901**	**14,246,305**
Greater Alexandra	53,902,873	4,994,933	4,994,933	9%	91%	0	4,994,933
Cromwell	25,275,286	7,595,306	7,595,306	30%	70%	344,203	7,939,509
Omakau	1,236,783	159,180	159,180	13%	87%	16,606	175,786
Naseby	1,071,240	41,483	41,483	4%	96%	0	41,483
Roxburgh	2,293,457	60,786	60,786	3%	97%	0	60,786
District Wide	28,403,656	938,844	938,844	3%	97%	71,092	1,009,936
Total Transport	**177,514,960**	**11,958,532**	**11,958,532**	**7%**	**93%**	**1,001,396**	**12,959,928**
Grand Total	**424,178,910**	**47,282,613**	**47,282,613**	**11%**	**89%**	**2,177,294**	**49,459,907**

This table has rounding (± 1)

Funding policy summary

Funding growth expenditure

85. Council considers the provision of suitable infrastructure as one of its key strategic activities that aid in the provision of social, economic, environmental and cultural well-being of the community. Providing infrastructure in anticipation of growth is an obligation of Council. Council will often invest in infrastructure capacity well in advance of the uptake of that capacity. Therefore, recouping the growth component of this investment is an obligation Council has on behalf of the community.

86. Population and business growth create the need for new subdivisions and development, and these place increasing demands on the assets and services provided by Council. Accordingly, significant investment in new or upgraded assets and services are required to meet the demands of growth.

87. Council has decided to fund these costs from:

- Development contributions under the LGA02 for:
  - water supply;
  - wastewater and
  - transport.
- Financial contributions under the RMA for:
  - reserves.

88. In forming this view, Council has considered the matters set out in section 101(3) of the LGA02 within its Revenue and Financing Policy, and within the Policy.

89. The Revenue and Financing Policy is Council's primary and over-arching statement on its approach to funding its activities. It outlines how all activities will be funded, and the rationale for Council's preferred funding approach.

90. In addition, Council is required under section 106(2)(c) of the LGA02 to explain within the Policy why it has decided to use development contributions and financial contributions to fund capital expenditure relating to the cost of growth. This assessment is below.

91. Council has chosen to use development contributions for water supply, wastewater and transport activities, and financial contributions for reserves. As Council works through the district plan review, the transfer of reserves over to development contributions will be considered.

92. Council has considered whether development contributions and financial contributions] are an appropriate source of funding considering each activity, the outcomes sought, and their links to growth infrastructure. Council has developed three outcomes to help achieve our vision of:

- A connected community
- A thriving economy; and
- A sustainable environment

93. These outcomes seek a well serviced growing community that is financially sustainable. Council is committed to investing in Council infrastructure to renew plant when needed, to accommodate population growth, and to meet environmental and health standards. Development contributions and financial contributions provide a mechanism for funding of water, wastewater, stormwater, roading, and reserves needed to achieve our growth ambitions that may not otherwise be affordable to our community. As a dedicated growth funding source, they also offer more secure funding through which we can deliver on our outcomes for our growing communities.

Other funding decision factors (sections 101(3)(a)(ii) – (v))

94. Council has considered the funding of growth-related community facilities against the following matters:

- The distribution of benefits between the community as a whole, any identifiable part of the community, and individuals, and the extent to which the actions or inaction of particular groups or individuals contribute to the need to undertake the activity.
- The period in or over which those benefits are expected to occur.
- The costs and benefits, including consequences for transparency and accountability, of funding the activity distinctly from other activities.

95. A summary of this assessment is below.

Table 11: Other funding decision factors

Who benefits / whose act creates the need	A significant portion of Council's work programme over the next 10 years is driven by development or has been scoped to ensure it provides for new developments. The extent to which growth is serviced by, and benefits from, an asset or programme as well as how much it serves and benefits existing ratepayers is determined for each asset or programme. Council believes that the growth costs identified through this process should be recovered from development, as this is what creates the need for the expenditure and/or benefits principally from new assets and additional network capacity. Where and to the extent that works benefit existing residents and businesses, those costs are recovered through rates. The Catchment determination section below outlines how Council determined the catchments for development contributions in the Policy.

Period of benefit	The assets constructed for development provide benefits and capacity for developments now and developments in the future. In many cases, the "capacity life" of such assets spans decades. Development contributions allow development related capital expenditure to be apportioned over the capacity life of assets. Developments that benefit from the assets will contribute to their cost, regardless of whether the developments happen now or in the future. Financial contributions to be secured on land use activities and/or subdivision activities which represent the cost imposed on the wider community in relation to remedying or mitigating adverse effects as a consequence of that land use activity and/or subdivision activity.
Funding sources and rationale including rationale for separate funding	The cost of supporting development in the Central Otago District is significant. Development contributions and financial contributions send clear signals to the development community about the cost of growth and the capital costs of providing infrastructure to support that growth. The benefits to the community are significantly greater than the cost of policy making, calculations, collection, accounting and distribution of funding for development contributions.

Overall impact of liability on the community (section 101(3)(b))

96. The liability for revenue falls directly with the growth community. At the effective date of this Policy, Council considers that any negative impact on the social, economic, environmental and cultural well-being of this particular sector of the community is outweighed by a positive impact on the wider community. At any stage in the future where there may be impacts of this nature, Council may revisit this policy.

97. Council has also considered the impact of the overall allocation of liability on the community. In this case, the liability for revenue falls directly with the development community. Council considers that the level of development and financial contributions is affordable and does not consider it likely that there will be an undue or unreasonable impact on the social, economic, environmental and cultural wellbeing of this section of the community.

98. Moreover, shifting development costs onto ratepayers is likely to be perceived as unfair and would significantly impact the rates revenue required from existing residents who do not cause the need for, or benefit directly from, the growth infrastructure needed to service new developments.

99. Overall, Council considers it fair and reasonable, and that the social, economic, environmental and cultural interests of the District's communities are best advanced through using development contributions and financial contributions to fund the costs of growth-related capital expenditure for community facilities.

Catchment determination

100. When setting development contributions, Council must consider how it sets its catchments for grouping charges by geographic area.

101. The LGA02 gives Council wide scope to determine these catchments, provided that:

- The grouping is done in a manner that balances practical and administrative efficiencies with considerations of fairness and equity; and
- Grouping by geographic area avoids grouping across an entire district wherever practical.

102. Council has determined that there will be:

- Scheme based catchments for water supply and wastewater
- One district-wide catchment for transport

103. Council considers that this strikes the right balance between practical and administrative efficiency, and considerations of fairness and equity for the following reasons:

- Using scheme-based catchments for water supply and wastewater ensures that there is a direct link between additional demand and growth costs imposed on the scheme.
- Going down a further level to consider additional demand to individual supply zones is considered inefficient and would likely result in significant movements in the contributions from policy to policy.
- All developments within the district's boundaries have the ability to use the transport network. Therefore, all developments shall be assessed for a development contribution. Transport development contributions fund growth-related capital expenditure for all components of the transportation network.

Significant assumptions of the policy

METHODOLOGY

104. In developing a methodology for the development contributions in the Policy, Council has taken an approach to ensure that the cumulative effect of development is considered across each catchment.

PLANNING HORIZONS

105. A 10 to 30-year timeframe has been used as a basis for forecasting growth and growth-related assets and programmes. This is set out in Council's asset management plans.

PROJECTING GROWTH

106. The District has experienced strong population and economic growth, and this growth is forecast to increase further. Statistics New Zealand (Stats NZ) figures indicate strong population growth in the District, with the number of residents increasing by 3.3% per annum since 2013.

107. Using growth projections developed by Rationale Ltd as a base, the key assumptions about future growth are:

- Years 2021-2031:
  - Population growth in the District of around 1.7% (or around 420 people) per annum.
  - Residential unit growth in the District of around 1.6% (or around 210 units) per annum.
  - Commercial and industrial rating unit growth in the District of around 1.5% (or around 20 units) per annum.

- Years 2031-2051:
  - Population growth in the District of around 1.1% (or around 220 people) per annum.
  - Residential unit growth in the District of around 1.1% (or around 110 units) per annum.
  - Commercial and industrial rating unit growth in the District of around 1.0% (or around 10 units) per annum.

108. A five-yearly breakdown of population and household forecasts is in Table 13.

Table 12: Five-yearly breakdown of population and household forecasts

	2013 Census	2021 (EST)	2026	2031	2036	2041	2046	2051
Alexandra and Clyde								
Population	5,960	7,114	7,468	7,692	7,875	8,030	8,204	8,379
Household	3,165	3,552	3,731	3,846	3,938	4,013	4,095	4,179
Cromwell								
Population	4,737	6,600	7,219	7,688	8,111	8,514	8,938	9,366
Household	2,616	3,687	4,117	4,479	4,660	4,829	5,011	5,205
Omakau								
Population	297	346	358	378	400	424	450	478
Household	195	229	237	250	264	280	298	316
Ranfurly								
Population	666	738	754	759	760	751	735	715
Household	429	466	477	480	481	481	481	481
Roxburgh								
Population	603	680	681	689	694	697	702	704
Household	405	421	422	426	429	431	434	436
Naseby								
Population	120	125	128	129	129	127	125	121
Household	282	302	308	311	311	311	311	311

	2013 Census	2021 (EST)	2026	2031	2036	2041	2046	2051
Patearoa								
Population	185	196	201	203	203	201	197	192
Household	73	77	79	79	79	79	79	79
Other								
Population	5,912	8,005	8,899	10,045	11,167	12,251	13,309	14,351
Household	2,855	3,435	3,737	4,161	4,735	5,296	5,845	6,378
District Total								
Population	18,480	23,803	25,70	27,582	29,338	30,995	32,660	34,306
Household	**10,020**	**12,169**	**13,10**	**14,032**	**14,898**	**15,721**	**16,555**	**17,385**

This table has rounding (± 1)

109. Council forecasts demand of approximately 450 rating units for business development over the next 30 years to accommodate population growth.

110. The combined demand forecast is approximately 5,550 rating units over 30 years – 5,100 HUEs for households and 450 HUEs for business. Further information about these forecasts can be found in Council's 2021-2031 Long-term Plan and on Council's website https://www.codc.govt.nz.

Best available knowledge

111. Development contributions are based on capital expenditure budgets included in Council's asset management plans. The capital expenditure budgets and projected estimates of future asset works are based on the best available knowledge at the time of preparation. As better information becomes available, the Policy will be updated, generally through the annual plan process.

Key risks/effects

112. There are two key risks and resulting effects associated with administering development contributions. These are:

- That the growth predictions do not eventuate, resulting in a change to the assumed rate of development. In that event, Council will continue to monitor the rate of growth and will update assumptions in the growth and funding predictions, as required.
- That the time lag between expenditure incurred by Council and development contributions received from those undertaking developments is different from that assumed in the funding model, and that the costs of capital are greater than expected. This would result in an increase in debt servicing costs. To guard against that occurrence, Council will continue to monitor the rate of growth and will update assumptions in the growth and funding models as required.

Service assumptions

113. It is assumed that methods of service delivery and levels of service will remain substantially unchanged and in accordance with Council's Long-term Plan, asset management plans and Infrastructure Strategy.

Funding model

114. A funding model has been developed to calculate development contributions under the Policy. It accounts for the activities for which contributions are sought, the assets and programmes related to growth, forecast growth and associated revenue. The funding model embodies several important assumptions, including that:

- All capital expenditure estimates are inflation adjusted and GST exclusive.
- The levels of service (LOS)/backlog, renewal and maintenance portions of each asset or programme will not be funded by development contributions. See the Cost allocation section below.
- The growth costs associated with an asset are spread over the capacity life of the asset and any debt incurred in relation to that asset will be fully repaid by the end of that capacity life.
- Interest expenses incurred on debt accrued will be recovered via development contributions and shared equally over all forecast HUEs over a 10-year period for each activity/catchment.

Cost allocation

115. Council must consider how to allocate the cost of each asset or programme between three principal drivers – growth, LOS/backlog, and renewal. Council's general approach to cost allocation is summarised as:

- Where a project provides for and benefits only growth, 100% of a project's cost is attributed to growth. To qualify for this, there would have to be no renewal element (see below) or material level of service benefit or capacity provided for existing residents and businesses.
- Where a project involves renewal of existing capacity, the following approach is used.
    i. A renewal project that renews an asset to its original condition and capacity is 100% renewal.
    ii. If the capacity is increased as part of the renewal, then the renewal portion is estimated using the age of the asset over its expected standard life.
    iii. If the asset age is unknown, then the growth portion will be based on the proportion that growth (in HUEs) will make up of the future community (in HUEs). The remainder is apportioned to renewal.
- If a project provides for growth and LOS, after deducting any share of costs attributable to renewal, Council will split the cost between growth and LOS based on the future beneficiary split. Under this approach, the cost attributed to:
    iv. Growth will be based on the proportion that growth (in HUEs) will make up of the future community (in HUEs)".]

v. LOS will be based on the proportion that the existing community (in HUEs) will make up of the future community (in HUEs).
vi. If the asset age is unknown, then the growth portion will be based on the proportion that growth (in HUEs) will make up of the future community (in HUEs). The remainder is split between LOS and renewal.

116. For particularly large and expensive projects, Council may undertake a specific cost apportionment assessment that differs from the general approach outlined above.

Calculating the development contributions

117. This section outlines how the development contributions were calculated in accordance with section 203 and Schedule 13 of the LGA02.

Process

118. The steps needed to determine growth, growth projects, cost allocations, and to calculate the development contributions charges are summarised in Table 14.

Table 13: Summary of development contribution calculation methodology

Step	Description / comment	Example ($ GST exc)
1. Forecast growth	Council estimates potential land supply and likely take up of that land. The estimates help provide household and business growth forecasts for up to 30 years. See the *Projecting growth* section above for further information.	Existing Cromwell HUEs = 4,800. 20 yr growth = 1,500 HUEs
2. Identify projects required to facilitate growth	Council develops the works programme needed to facilitate growth. In some cases, Council may have already undertaken the work. The future programme in the Policy is for 10 years.	WS Cromwell WTP Upgrade = $10.2M
3. Determine the cost allocation for projects	The cost of each asset or programme is apportioned between renewal, growth, and LOS/backlog in accordance with the approach outline in the *Cost allocation* section of the Policy. Schedules 2 and 3 of the Policy outline the amount required to fund growth from development contributions for each of these assets or programmes.	Growth % = 1500/(4800+1500) = 24% Growth $ = 24% * $10.2M = $2.4M
4. Determine growth costs to be funded by development contributions	Council determines whether to recover all of the growth costs identified in step 3 from development contributions, or whether some of the growth costs will be funded from other sources.	100% of growth costs funded from development = $2.4M
5. Adjust for interest costs and charge inflation adjustments	The raw cost requires adjustments in the funding model to ensure total revenue received over 10 years equals total costs after accounting for interest costs. These costs are shared equally among all HUEs in the relevant catchment over 10 years. These adjustments impact the final charges.	Interest costs estimated at $0.14M means total cost to fund via DCs = $2.54M
6. Divide development contribution funded growth costs by capacity lives	The growth costs from step 5 are divided by the estimated capacity life (defined in HUEs) to provide a charge per HUE for each future and past asset and programme. This is done year by year so that the consumption of an asset's capacity can be considered annually.	Cost per HUE = $2.54M/1500 HUEs = $1,700 per HUE
7. Sum all per asset charges	For each catchment and activity, add up the per HUE asset or programme charges to provide a total development contribution. This is done over the future 10 year analysis window to give a charge that reflects the capacity consumed over the next 10 years. For each activity and catchment, development contributions fund the programme on an aggregated basis.	Total growth costs in 10 yr analysis window = $1.25M. Total HUEs in 10 yr analysis window = 909 HUEs. Charge per HUE = $1.25M / 909 HUEs = $1,374 per HUE

Summary of calculations

119. Schedule 1 summarises the calculation of the charge per HUE for each activity/catchment (step 7). Schedules 2 and 3 provide information on each asset or programme including the information in steps 2 - 6.

Schedule 1 – Charge per Household Unit Equivalent calculations

This schedule summarises the calculation of the charge per HUE for each activity for each catchment. This includes the components of the charge related to capital expenditure on past assets, capital expenditure on future assets, and interest costs. All figures exclude GST.

Water

Reference	Development contribution funded $	Development contribution funded in analysis period $	Interest cost $	Total DC funded in analysis period $	Recoverable growth/capacity life (HUEs)	Charge per HUE (GST exc)
Greater Alexandra	**11,266,757**	**4,929,267**	**0**	**4,929,267**	**805**	**6,124**
Future assets or programmes (refer schedule 2)	5,861,292	1,931,989	0	1,931,989	805	2,400
Past assets or programmes (refer schedule 3)		2,997,278	0	2,997,278	805	3,724
Cromwell	**9,044,994**	**2,779,633**	**215,403**	**2,995,037**	**909**	**3,294**
Future assets or programmes (refer schedule 2)	5,703,633	1,978,195	137,269	2,115,464	909	2,327
Past assets or programmes (refer schedule 3)	3,341,362	801,439	78,134	879,573	909	968
Naseby	**84,554**	**31,308**	**0**	**31,308**	**9**	**3,440**
Future assets or programmes (refer schedule 2)	3,165	1,975	0	1,975	9	217
Past assets or programmes (refer schedule 3)	81,389	29,333	0	29,333	9	3,223
Omakau	**705,862**	**253,516**	**0**	**253,516**	**27**	**9,416**
Future assets or programmes (refer schedule 2)	130,871	2,124	0	2,124	27	79

Reference	Development contribution funded $	Development contribution funded in analysis period $	Interest cost $	Total DC funded in analysis period $	Recoverable growth/capacity life (HUEs)	Charge per HUE (GST exc)
Past assets or programmes (refer schedule 3)	574,990	251,392	0	251,392	27	9,337
Patearoa	**12,096**	**6,116**	**0**	**6,116**	**2**	**2,764**
Future assets or programmes (refer schedule 2)	1,446	1,177	0	1,177	2	532
Past assets or programmes (refer schedule 3)	10,649	4,939	0	4,939	2	2,232
Ranfurly	**102,510**	**31,480**	**0**	**31,480**	**15**	**2,090**
Future assets or programmes (refer schedule 2)	0	0	0	0	0	0
Past assets or programmes (refer schedule 3)	102,510	31,480	0	31,480	15	2,090
Roxburgh	**61,488**	**12,094**	**0**	**12,094**	**4**	**2,811**
Future assets or programmes (refer	2,425	2,425	0	2,425	4	564
Past assets or programmes (refer schedule 3)	59,063	9,669	0	9,669	4	2,247
District wide	**231,415**	**89,094**	**8,646**	**97,740**	**1,272**	**77**
Future assets or programmes (refer schedule 2)	231,410	89,092	8,646	97,738	1,272	77
Past assets or programmes (refer schedule 3)	5	2	0	2	1,272	0

This table has rounding (± 1)

WASTEWATER

Reference	Development contribution funded $	Development contribution funded in analysis period $	Interest cost $	Total DC funded in analysis period $	Recoverable growth/capacity life (HUEs)	Charge per HUE (GST exc)
Greater Alexandra	**4,994,933**	**1,871,374**	**0**	**1,871,374**	**301**	**6,209**
Future assets or programmes (refer schedule 2)	2,636,572	885,123	0	885,123	301	2,937
Past assets or programmes (refer schedule 3)	2,358,360	986,251	0	986,251	301	3,272
Cromwell	**7,595,306**	**2,115,594**	**97,684**	**2,213,277**	**928**	**2,386**
Future assets or programmes (refer schedule 2)	1,444,013	266,158	9,195	275,352	928	297
Past assets or programmes (refer schedule 3)	6,151,294	1,849,436	88,489	1,937,925	928	2,089
Naseby	**41,483**	**23,729**	**0**	**23,729**	**9**	**2,612**
Future assets or programmes (refer schedule 2)	0	0	0	0	0	0
Past assets or programmes (refer schedule 3)	41,483	23,729	0	23,729	9	2,612
Omakau	**159,180**	**71,127**	**7,421**	**78,548**	**20**	**3,997**
Future assets or programmes (refer schedule 2)	52,598	23,759	2,498	26,256	20	1,336
Past assets or programmes (refer schedule 3)	106,582	47,369	4,923	52,292	20	2,661
Ranfurly	**23,871**	**5,121**	**0**	**5,121**	**15**	**348**
Future assets or programmes (refer schedule 2)	3,250	1,826	0	1,826	15	124
Past assets or programmes (refer schedule 3)	20,621	3,296	0	3,296	15	224
Roxburgh	**60,786**	**14,029**	**0**	**14,029**	**4**	**3,717**
Future assets or programmes (refer schedule 2)	19,055	9,835	0	9,835	4	2,606
Past assets or programmes (refer schedule 3)	41,732	4,194	0	4,194	4	1,111
District Wide	**938,844**	**408,134**	**30,905**	**439,040**	**1,276**	**344**
Future assets or programmes (refer schedule 2)	938,844	408,134	30,905	439,040	1,276	344
Past assets or programmes (refer schedule 3)	**0**	**0**	**0**	**0**	**1,276**	**0**

This table has rounding (± 1)

TRANSPORT

Reference	Development contribution funded $	Development contribution funded in analysis period $	Interest cost $	Total DC funded in analysis period $	Recoverable growth/capacity life (HUEs)	Charge per HUE (GST exc)
District	**11,958,532**	**3,190,116**	**268,565**	**3,458,681**	**2,314**	**1,495**
Future assets or programmes (refer schedule 2)	4,933,218	1,372,976	135,182	1,508,158	2,314	652
Past assets or programmes (refer schedule 3)	**7,025,314**	**1,817,140**	**133,383**	**1,950,523**	**2,314**	**843**

This table has rounding (± 1)

Schedule 2 – Future Assets

Schedule 2 provides the forecast future capital expenditure on assets or programmes attributable to new growth in accordance with section 201A of the LGA02. All figures exclude GST.

WATER

ID	Description	Total Cost $	% Funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
Greater Alexandra		**23,025,000**	**44%**	**5,861,292**	**0**	**81,595**	**113,916**	**99,248**	**107,045**	**182,271**	**269,106**	**346,150**	**334,813**	**283,767**	**114,078**	**3,929,303**	**1,931,989**	**805**	**2,400**
PJ19060	Dunstan flats reticulation	15,000,000	22%	3,348,119	0	0	0	0	0	67,067	134,605	202,614	191,180	157,996	61,921	2,532,735	815,384	805	1,013
PJ20110	LDWS water treatment plant construction	4,300,000	19%	811,574	0	81,095	81,724	65,496	65,852	66,209	66,567	66,926	63,149	52,188	20,453	181,914	629,659	805	782
314	WS Alex Network Extensions and Upgrades with Growth	875,000	100%	875,000	0	0	0	0	6,857	14,069	21,669	29,692	35,833	36,370	16,997	713,512	161,488	805	201
303	WS Alex network upgrade Gilligans Gully	800,000	22%	178,565	0	0	0	0	0	0	10,748	10,806	10,196	8,426	3,302	135,086	43,479	805	54
PJ18309	WS Alexandra backflow prevention	750,000	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	805	0
316	WS Clyde network extensions and upgrades	500,000	100%	500,000	0	0	31,185	24,993	25,128	25,265	25,401	25,538	24,097	19,914	7,805	290,674	209,326	805	260
PJ18308	WS Alexandra valve upgrades	500,000	16%	79,049	0	0	0	7,551	7,592	7,633	7,674	7,716	7,280	6,017	2,358	25,227	53,822	805	67
PJ18313	WS Alexandra network upgrades with developments	300,000	23%	68,987	0	500	1,007	1,208	1,616	2,027	2,441	2,858	3,077	2,855	1,241	50,155	18,831	805	23
Cromwell		**22,550,000**	**48%**	**5,703,633**	**395,781**	**24,435**	**128,379**	**154,694**	**236,016**	**245,719**	**255,719**	**333,008**	**238,460**	**245,780**	**253,253**	**3,983,950**	**2,115,464**	**909**	**2,327**
PJ20115	WS Cromwell WTP upgrade	10,200,000	24%	2,435,128	141,582	17,086	120,027	148,574	151,267	154,009	156,801	159,644	112,395	113,932	115,493	1,327,482	1,249,228	909	1,374
55723	WS Cromwell network capacity upgrade	4,500,000	21%	945,545	54,975	0	0	0	0	0	0	66,983	47,158	47,803	48,458	790,119	210,402	909	231
327	WS Cromwell Pisa reservoir and rising main	2,700,000	15%	363,400	9,754	2,326	2,400	1,612	42,801	43,577	44,367	45,171	31,802	32,237	32,679	94,181	278,973	909	307
PJ19058	WS Cromwell capacity upgrades	2,400,000	24%	548,572	31,895	4,272	4,407	2,959	35,063	35,698	36,345	37,004	26,052	26,409	26,770	345,487	234,981	909	258
318	WS Cromwell network extensions and upgrades with growth	1,225,000	100%	1,225,000	136,805	0	0	0	4,792	9,782	14,977	20,387	17,993	21,923	25,954	1,245,997	115,807	909	127
1330	WS Bannockburn pressure management	1,000,000	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0

ID	Description	Total Cost $	% Funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
PJ18317	WS Cromwell network upgrades with developments	450,000	41%	185,987	20,771	751	1,544	1,549	2,093	2,653	3,228	3,819	3,060	3,476	3,899	180,684	26,073	909	29
1331	WS Bannockburn reservoir power supply	75,000	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0
Naseby		**150,000**	**2%**	**3,165**	**0**	**0**	**0**	**297**	**299**	**300**	**301**	**302**	**158**	**159**	**159**	**1,190**	**1,975**	**9**	**217**
337	WS Patearoa firefighting LOS upgrades	150,000	2%	3,165	0	0	0	297	299	300	301	302	158	159	159	1,190	1,975	9	217
Omakau		**350,000**	**37%**	**130,871**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,124**	**128,748**	**2,124**	**27**	**79**
334	WS Ophir trunk main duplication	350,000	37%	130,871	0	0	0	0	0	0	0	0	0	0	2,124	128,748	2,124	27	**79**
Patearoa		**150,000**	**1%**	**1,446**	**0**	**0**	**0**	**191**	**191**	**191**	**192**	**192**	**73**	**73**	**73**	**269**	**1,177**	**2**	**532**
337	WS Patearoa firefighting LOS upgrades	150,000	1%	1,446	0	0	0	191	191	191	192	192	73	73	73	269	1,177	2	**532**
Roxburgh		**300,000**	**1%**	**2,425**	**0**	**0**	**0**	**479**	**482**	**485**	**488**	**491**	**0**	**0**	**0**	**0**	**2,425**	**4**	**564**
PJ19111	WS Roxburgh source investigation	300,000	1%	2,425	0	0	0	479	482	485	488	491	0	0	0	0	2,425	4	**564**
District Wide		**23,024,248**	**1%**	**231,410**	**22,458**	**0**	**6,168**	**3,985**	**4,045**	**15,658**	**15,895**	**16,135**	**11,816**	**11,950**	**12,087**	**156,130**	**97,738**	**1,272**	**77**
PJ17156	WS districtwide piped network renewals	9,862,163	0%	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	1,272	**0**
PJ18294	WS piped network fixture renewals	5,542,345	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	**0**
PJ18292	WS mechanical / process plant renewals	4,969,740	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	**0**
PJ17161	WS districtwide improvements	1,550,000	15%	231,410	22,458	0	6,168	3,985	4,045	15,658	15,895	16,135	11,816	11,950	12,087	156,130	97,738	1,272	**77**
55612	WS districtwide demand management	1,100,000	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,272**	**0**

This table has rounding (± 1)

WASTEWATER

ID	Description	Total Cost $	% Funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	Recov-erable growth/ capacity life (hues)	Charge per HUE
Greater Alexandra		**29,260,000**	**9%**	**2,636,572**	**0**	**41,816**	**47,399**	**35,620**	**38,738**	**76,958**	**115,530**	**145,361**	**121,939**	**123,094**	**138,667**	**1,751,449**	**885,123**	**301**	**2,937**
PJ18344	WW Alex WWTP upgrades	20,800,000	9%	1,846,967	0	4,966	10,025	12,420	14,761	52,197	89,978	119,011	97,518	98,034	98,552	1,249,505	597,462	301	1,982
PJ18350	WW Clyde wastewater implementation	7,300,000	9%	686,781	0	36,750	37,173	21,005	21,146	21,288	21,432	21,576	19,999	20,105	34,622	431,684	255,097	301	846
PJ18346	WW Alex network upgrades with developments	800,000	9%	69,368	0	99	201	170	791	1,419	2,052	2,692	2,716	3,241	3,769	52,218	17,150	301	57
348	WW Alex Earnscleugh road PS	360,000	9%	33,456	0	0	0	2,026	2,040	2,054	2,068	2,082	1,706	1,715	1,724	18,042	15,414	301	51
Cromwell		**6,850,000**	**22%**	**1,444,013**	**49,884**	**5,702**	**6,316**	**4,496**	**7,725**	**11,034**	**14,426**	**17,903**	**66,066**	**69,233**	**72,452**	**1,168,660**	**275,352**	**928**	**297**
351	WW Cromwell WWTP nitrogen removal	5,250,000	23%	1,099,495	37,983	5,279	5,449	3,634	3,700	3,767	3,835	3,905	53,908	54,651	55,405	905,961	193,533	928	209
PJ18352	WW Cromwell network-upgrades with developments	1,600,000	22%	344,518	11,902	422	867	862	4,025	7,267	10,591	13,998	12,158	14,582	17,047	262,699	81,819	928	88
Omakau		**300,000**	**18%**	**52,598**	**5,529**	**1,942**	**1,958**	**2,710**	**2,738**	**2,767**	**2,796**	**2,826**	**2,811**	**2,840**	**2,869**	**26,342**	**26,256**	**20**	**1,336**
PJ18357	WW Omakau WWTP upgrades	300,000	18%	52,598	5,529	1,942	1,958	2,710	2,738	2,767	2,796	2,826	2,811	2,840	2,869	26,342	26,256	20	1,336
Ranfurly		**200,000**	**2%**	**3,250**	**0**	**0**	**0**	**0**	**324**	**325**	**326**	**328**	**173**	**174**	**175**	**1,424**	**1,826**	**15**	**124**
1329	WW Ranfurly WWTP sludge drying bed improvements	200,000	2%	3,250	0	0	0	0	324	325	326	328	173	174	175	1,424	1,826	15	124
Roxburgh		**1,100,000**	**2%**	**19,055**	**0**	**-187**	**-1,651**	**1,553**	**1,718**	**1,729**	**1,740**	**1,751**	**1,053**	**1,061**	**1,068**	**9,220**	**9,835**	**4**	**2,606**
355	WW LRV WWTP treatment improvements	900,000	2%	15,177	0	-187	-1,651	1,398	1,406	1,415	1,424	1,433	862	868	874	7,336	7,842	4	2,077
360	WW Roxburgh WWTP treatment improvements	200,000	2%	3,877	0	0	0	155	312	314	316	318	191	193	194	1,884	1,993	4	528
District Wide		**22,037,548**	**3%**	**938,844**	**71,092**	**4,590**	**22,470**	**23,951**	**60,424**	**61,342**	**62,275**	**63,225**	**46,384**	**46,919**	**47,461**	**499,804**	**439,040**	**1,276**	**344**
PJ17150	WW districtwide reticulation renewals	9,446,135	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
PJ18299	WW mechanical / process plant renewals	5,223,563	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
55511	WW districtwide PS storage upgrades	3,910,000	16%	602,594	45,630	4,590	4,709	3,023	39,178	39,774	40,379	40,995	30,075	30,422	30,773	338,676	263,918	1,276	207
PJ18301	WW piped network fixture renewals	1,357,850	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0

ID	Description	Total Cost $	% Funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	Recov-erable growth/ capacity life (hues)	Charge per HUE
55512	WW districtwide generators	600,000	16%	93,444	7,076	0	0	5,955	6,045	6,137	6,230	6,325	4,641	4,694	4,748	48,668	44,776	1,276	35
55509	WW districtwide S-scan	600,000	16%	98,284	7,442	0	9,348	6,000	6,091	6,184	6,278	6,373	4,676	4,730	4,784	43,820	54,463	1,276	43
55499	WW districtwide screens	540,000	16%	88,456	6,698	0	8,413	5,400	5,482	5,565	5,650	5,736	4,208	4,257	4,306	39,438	49,017	1,276	38
55510	**WW districtwide PS flowmeters**	**360,000**	**16%**	**56,066**	**4,246**	**0**	**0**	**3,573**	**3,627**	**3,682**	**3,738**	**3,795**	**2,784**	**2,816**	**2,849**	**29,201**	**26,865**	**1,276**	**21**

This table has rounding (± 1)

TRANSPORT

ID	Description	Total Cost $	Average of FAR %	% funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	Recover-able growth/ capacity life (HUEs)	Charge per HUE
Drainage																				
	Drainage renewals roading	4,420,000	51%	3%	69,968	8,645	246	502	769	762	1,031	1,256	1,486	1,723	1,666	1,985	67,186	11,427	2,314	5
	Kerb cutdowns	500,000	51%	3%	7,915	978	28	57	87	86	117	142	168	195	189	225	7,600	1,293	2,314	1
Footpaths																				
	District wide footpath renewals	4,500,000	0%	2%	71,006	4,138	562	1,152	1,774	1,771	2,406	2,938	3,486	4,050	3,927	4,687	48,393	26,752	2,314	12
	Alexandra cycle clip on	2,200,000	51%	33%	360,051	26,159	0	2,424	2,465	18,751	20,255	20,515	20,778	21,045	18,068	19,353	242,555	143,655	2,314	62
	New footpaths/ cycle paths	1,000,000	51%	33%	163,660	11,890	1,069	2,189	3,362	3,345	4,539	5,538	6,566	7,623	7,383	8,805	125,130	50,419	2,314	22
	Clyde cycle trail punt	1,000,000	51%	33%	163,660	11,890	0	1,102	1,120	830	9,227	9,345	9,465	9,587	8,230	8,816	117,829	57,721	2,314	25
	Neplusultra street shared path improvements	900,000	51%	33%	147,294	8,584	0	12,056	12,258	9,081	9,809	9,935	10,063	10,192	8,750	9,373	64,361	91,517	2,314	40
Minor Improvements																				
	Sargood Road/Murray Terrace roundabout	2,000,000	51%	33%	319,051	39,423	0	574	584	433	467	9,621	9,745	9,870	8,474	9,076	309,630	48,844	2,314	21
	Realignment of Murray Terrace	1,700,000	51%	33%	271,193	33,509	0	488	496	368	397	8,178	8,283	8,389	7,203	7,715	263,185	41,517	2,314	18
	Barry Avenue/ Waenga Drive roundabout	1,500,000	51%	33%	239,288	29,567	0	431	438	324	7,114	7,205	7,297	7,391	6,346	6,797	225,513	43,343	2,314	19
	Development of Link Lane and other lane improvements	1,420,000	51%	39%	271,500	37,888	0	234	238	2,620	5,470	5,540	5,611	5,683	4,879	5,226	273,886	35,502	2,314	15
	Small safety projects (<$100K)	1,000,000	51%	33%	159,526	19,711	561	1,145	1,752	1,738	2,352	2,863	3,389	3,928	3,799	4,527	153,183	26,054	2,314	11
	Barry Avenue/Murray Terrace intersection improvements	400,000	51%	33%	63,810	7,885	0	115	117	87	1,897	1,921	1,946	1,971	1,692	1,813	60,137	11,558	2,314	5
	Alexandra northern access route	400,000	51%	33%	63,810	7,885	0	0	0	0	0	0	0	0	1,708	1,829	68,157	3,537	2,314	2
	Waenga Drive/Murray Terrace intersection improvements	400,000	51%	33%	63,810	7,885	0	115	117	87	1,897	1,921	1,946	1,971	1,692	1,813	60,137	11,558	2,314	5
Pavement																				

ID	Description	Total Cost $	Average of FAR %	% funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	Recover-able growth/ capacity life (HUEs)	Charge per HUE
Reconstruction																				
	Pavement reconstruction (NZTA WC214)	2,400,000	51%	17%	198,343	14,410	1,296	2,653	4,075	4,054	5,501	6,712	7,957	9,238	8,948	10,671	151,648	61,104	2,314	26
Reseals																				
	Sealed road renewals	13,263,000	51%	2%	102,547	5,976	811	1,664	2,561	2,557	3,474	4,243	5,034	5,848	5,671	6,769	69,888	38,635	2,314	17
	District renewals	1,100,000	44%	2%	9,647	562	35	71	258	219	268	426	463	501	569	639	6,761	3,448	2,314	1
Seal Extensions																				
	Maori Point Road seal extension	2,170,000	51%	11%	112,962	8,207	0	761	773	5,883	6,355	6,436	6,519	6,603	5,669	6,072	76,099	45,070	2,314	19
	Seal extensions at intersections	1,000,000	51%	11%	52,056	3,782	340	696	1,069	1,064	1,444	1,762	2,088	2,425	2,348	2,801	39,801	16,037	2,314	7
	Sandflat Road seal extension	410,000	51%	11%	21,343	1,551	0	0	0	0	1,207	1,223	1,238	1,254	1,077	1,153	15,742	7,152	2,314	3
Structure																				
	Structures renewal	5,100,000	51%	28%	709,892	99,066	2,037	4,153	6,353	6,295	8,515	10,364	12,262	14,210	13,741	16,367	714,661	94,297	2,314	41
	Omakau new bridge	2,340,000	51%	42%	477,276	66,604	0	0	0	0	0	0	0	1,501	1,288	9,233	531,858	12,022	2,314	5
Town Centre																				
	Clyde Heritage precinct - Stage 3	1,600,000	51%	33%	261,855	8,782	0	0	33,671	24,944	26,944	27,290	27,640	27,995	24,035	25,745	52,375	218,263	2,314	94
	Clyde Heritage precinct - Stage 2	1,365,000	51%	33%	223,395	7,493	26,483	26,927	27,379	20,283	21,909	22,190	22,475	22,764	19,544	20,934	0	230,888	2,314	100
Traffic Services																				
	Traffic services renewals	2,000,000	51%	8%	74,407	2,496	882	1,815	2,802	2,803	3,820	4,678	5,564	6,482	6,298	7,533	34,225	42,678	2,314	18
	Clyde bridge traffic lights	400,000	51%	8%	14,881	499	1,764	1,794	1,824	1,351	1,459	1,478	1,497	1,516	1,302	1,395	0	15,380	2,314	7
	Speed limit signage	250,000	51%	9%	10,418	607	824	838	852	631	682	691	700	709	608	652	3,838	7,187	2,314	3
Unsealed Road Metaling																				
	Gravel road renewals	16,467,760	51%	3%	205,000	8,652	2,069	4,245	6,561	6,572	8,949	10,947	13,008	15,145	14,711	17,579	113,866	99,786	2,314	43
	Gravel purchases	**1,900,000**	**51%**	**3%**	**23,652**	**998**	**239**	**490**	**757**	**758**	**1,032**	**1,263**	**1,501**	**1,747**	**1,697**	**2,028**	**13,138**	**11,513**	**2,314**	**5**

This table has rounding (± 1)

Schedule 3 – Past Assets

Schedule 3 provides the capital expenditure incurred on assets and programmes attributable to new growth constructed in anticipation of growth, in accordance with section 201A of the LGA02. All figures exclude GST. Due to the large quantity of capital expenditure reported on past assets, a limited number is provided below, with further records available on request.

WATER

ID	Description	Total Cost $	% Funded by DCs	DC funded cosVit $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	Recover-able growth /capacity life (HUEs)	Charge per HUE
Greater Alexandra		**34,479,603**	**11%**	**5,405,465**	**0**	**430,084**	**429,169**	**329,620**	**320,187**	**314,134**	**306,452**	**297,934**	**269,476**	**218,002**	**82,219**	**2,408,187**	**2,997,278**	**805**	**3,724**
	PJ11710-4 - WS LDWS construction / capital works	6,281,795	22%	1,383,331	0	119,566	120,494	96,568	97,092	97,619	98,146	98,675	93,107	76,946	30,156	454,961	928,370	805	1,153
	PJ20110 - LDWS water treatment plant construction	4,962,000	20%	1,012,546	0	93,980	94,710	75,903	76,315	76,729	77,144	77,560	73,183	60,480	23,703	282,839	729,707	805	907
	Greater Alexandra - reticulation	4,370,254	22%	1,033,003	0	62,860	63,348	45,791	43,812	40,131	32,204	28,569	20,561	14,150	5,038	676,539	356,464	805	443
	Greater Alexandra – flow metering	1,782,741	10%	211,112	0	14,463	14,576	11,681	11,730	11,794	11,770	11,824	8,519	6,267	0	108,489	102,623	805	127
	25717675. WatAlex - piped network renewals	1,243,031	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	805	0
	Greater Alexandra - plant and machinery	1,164,307	19%	177,917	0	9,550	5,799	4,073	4,095	4,117	4,140	4,025	1,308	156	0	140,654	37,263	805	46
	Greater Alexandra - demand management	1,125,144	11%	132,802	0	9,468	9,542	7,647	7,689	7,730	7,772	7,814	7,373	6,093	2,388	59,285	73,517	805	91
	Greater Alexandra - Vested Assets	1,058,660	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	805	0
	PJ11710-4 - LDWS construction/capital works	1,035,859	27%	276,789	0	18,873	19,020	15,243	15,326	15,409	15,492	15,576	14,697	12,146	4,760	130,249	146,541	805	182
	Greater Alexandra - storage	943,765	23%	127,664	0	9,038	9,108	7,299	7,339	7,062	6,339	500	553	299	117	80,009	47,655	805	59
	PJ11710-2 - WS LDWS professional services	757,131	10%	76,352	0	16,629	16,758	6,698	1,741	0	0	0	0	0	0	34,527	41,825	805	52
	PJ11710-5 - WS LDWS pump test & filter trial	680,151	22%	152,807	0	12,992	13,093	10,493	10,550	10,608	10,665	10,722	10,117	8,361	3,277	51,927	100,880	805	125
	Greater Alexandra - Water reticulation rnwl	677,741	6%	38,662	0	2,689	2,710	2,172	2,184	2,196	2,208	2,219	2,094	1,731	678	17,781	20,881	805	26
Cromwell		**9,658,872**	**20%**	**3,341,362**	**325,757**	**127,888**	**131,505**	**87,567**	**88,690**	**89,570**	**90,833**	**89,712**	**62,357**	**56,338**	**55,113**	**2,787,546**	**879,573**	**909**	**968**
	Cromwell - reticulation	2,692,980	42%	2,371,549	260,051	75,021	77,406	51,977	52,919	53,855	54,571	54,607	37,812	38,023	37,814	2,097,595	534,005	909	587
	Cromwell - vested assets	1,790,050	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0

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	Cromwell – Flow metering	831,348	19%	220,340	12,811	12,124	12,510	8,400	8,552	8,707	8,865	9,026	6,355	1,250	0	157,362	75,789	909	83
	Pj20115 - WS Cromwell WTP upgrade	700,000	27%	186,200	10,826	15,122	15,603	10,477	10,667	10,860	11,057	11,258	7,926	8,034	8,144	87,879	109,147	909	120
	Cromwell - plant and machinery	526,867	25%	87,465	5,085	4,785	4,937	2,686	2,735	2,081	2,018	240	0	0	0	73,067	19,483	909	21
	Cromwell - piped network renewals	485,207	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0
	Cromwell - water investigations	284,110	7%	26,260	231	0	0	0	0	0	0	0	0	0	0	26,491	0	909	0
	Cromwell - non pipe renewals	266,800	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0
	Cromwell - storage	216,979	71%	115,256	10,324	4,716	4,866	3,251	3,310	3,370	3,431	3,493	2,459	1,118	1,133	94,433	31,148	909	34
	Pj18317-3 - WS Cromwell network upgrades RC 160069	185,340	47%	86,399	9,649	3,152	3,252	2,184	2,223	2,264	2,305	2,346	1,652	1,675	1,697	73,299	22,750	909	25
	Cromwell - water fixture renewals	173,274	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0
	Pj18320 - WS Cromwell backflow prevention	168,232	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0
	Cromwell - Water reticulation extension	151,974	53%	81,345	4,830	4,951	5,109	3,431	3,493	3,556	3,621	3,686	2,595	2,631	2,667	50,436	35,739	909	39
	Cromwell - piped N/W renewals	120,904	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909	0
	Cromwell - backflow prevention	93,947	4%	669	39	45	46	31	32	32	33	34	24	24	24	383	325	909	0
	PJ18317 - WS Cromwell network upgrades with developments	81,488	47%	37,494	4,187	1,378	1,422	955	972	990	1,008	1,026	722	732	742	31,733	9,948	909	11
	Cromwell - instrumentation	78,526	19%	14,535	390	0	0	0	0	0	0	0	0	0	0	14,925	0	909	0
	Cromwell - telemetry	69,739	7%	7,859	211	567	135	0	0	0	0	0	0	0	0	7,368	702	909	1
	Cromwell - demand management	68,470	22%	15,315	890	944	974	654	666	678	690	703	495	502	508	9,392	6,813	909	7
	Cromwell - valves and hydrants	66,832	6%	32	2	2	2	1	1	1	1	1	1	1	1	20	14	909	0
Naseby		**2,069,002**	**4%**	**81,389**	**0**	**7,088**	**7,136**	**2,533**	**2,446**	**2,373**	**2,316**	**2,287**	**1,094**	**1,061**	**998**	**52,056**	**29,333**	**9**	**3,223**
	PJ17163 - WS Naseby WTP upgrade	588,117	4%	25,551	0	3,269	3,291	1,168	1,173	1,179	1,184	1,189	620	623	627	11,228	14,323	9	1,574

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	Naseby - machinery and plant	393,627	5%	20,019	0	1,909	1,922	682	685	688	691	694	362	364	366	11,654	8,365	9	919
	Naseby - storage	166,791	6%	8,404	0	472	476	169	122	123	71	71	0	0	0	6,900	1,504	9	165
	Naseby - reticulation	159,784	8%	11,663	0	702	707	251	216	133	133	123	11	8	0	9,380	2,283	9	251
	Naseby – flow metering	150,918	7%	9,020	0	545	549	195	196	197	198	198	97	61	0	6,784	2,236	9	246
	Naseby - tank replacement progamme	113,892	4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - piped network renewals	82,400	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - water reticulation rnwl	67,062	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - non pipe renewals	63,858	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - piped network renewals	60,880	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	PJ11413-8 - WS Naseby piped network renewals	50,671	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - treatment	48,379	9%	2,803	0	4	4	1	1	1	1	1	1	0	0	2,789	15	9	2
	Naseby - instrumentation	24,728	9%	2,469	0	146	147	52	44	44	29	0	0	0	0	2,007	462	9	51
	Naseby - water investigations	19,580	1%	276	0	0	0	0	0	0	0	0	0	0	0	276	0	9	0
	Naseby - Capital expenditure machinery and plant	17,084	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - management	15,475	3%	485	0	0	0	0	0	0	0	0	0	0	0	485	0	9	0
	Naseby - demand management	12,015	3%	376	0	26	26	9	9	9	9	9	5	5	5	264	112	9	12
	Naseby - elect control and instr renewals	11,064	1%	35	0	3	3	1	0	0	0	0	0	0	0	28	7	9	1
	Naseby – mech and process plant renewals	8,785	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - plant and machinery	4,316	6%	241	0	10	10	4	0	0	0	0	0	0	0	216	24	9	3
	PJ17163 - WS Naseby WTP Upgrade	588,117	4%	25,551	0	3,269	3,291	1,168	1,173	1,179	1,184	1,189	620	623	627	11,228	14,323	9	1,574
	Naseby - machinery and plant	393,627	5%	20,019	0	1,909	1,922	682	685	688	691	694	362	364	366	11,654	8,365	9	919

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Omakau		**3,201,999**	**11%**	**574,990**	**0**	**21,698**	**18,560**	**26,190**	**26,466**	**26,692**	**26,978**	**27,002**	**26,359**	**25,728**	**25,719**	**323,598**	**251,392**	**27**	**9,337**
	Omakau - Machinery and plant	1,036,870	11%	219,858	0	7,995	8,062	11,399	11,521	11,645	11,770	11,896	11,815	11,939	12,065	109,750	110,108	27	4,090
	PJ17164 - WS Omakau WTP upgrade	583,047	17%	100,099	0	3,396	3,424	4,841	4,893	4,946	4,999	5,053	5,018	5,071	5,124	53,334	46,765	27	1,737
	Omakau - Water reticulation reservoir	342,594	22%	73,007	0	2,655	2,678	3,786	3,822	3,863	3,905	3,947	3,920	3,961	4,003	36,467	36,540	27	1,357
	Omakau - Water reticulation extension	176,096	21%	37,566	0	1,366	1,378	1,948	1,969	1,990	2,012	2,033	2,019	2,041	2,062	18,747	18,819	27	699
	PJ11471 - Water improvements	165,738	10%	16,838	0	3,292	0	0	0	0	0	0	0	0	0	13,545	3,292	27	122
	Omakau - Reticulation	148,273	31%	52,960	0	701	707	999	1,010	1,021	1,032	926	810	818	827	44,110	8,849	27	329
	Omakau - Water improvements	135,485	16%	26,496	0	884	892	1,261	1,274	1,288	1,302	1,316	1,307	1,320	1,334	14,319	12,177	27	452
	Omakau - Storage	118,259	32%	18,210	0	540	544	770	778	786	795	798	720	34	29	12,415	5,795	27	215
	Omakau – Flow metering	102,985	11%	14,127	0	441	444	628	635	642	649	656	482	272	0	9,278	4,848	27	180
	Omakau - Water fixture renewals	100,980	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
	Omakau - Instrumentation	42,155	10%	3,493	0	108	109	154	155	157	159	18	0	0	0	2,634	860	27	32
	Omakau - Water investigations	38,418	2%	820	0	0	0	0	0	0	0	0	0	0	0	820	0	27	0
	Omakau - Piped network renewals	31,315	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
	Omakau - Management	24,974	6%	1,560	0	0	0	0	0	0	0	0	0	0	0	1,560	0	27	0
	Omakau - Plant and machinery	22,478	10%	3,063	0	97	98	86	87	88	89	90	0	0	0	2,426	637	27	24
	PJ11471 - WS Omakau Improvements	21,896	17%	3,641	0	130	131	185	187	189	191	193	192	194	196	1,852	1,790	27	66
	Omakau - Mechanical and process plant renewals	18,921	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
	Omakau - Demand Management	16,428	7%	1,522	0	46	46	65	66	66	67	68	67	68	69	895	627	27	23
	Omakau - Piped Network Renewals	14,037	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
	Omakau - Intake	11,397	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0

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	Omakau - Machinery and plant	1,036,870	11%	219,858	0	7,995	8,062	11,399	11,521	11,645	11,770	11,896	11,815	11,939	12,065	109,750	110,108	27	4,090
	PJ17164 - WS Omakau WTP upgrade	583,047	17%	100,099	0	3,396	3,424	4,841	4,893	4,946	4,999	5,053	5,018	5,071	5,124	53,334	46,765	27	1,737
Patearoa		**1,002,365**	**1%**	**10,649**	**0**	**1,210**	**1,213**	**312**	**441**	**439**	**440**	**429**	**152**	**152**	**152**	**5,710**	**4,939**	**2**	**2,232**
	PJ19061 - WS Patearoa WTP Upgrade	300,284	3%	7,247	0	1,475	1,485	382	383	383	384	385	147	147	147	1,931	5,316	2	2,402
	Patearoa - Pump Station and Storage Renewals	116,679	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Patearoa - Reticulation	84,367	1%	461	0	27	27	7	7	7	7	0	0	0	0	379	82	2	37
	Patearoa - Storage	80,938	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Patearoa - Piped network renewals	48,225	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Patearoa - Water refurbish restric	41,449	2%	724	0	-456	-459	-118	0	0	0	0	0	0	0	1,757	-1,032	2	-467
	Patearoa - Water reticulation reservoir	38,897	0%	255	0	17	17	4	4	4	4	4	2	2	2	193	62	2	28
	Patearoa - Water reticulation rnwl	36,445	1%	248	0	17	17	4	4	4	4	4	2	2	2	188	60	2	27
	Patearoa - Water reticulation reservoir	31,223	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Patearoa - Telemetry	27,729	0%	78	0	5	0	0	0	0	0	0	0	0	0	73	5	2	2
	Patearoa - Plant and machinery	27,089	1%	356	0	-23	-23	-6	4	4	4	0	0	0	0	395	-39	2	-18
	PJ18790 - WS Patearoa reservoir outlet analysers	24,394	3%	753	0	120	121	31	31	31	31	31	0	0	0	356	397	2	180
	Patearoa - Intake upgrade	22,778	1%	155	0	10	11	3	3	3	3	3	1	1	1	117	38	2	17
	Patearoa - Reservoir renewals	19,555	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Patearoa - instrumentation	14,244	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Patearoa - Pipes intake shed	11,969	2%	215	0	12	12	3	3	0	0	0	0	0	0	184	30	2	14
	Patearoa - Elect control and Instr Rnwls	10,411	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Patearoa - water investigations	9,794	0%	29	0	0	0	0	0	0	0	0	0	0	0	29	0	2	0

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	Patearoa - water investigation	9,165	1%	60	0	0	0	0	0	0	0	0	0	0	0	60	0	2	0
	Patearoa - non pipe renewals	9,002	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Pj19061 - WS Patearoa wtp upgrade	300,284	3%	7,247	0	1,475	1,485	382	383	383	384	385	147	147	147	1,931	5,316	2	2,402
	Patearoa - pump station & storage renewals	116,679	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Ranfurly		**2,337,308**	**6%**	**102,510**	**0**	**8,973**	**8,960**	**2,205**	**2,173**	**2,180**	**2,173**	**2,120**	**1,003**	**932**	**761**	**71,030**	**31,480**	**15**	**2,090**
	PJ19062 - WS Ranfurly WTP upgrade	602,181	4%	20,950	0	3,859	3,890	957	961	964	968	971	509	511	514	6,847	14,104	15	936
	Ranfurly – flow metering	345,798	12%	37,278	0	2,190	2,208	543	545	547	549	551	207	151	0	29,787	7,490	15	497
	Ranfurly - Water reticulation rnwl	217,907	4%	3,620	0	220	222	55	55	55	55	55	29	29	29	2,815	805	15	53
	Ranfurly - piped network renewals	184,083	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Ranfurly - Water reticulation extn	131,443	7%	9,423	0	682	688	169	170	170	171	172	90	90	91	6,931	2,493	15	166
	Ranfurly - Reticulation renewal	102,764	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Ranfurly - demand management	97,795	7%	7,162	0	422	426	105	105	105	106	106	56	56	56	5,619	1,543	15	102
	Ranfurly - Water investigations	77,174	1%	483	0	0	0	0	0	0	0	0	0	0	0	483	0	15	0
	Ranfurly - Reticulation	71,744	13%	8,796	0	508	512	126	119	120	120	86	35	19	0	7,152	1,645	15	109
	Ranfurly - Pipe replacement 2015/16	66,618	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Ranfurly - Mechanical and process plant renewals	57,595	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Ranfurly - Non pipe Renewals	51,608	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Ranfurly - Telemetry	51,467	4%	2,223	0	146	60	15	15	15	0	0	0	0	0	1,972	250	15	17
	Ranfurly - Mech and Process Plnt Rnwls	36,162	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Ranfurly - Cap exp Machinery and plant	34,578	5%	447	0	26	27	7	7	7	7	7	3	4	4	350	97	15	6
	Ranfurly - Pump Station and Storage Renewals	33,521	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0

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	PJ11413-7 - WS Ranfurly Piped Network Renewals	18,771	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	PJ18791 - WS Ranf WTP Raw Water Analysers	18,210	4%	731	0	118	119	29	29	29	29	30	0	0	0	347	383	15	25
	Ranfurly - Plant and Machinery	16,806	17%	2,935	0	132	133	33	0	0	0	0	0	0	0	2,637	298	15	20
	Ranfurly - Water fixture renewals	16,467	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
Roxburgh		**4,094,205**	**3%**	**59,063**	**0**	**-3,505**	**-3,426**	**3,171**	**3,179**	**2,648**	**2,509**	**2,154**	**1,140**	**998**	**800**	**49,395**	**9,669**	**4**	**2,247**
	Roxburgh - Water investigations	614,776	0%	702	0	0	0	0	0	0	0	0	0	0	0	702	0	4	0
	Roxburgh - Treatment	516,054	6%	10,034	0	-363	-357	330	332	334	336	338	205	206	134	8,538	1,496	4	348
	PJ11413-9 - WS Roxburgh Piped Network Renewals	319,745	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Water Fixture Renewals	305,776	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Reticulation Renewal	280,142	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Demand Management	275,857	2%	3,447	0	-245	-241	223	224	225	227	228	138	139	140	2,389	1,057	4	246
	Roxburgh - Tobies	180,501	6%	8,514	0	-505	-496	459	450	216	211	121	0	0	0	8,056	458	4	106
	Roxburgh - Water Reticulation Reservoir	172,943	5%	5,332	0	-510	-501	464	466	237	238	239	145	146	147	4,262	1,070	4	249
	Roxburgh – Flow metering	152,154	6%	8,238	0	-363	-356	330	332	334	336	338	179	92	0	7,017	1,221	4	284
	Roxburgh - Piped Net/Wrk Renewals	140,655	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Reticulation	127,248	4%	4,445	0	-201	-197	182	183	185	186	162	98	39	0	3,809	637	4	148
	Roxburgh - Machinery and plant	98,363	2%	2,421	0	-217	-213	197	198	200	201	202	122	123	124	1,485	937	4	218
	Roxburgh - Pump Station and Storage Renewals	84,801	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	PJ11419-9 - WS Roxburgh Fixture Renewals	82,992	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	PJ17153 - Districtwide Demand Management Water	80,797	2%	1,797	0	-269	-264	244	246	247	249	250	151	152	153	637	1,160	4	270

ID	Description	Total Cost $	% Funded by DCs	DC funded cosVit $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	Recover-able growth /capacity life (HUEs)	Charge per HUE
	Roxburgh - Piped network renewals	74,956	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Plant and Machinery	57,696	4%	3,134	0	-187	-184	170	171	91	92	93	0	0	0	2,888	247	4	57
	Roxburgh - Instrumentation	57,316	8%	5,196	0	-293	-287	266	268	269	252	0	0	0	0	4,721	475	4	110
	Roxburgh - Mech & Process Plant Rnwl	48,605	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Water reticulation rnwl	46,570	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Water Investigations	614,776	0%	702	0	0	0	0	0	0	0	0	0	0	0	702	0	4	0
District Wide		**2,682,700**	**0%**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**1,272**	**0**
	PJ17156 - WS Districtwide Piped Network Renewals	1,000,285	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ17158 - Districtwide Reservoir Renewals Water	414,344	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ18294 - WS Piped Network Fixture Renewals	281,229	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ18292 - WS Mechanical / Process Plant Renewals	268,443	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ17160 - Districtwide Water Fixture Renewals	207,172	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ18295 - WS Pump Station Renewals	152,306	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ18291 - WS Electrical Control/Instrumentation Renewals	114,385	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ17156 - Districtwide Piped Network Renewals	93,227	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	District Wide - Demand Management	56,946	0%	5	0	0	0	0	0	0	0	0	0	0	0	3	2	1,272	
	PJ18296 - WS Reservoir Renewals	50,893	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ17162 - Mechanical and Process Plant Renewals Water	31,076	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ18290 - WS Buildings/Land Addition Renewals	10,433	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,272	
	PJ19145 - Water Supply Renewals - Consents	**1,962**	**0%**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,272**	

This table has rounding (± 1)

Wastewater

ID	Description	Total Cost $	% Funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
Greater Alexandra		**21,176,131**	**12%**	**2,358,360**	**0**	**161,450**	**162,867**	**91,091**	**91,489**	**90,458**	**90,155**	**89,214**	**70,177**	**69,979**	**69,372**	**1,372,109**	**986,251**	**301**	**3,272**
	PJ18350 - WW Clyde Wastewater Implementation	3,007,544	12%	339,413	0	30,032	30,377	17,165	17,280	17,397	17,514	17,632	14,448	14,524	14,601	148,443	190,970	301	634
	PJ18350-2 - WW Clyde to Alexandra Pipeline Construction	2,998,370	12%	355,211	0	30,058	30,404	17,180	17,295	17,412	17,529	17,647	14,460	14,537	14,614	164,074	191,136	301	634
	Reticulation - Alexandra	2,265,665	29%	360,818	0	15,439	15,617	8,028	7,884	6,387	5,599	5,443	2,133	2,144	2,155	289,989	70,830	301	235
	Alexandra - Treatment Plant Upgrade	1,760,748	12%	214,670	0	11,464	11,596	6,552	6,596	6,641	6,686	6,731	5,515	5,544	5,574	141,770	72,900	301	242
	PJ18344 - WW Alex WWTP Upgrades	1,500,003	12%	182,292	0	15,069	15,242	8,613	8,671	8,729	8,788	8,847	7,249	7,288	7,326	86,469	95,823	301	318
	WW Piped Network Fixture Renewals	1,464,471	7%	118,624	0	7,494	7,580	4,283	4,312	4,341	4,370	4,400	3,605	3,624	3,643	70,974	47,650	301	158
	25517671. WWAlex - Piped network renewals	662,950	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301	0
	WW Buildings/Land Addition Renewals	513,340	7%	51,104	0	2,807	2,839	1,604	1,615	1,626	1,637	1,648	1,350	1,357	1,364	33,258	17,846	301	59
	Alexandra - Reticulation Renewal	504,405	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301	0
	PJ18350-1 - WW Clyde Detailed Design of Pipeline and Pump Station	478,685	12%	57,354	0	4,803	4,858	2,745	2,764	2,782	2,801	2,820	2,311	2,323	2,335	26,811	30,543	301	101
	WW Pump Station / Storage Renewals	455,150	4%	660	0	42	42	24	24	24	24	25	20	20	20	394	266	301	1
Cromwell		**18,581,582**	**23%**	**6,151,294**	**294,318**	**275,214**	**284,051**	**188,971**	**191,947**	**194,991**	**196,330**	**197,219**	**139,163**	**135,886**	**134,154**	**4,213,369**	**1,937,925**	**928**	**2,089**
	355277626. WWCrom – CWW Physical Wks	6,215,157	29%	1,789,893	86,747	91,826	94,775	63,208	64,356	65,524	66,713	67,924	48,078	48,740	49,413	1,129,336	660,557	928	712
	Reticulation - Cromwell	2,565,375	45%	2,111,969	122,431	78,266	80,779	53,855	54,832	55,613	56,618	56,713	40,048	39,941	40,139	1,555,165	556,804	928	600
	Treatment - Cromwell	1,172,969	22%	272,787	8,952	13,390	13,820	9,217	9,384	9,555	8,605	8,761	6,201	2,315	0	191,539	81,249	928	88
	WWCrom - Process Tmt Bannockburn	1,053,399	28%	291,357	15,733	12,750	13,160	8,777	8,936	9,098	9,263	9,432	6,676	6,768	6,861	199,636	91,721	928	99
	WWCrm - Vested assets	741,351	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	928	0
	WW Pump Station / Storage Renewals	536,747	18%	296,884	17,247	11,568	11,940	7,963	8,108	8,255	8,405	8,557	6,057	6,140	6,225	213,666	83,219	928	90
	PJ11740-4 - WW Bannockburn PS	446,727	29%	130,030	4,492	9,764	10,077	6,721	6,843	6,967	7,093	7,222	5,112	5,182	5,254	59,795	70,235	928	76

ID	Description	Total Cost $	% Funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
	Construction																		
	WWCrom - Sludge	430,774	28%	119,147	624	0	0	0	0	0	0	0	0	0	0	119,147	0	928	0
	PJ11760-6 - WW Crom WWTP Plant Operation After Commissioning SP3	429,604	29%	122,644	4,237	9,337	9,637	6,427	6,544	6,663	6,784	6,907	4,889	4,956	5,025	55,476	67,168	928	72
	Pump Stn Upgrade	385,266	23%	90,467	3,125	5,015	5,176	3,452	3,515	3,578	3,643	3,709	2,626	2,662	2,699	54,393	36,074	928	39
	WWCrom - Vested assets	322,362	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	928	0
	Cromwell - Land based Tmnt Upgrade	296,550	23%	69,635	2,406	3,860	3,984	2,657	2,705	2,754	2,804	2,855	2,021	2,049	2,077	41,868	27,767	928	30
	WW Mechanical / Process Plant Renewals	277,742	23%	51,021	1,314	2,003	2,067	1,379	1,404	1,429	1,455	1,482	1,049	1,063	1,078	36,612	14,409	928	16
	WWCrom - CWW Physical Wks	264,425	28%	73,137	3,949	3,201	3,303	2,203	2,243	2,284	2,325	2,368	1,676	1,699	1,722	50,113	23,024	928	25
	Plant and Machinery - Cromwell	262,428	26%	67,134	2,319	3,716	3,836	2,106	2,144	2,183	2,222	1,920	1,271	797	0	46,939	20,194	928	22
	PJ11760-5 - WW Crom WWTP Construction / Capital Works SP2	237,948	29%	68,144	2,354	5,176	5,343	3,563	3,628	3,694	3,761	3,829	2,710	2,748	2,785	30,908	37,236	928	40
Naseby		**1,095,583**	**5%**	**41,483**	**0**	**5,041**	**5,075**	**2,044**	**2,053**	**2,062**	**2,071**	**2,080**	**1,095**	**1,101**	**1,107**	**17,754**	**23,729**	**9**	**2,612**
	PJ18793 - WW Naseby WWTP Upgrades	867,357	4%	36,167	0	4,884	4,917	1,737	1,745	1,753	1,760	1,768	931	937	942	14,794	21,373	9	2,352
	PJ20111 - WW Naseby WWTP Fencing	120,000	4%	4,393	0	675	680	240	241	242	243	245	129	129	130	1,437	2,955	9	325
	Reticulation - Naseby	31,391	33%	1,995	0	79	79	28	28	28	28	28	15	15	15	1,651	344	9	38
	WWNas - Naseby Consent renewal	26,185	2%	604	0	45	46	16	16	16	16	16	9	9	9	406	198	9	22
	WWNase - Piped network renewals	24,472	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	WW Renewal Project Management	23,501	1%	672	0	0	0	0	0	0	0	0	0	0	0	672	0	9	0
	Naseby - Condition Assessments	23,052	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - Resource Consents	21,065	3%	737	0	43	44	15	16	16	16	16	8	8	8	547	190	9	21

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	WWNas - Mech & Process Plnt Rnwls	16,293	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	WWNase - Mechanical & process plant renewals	14,191	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
	Naseby - Reticulation Renewal	9,896	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	WWNas - CCTV Inspections	7,886	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - CCTV Inspections	7,061	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - Treatment Plant Minor Improvement	5,989	3%	179	0	11	11	4	4	4	4	4	2	2	2	130	49	9	5
	Naseby - Minor Renewals	5,695	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
	Naseby - Modelling	5,695	2%	87	0	0	0	0	0	0	0	0	0	0	0	87	0	9	0
	Naseby - Telemetry	3,604	1%	41	0	2	2	1	1	1	1	1	0	0	0	30	10	9	1
	Instrumentation - Naseby	1,840	5%	92	0	6	6	2	2	2	2	2	1	1	0	69	23	9	3
Omakau		**987,218**	**5%**	**106,582**	**11,077**	**4,112**	**4,146**	**5,382**	**5,439**	**5,497**	**5,554**	**5,523**	**5,494**	**5,547**	**5,599**	**54,290**	**52,292**	**20**	**2,661**
	PJ18357 - WW Omakau WWTP Upgrades	538,743	17%	90,803	9,546	3,573	3,603	4,986	5,039	5,092	5,146	5,200	5,173	5,227	5,281	42,483	48,320	20	2,459
	WWOm - Piped N/Wrk Renewals	120,046	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	WWOmak - Piped network renewals	66,448	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	Plant and Machinery - Omakau	38,849	18%	6,832	718	255	257	0	0	0	0	0	0	0	0	6,320	512	20	26
	WWOmak - Resource Consents	31,907	9%	2,715	285	107	108	149	150	152	154	155	154	156	158	1,273	1,442	20	73
	PJ11302-5 - WW Omakau Electrical Controls	25,989	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	Reticulation - Omakau	23,669	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	PJ18792 - WW Omak Diffuse Discharge Consent	22,226	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	Instrumentation - Omakau	16,807	11%	1,898	200	69	69	96	97	98	99	9	9	6	0	1,347	551	20	28

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	WWOmak - Land based treatment upgrade	16,198	9%	1,383	145	54	55	76	77	77	78	79	79	79	80	649	735	20	37
	WWOm - Future Development	14,908	9%	1,271	20	0	0	0	0	0	0	0	0	0	0	1,271	0	20	0
	Omakau - CCTV Inspections	13,882	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	PJ11306-5 - WW Omakau Machinery & Plant Renewals	10,469	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	WW Renewal Project Management	9,857	9%	840	88	30	31	42	43	43	44	44	44	44	45	430	411	20	21
	WW Mechanical / Process Plant Renewals	7,152	4%	109	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Omakau - Treatment Plant Minor Improvement	6,235	9%	540	57	19	19	26	27	27	27	27	27	28	28	286	254	20	13
Ranfurly		**989,915**	**3%**	**20,621**	**0**	**988**	**996**	**246**	**244**	**208**	**199**	**200**	**80**	**79**	**56**	**17,325**	**3,296**	**15**	**224**
	Ranfurly - Reticulation Renewal	151,476	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Machinery and Plant - Ranfurly	124,189	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	PJ11306-7 - WW Ranfurly Machinery & Plant Renewals	103,790	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	PJ20112 - WW Ranfurly WWTP Fencing	85,000	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Ranfurly - Treatment Plant Upgrade	69,552	5%	3,664	0	217	219	54	54	55	55	55	29	29	29	2,867	797	15	54
	PJ11309-7 - WW Ranfurly Reticulation Renewals	66,462	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Non-Pipe Renewals - Ranfurly	47,508	6%	3,339	0	196	198	49	49	49	49	50	0	0	0	2,699	640	15	44
	Reticulation - Ranfurly	46,642	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Treatment - Ranfurly	38,158	12%	3,060	0	177	178	44	41	41	42	42	22	22	0	2,451	609	15	41
	Emergency Conveyance - Ranfurly	36,155	11%	3,769	0	0	0	0	0	0	0	0	0	0	0	3,769	0	15	0
	Plant and Machinery - Ranfurly	30,095	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	WW Renewal Project Management	26,091	2%	807	0	54	55	13	14	14	14	14	7	7	7	609	198	15	13
	Ranfurly - Condition Assessments	22,710	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0

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	PJ19127 - Wastewater Improvements Ranfurly - Trailer	16,100	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Caravan Dump Point	15,312	16%	2,447	0	146	148	36	37	0	0	0	0	0	0	2,080	367	15	25
	WWRan - CCTV Inspections	14,723	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	WWRanf - Land based treatment upgrade	12,202	9%	1,042	0	82	3	20	20	21	21	21	11	11	11	742	300	15	20
Roxburgh		**1,322,294**	**5%**	**41,732**	**0**	**-1,692**	**-1,662**	**1,407**	**1,416**	**1,228**	**1,112**	**1,016**	**567**	**423**	**381**	**37,538**	**4,194**	**4**	**1,111**
	Land based Tmnt Up	301,720	2%	7,505	0	-310	-304	258	259	261	262	264	159	160	161	6,335	1,170	4	310
	Treatment - Roxburgh	165,950	6%	9,772	0	-265	-260	220	221	223	224	226	136	41	0	9,006	766	4	203
	Reticulation - Roxburgh	119,518	18%	12,029	0	-575	-565	478	481	448	427	327	152	154	155	10,546	1,483	4	393
	PJ20113 - WW Roxburgh WWTP Fencing	90,000	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Pump Station - Roxburgh	70,352	2%	2,257	0	-192	-188	160	161	0	0	0	0	0	0	2,317	-60	4	-16
	Emergency Conveyance - Roxburgh	64,215	8%	4,954	0	-8	-8	7	7	7	0	0	0	0	0	4,949	4	4	1
	PJ18800 - WW Roxburgh Network Fixture Improvements	59,566	1%	361	0	-112	-110	93	93	94	95	95	57	58	58	-61	422	4	112
	W Water - Piped Network Renewal	56,563	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	PJ11302-9 - WW Roxburgh Electrical Controls	50,917	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	PJ11307-9 - WW Roxburgh Manhole Renewals	43,278	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Plant and Machinery - Roxburgh	41,647	4%	2,047	0	-100	-98	83	84	84	85	85	51	0	0	1,773	274	4	73
	RoxSewOps - Pump station and Storage Renewals	38,110	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Reticulation Renewal	36,531	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	WW Renewal Project Management	32,379	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Roxburgh - Non-Pipe Renewals	28,198	1%	291	0	-12	-12	10	10	10	10	10	6	6	6	246	45	4	12

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	WWRoxb - Electrical control and instrumentation renewals	23,147	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
District Wide		**2,759,805**	**0%**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,276**	**0**
	PJ17150 - WW Districtwide Reticulation Renewals	1,688,575	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
	PJ18298 - WW Electrical Control/Instrumentation Renewals	364,924	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
	PJ18302 - WW Pump Station / Storage Renewals	301,381	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
	PJ18299 - WW Mechanical / Process Plant Renewals	136,937	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
	PJ17147 - WW Districtwide Reline Sewer Pipes	116,189	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
	PJ17145 - WW Mechanical and Process Plant Renewals	87,177	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
	PJ18301 - WW Piped Network Fixture Renewals	44,594	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0
	PJ17148 - WW Districtwide Resource Consent Renewal	20,028	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,276	0

TRANSPORT

ID	Description	Total Cost $	Average of FAR %	% funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
Asset Management		**141,440**	**0%**	**23%**	**16,824**	**1,222**	**999**	**1,016**	**1,033**	**765**	**499**	**139**	**0**	**0**	**0**	**0**	**13,594**	**4,452**	**2,314**	**2**
	Road Const. Prof	130,184	0%	23%	14,187	1,031	844	858	872	646	370	8	0	0	0	0	11,620	3,598	2,314	2
	PolyRds - Land	11,257	0%	23%	2,637	192	156	158	161	119	129	131	0	0	0	0	1,974	854	2,314	0
Car Parking		**217,251**	**0%**	**6%**	**18,418**	**1,534**	**636**	**646**	**657**	**487**	**526**	**533**	**540**	**547**	**469**	**503**	**14,409**	**5,543**	**2,314**	**2**
	Carpark Renewals	74,582	0%	18%	13,159	1,341	584	594	604	447	483	489	496	502	431	462	9,407	5,093	2,314	2
	Unsubsidised Roading Alexandra	58,943	**0%**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0%**	2,314	0
	CrmCarP - Carpark Renewals	40,750	0%	11%	4,580	154	0	0	0	0	0	0	0	0	0	0	4,734	0	2,314	0
	Maniototo Carpark Renewals	25,876	0%	2%	408	24	31	31	32	24	26	26	26	27	23	24	162	270	2,314	0
	Cromwell Carparks New	17,100	0%	2%	270	16	21	21	21	16	17	17	18	18	15	16	105	180	2,314	0
Drainage		**7,058,644**	**6%**	**4%**	**135,367**	**15,874**	**6,921**	**6,862**	**6,732**	**4,987**	**5,387**	**5,456**	**5,526**	**5,597**	**4,805**	**5,147**	**93,822**	**57,419**	**2,314**	**25**
	Drainage	1,999,805	0%	4%	40,292	4,979	1,370	1,393	1,416	1,049	1,133	1,148	1,163	1,178	1,011	1,083	33,326	11,944	2,314	5
	Drainage Renewals	1,628,590	0%	4%	29,561	2,778	1,081	924	695	515	556	563	570	578	496	531	25,829	6,510	2,314	3
	Renewal of Local Roads	1,460,135	0%	3%	24,669	3,048	822	836	850	630	680	689	698	707	607	650	20,551	7,166	2,314	3
	Drainage Renewals Roading	1,159,948	51%	3%	18,362	2,269	638	649	660	489	528	535	542	549	471	505	15,065	5,566	2,314	2
	Kerb and Channel Con	443,426	0%	3%	15,289	1,889	2,228	2,266	2,304	1,707	1,843	1,867	1,891	1,915	1,644	1,761	-2,248	19,426	2,314	8
	Major Drainage Control	115,663	0%	3%	1,874	232	346	351	357	265	286	290	293	297	255	273	-907	3,013	2,314	1
	Naseby township drainage upgrades	90,000	51%	3%	1,425	199	41	41	42	31	34	34	35	35	30	32	1,269	354	2,314	0
	Drainage Facility Renewals	81,868	0%	3%	1,383	171	46	47	48	35	38	39	39	40	34	36	1,152	402	2,314	0
	Kerb and Channel Construction	47,385	0%	3%	1,634	202	319	324	330	244	264	267	271	274	235	252	-946	2,782	2,314	1
	Maniototo K & C	19,315	0%	3%	666	82	22	23	23	17	18	19	19	19	16	18	555	193	2,314	0

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	Drainage New Capex	12,509	0%	3%	211	26	7	7	7	5	6	6	6	6	5	6	176	61	2,314	0
Footpaths		**7,414,221**	**4%**	**23%**	**1,294,961**	**109,022**	**35,631**	**46,723**	**47,507**	**44,321**	**43,487**	**39,260**	**35,127**	**31,163**	**26,754**	**28,477**	**1,025,532**	**378,451**	**2,314**	**164**
	Footpaths and Pedestrians	4,497,553	0%	23%	868,806	78,380	15,377	26,229	26,669	25,923	23,613	19,273	15,289	11,408	9,794	10,491	763,122	184,065	2,314	80
	District Wide Footpath Renewals	770,755	0%	2%	12,162	709	941	957	973	720	778	788	798	809	694	744	4,669	8,202	2,314	4
	Bannockburn bridge cycle facility	677,534	51%	33%	110,885	8,056	7,088	7,206	7,327	5,428	5,864	5,939	6,015	6,092	5,230	5,603	57,149	61,792	2,314	27
	Unsubsidised Roading Alexandra	369,198	0%	23%	87,118	6,329	5,172	5,258	5,347	3,961	4,278	4,333	4,389	4,445	3,816	4,088	48,360	45,088	2,314	19
	Unsubsidised Roading Cromwell	277,520	0%	24%	68,246	4,958	4,045	4,112	4,181	3,098	3,346	3,389	3,433	3,477	2,985	3,197	37,942	35,262	2,314	15
	37537698. CrmPths - Footpaths & pedestrians	215,340	0%	19%	20,211	1,468	1,265	1,286	1,308	969	1,046	1,060	1,073	1,087	933	1,000	10,651	11,028	2,314	5
	New Footpaths	111,782	51%	31%	16,854	1,225	1,082	1,100	1,119	829	895	907	918	930	799	855	8,645	9,434	2,314	4
	Unsubsidised Roading Maniototo	95,023	0%	22%	21,245	1,543	1,265	1,286	1,307	969	1,046	1,060	1,073	1,087	933	1,000	11,763	11,026	2,314	5
	Landscaping	92,206	0%	26%	24,293	1,765	-2,571	-2,614	-2,658	0	0	0	0	0	0	0	33,902	-7,844	2,314	-3
	Omakau - Ophir Cycle Path	91,140	51%	33%	14,916	1,084	948	964	980	726	784	794	805	815	700	749	7,735	8,265	2,314	4
	Roxburgh streetscape improvements	90,000	51%	4%	1,966	66	228	232	236	175	189	191	194	196	168	0	224	1,808	2,314	1
	Unsubsidised Roading Roxburgh	59,431	0%	22%	13,287	965	792	805	819	607	655	664	672	681	585	626	7,346	6,906	2,314	3
	Unsubsidised Roading Earnscleugh	56,890	0%	24%	13,693	995	813	826	840	622	672	681	690	698	600	642	7,604	7,084	2,314	3
	47537698. Naseby Clyde - Footpaths and pedestrians	52,841	0%	19%	4,959	360	310	316	321	238	257	260	263	267	229	245	2,614	2,706	2,314	1
	Lighting	46,441	0%	26%	12,236	889	-1,295	-1,317	-1,339	0	0	0	0	0	0	0	17,075	-3,951	2,314	-2
	Unsub Roading	42,102	0%	26%	11,092	806	656	667	678	502	543	408	8	0	0	0	8,436	3,462	2,314	1
	Pedestrian Footbridges	24,826	0%	26%	6,541	475	385	391	398	295	318	323	327	0	0	0	4,579	2,437	2,314	1
	Unsubsidised Work	20,800	0%	4%	827	28	0	0	0	0	0	0	0	0	0	0	854	0	2,314	0
	47527698. Naseby Omakau - Footpaths & pedestrian	14,916	0%	19%	1,400	102	88	89	91	67	72	73	74	75	65	69	738	764	2,314	0

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	Unsubsidised Roading Manuherikia	10,801	0%	24%	2,742	199	162	165	168	124	134	136	138	139	120	128	1,527	1,414	2,314	1
	Footpaths and Pedestrians	4,497,553	0%	23%	868,806	78,380	15,377	26,229	26,669	25,923	23,613	19,273	15,289	11,408	9,794	10,491	763,122	184,065	2,314	80
	District Wide Footpath Renewals	770,755	0%	2%	12,162	709	941	957	973	720	778	788	798	809	694	744	4,669	8,202	2,314	4
	Bannockburn bridge cycle facility	677,534	51%	33%	110,885	8,056	7,088	7,206	7,327	5,428	5,864	5,939	6,015	6,092	5,230	5,603	57,149	61,792	2,314	27
	Unsubsidised Roading Alexandra	369,198	0%	23%	87,118	6,329	5,172	5,258	5,347	3,961	4,278	4,333	4,389	4,445	3,816	4,088	48,360	45,088	2,314	19
	Unsubsidised Roading Cromwell	277,520	0%	24%	68,246	4,958	4,045	4,112	4,181	3,098	3,346	3,389	3,433	3,477	2,985	3,197	37,942	35,262	2,314	15
	37537698. CrmPths - Footpaths & pedestrian	215,340	0%	19%	20,211	1,468	1,265	1,286	1,308	969	1,046	1,060	1,073	1,087	933	1,000	10,651	11,028	2,314	5
Minor Improvements		**7,035,962**	**13%**	**20%**	**608,292**	**58,313**	**29,511**	**30,005**	**30,509**	**22,601**	**24,414**	**24,727**	**25,044**	**25,366**	**20,998**	**21,596**	**411,835**	**254,770**	**2,314**	**110**
	Minor Improvements	2,087,019	0%	22%	214,480	18,954	11,230	11,418	11,610	8,601	9,290	9,409	9,530	9,653	8,287	8,877	135,528	97,905	2,314	42
	Improvement of Local Roads	1,367,951	0%	8%	21,974	1,596	1,292	1,314	1,336	990	1,069	1,083	1,096	1,111	510	0	13,771	9,799	2,314	4
	Minor improvements (includes LED Lights)	722,767	51%	33%	115,300	14,247	3,994	4,061	4,129	3,059	3,305	3,347	3,390	3,433	2,948	3,157	94,722	34,824	2,314	15
	Other	720,930	0%	22%	64,949	4,719	3,839	3,903	3,968	2,940	3,176	3,216	3,258	3,299	2,833	3,034	36,203	33,465	2,314	14
	RdAss - Other cap exp	408,305	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	1723769341. AssocImpr - Minor Improvements	338,015	0%	19%	31,725	2,305	1,986	2,019	2,053	1,521	1,643	1,664	1,685	1,707	1,465	1,569	16,719	17,311	2,314	7
	Associated Improvements	328,014	17%	25%	35,542	2,608	2,104	2,139	2,175	1,611	1,740	1,763	1,785	1,808	1,553	1,663	19,808	18,342	2,314	8
	Emergency Work - Natural Disaster	305,098	51%	33%	48,671	6,014	1,687	1,716	1,744	1,292	1,396	1,414	1,432	1,450	1,245	1,334	39,974	14,711	2,314	6
	Minor improvements McNulty Road	214,439	51%	33%	34,208	4,227	1,188	1,208	1,228	910	983	995	1,008	1,021	877	939	28,078	10,358	2,314	4
	Renewal of Local Roads	200,529	0%	16%	15,262	1,109	897	912	928	687	742	752	761	771	326	0	9,594	6,777	2,314	3
	47537720. Naseby Clyde - Improvements	98,686	0%	19%	9,262	673	580	589	599	444	480	486	492	498	428	458	4,881	5,054	2,314	2
	Central Otago touring route	77,382	51%	33%	12,344	1,525	430	438	445	330	356	361	365	370	318	340	10,118	3,752	2,314	2

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	Unsubsidised Roading Cromwell	66,469	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	Roading Unit : Rdg Unit - Motor cars & utes	37,398	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	77537720. RoxFPaths - Improvements	24,343	0%	19%	2,285	166	143	145	148	110	118	120	121	123	106	113	1,204	1,247	2,314	1
	37537720. CrmPths - Improvements	23,381	0%	19%	2,194	159	137	140	142	105	114	115	117	118	101	109	1,157	1,197	2,314	1
	Other Cap Exp	14,639	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	Boundary Road improvements	595	51%	33%	95	12	3	3	3	3	3	3	3	3	2	3	78	29	2,314	0
	Minor Improvements	2,087,019	0%	22%	214,480	18,954	11,230	11,418	11,610	8,601	9,290	9,409	9,530	9,653	8,287	8,877	135,528	97,905	2,314	42
Pavement Reconstruction		**8,460,717**	**3%**	**10%**	**304,597**	**16,025**	**2,968**	**4,981**	**6,991**	**5,179**	**3,830**	**2,181**	**1,320**	**1,336**	**1,147**	**1,229**	**289,460**	**31,162**	**2,314**	**13**
	Metalling	3,646,202	0%	5%	94,099	3,156	0	0	0	0	0	0	0	0	0	0	97,255	0	2,314	0
	Renewal of Local Roads	1,870,542	0%	4%	36,431	1,222	0	0	0	0	0	0	0	0	0	0	37,653	0	2,314	0
	Road Construction	1,184,157	0%	21%	124,645	8,998	1,413	3,400	5,384	3,988	2,544	878	0	0	0	0	116,036	17,607	2,314	8
	Royalties Gravel	562,105	0%	3%	9,116	306	0	0	0	0	0	0	0	0	0	0	9,422	0	2,314	0
	Pavement Reconstruction (NZTA WC214)	288,314	51%	17%	23,827	1,731	1,533	1,558	1,585	1,174	1,268	1,284	1,301	1,317	1,131	1,212	12,195	13,363	2,314	6
	Culverts	270,757	0%	4%	5,058	170	0	0	0	0	0	0	0	0	0	0	5,228	0	2,314	0
	Drainage Renewal	250,318	0%	2%	1,891	63	0	0	0	0	0	0	0	0	0	0	1,954	0	2,314	0
	Sealed Culvert Renewals	154,971	0%	5%	4,088	137	0	0	0	0	0	0	0	0	0	0	4,225	0	2,314	0
	PaveMaint - Drainage Rnwl unse	84,111	0%	2%	635	21	0	0	0	0	0	0	0	0	0	0	657	0	2,314	0
	Unsealed Culvert Renewals	57,011	0%	4%	1,212	41	0	0	0	0	0	0	0	0	0	0	1,253	0	2,314	0
	New Culverts Sealed Roads	50,808	0%	9%	2,358	79	0	0	0	0	0	0	0	0	0	0	2,437	0	2,314	0
	Bldgs/Improves	25,253	0%	4%	492	16	0	0	0	0	0	0	0	0	0	0	508	0	2,314	0

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	PaveMaint - Culvts Unseal New	10,778	0%	2%	81	3	0	0	0	0	0	0	0	0	0	0	84	0	2,314	0
	AreaPave - Prof Services	5,391	0%	25%	663	82	22	22	23	17	18	19	19	19	16	17	553	193	2,314	0
Reseals		**23,962,792**	**4%**	**10%**	**1,184,933**	**43,317**	**57,205**	**46,227**	**34,211**	**19,293**	**16,478**	**9,132**	**9,250**	**9,369**	**8,043**	**8,615**	**1,010,425**	**217,824**	**2,314**	**94**
	Sealed Road Renewals	9,406,001	10%	11%	458,208	18,674	34,182	22,818	10,409	7,711	8,330	8,436	8,545	8,654	7,430	7,959	352,407	124,474	2,314	54
	Mntnce Chip Seals	5,741,070	0%	7%	196,441	6,588	0	0	0	0	0	0	0	0	0	0	203,030	0	2,314	0
	Reseals	3,879,814	0%	11%	205,731	6,900	22,192	22,564	22,943	10,946	7,461	0	0	0	0	0	126,525	86,106	2,314	37
	Renewal of Local Roads	3,804,495	0%	16%	298,642	10,016	0	0	0	0	0	0	0	0	0	0	308,658	0	2,314	0
	District Renewals	690,215	0%	2%	10,891	635	831	845	859	636	687	696	705	714	613	657	4,283	7,243	2,314	3
	Thin AC	405,156	0%	7%	13,752	461	0	0	0	0	0	0	0	0	0	0	14,213	0	2,314	0
	Reseal Rds - Prof Services	36,041	0%	7%	1,267	42	0	0	0	0	0	0	0	0	0	0	1,310	0	2,314	0
Road Construction		**2,699,979**	**0%**	**24%**	**582,096**	**44,457**	**21,292**	**26,544**	**30,065**	**22,272**	**19,273**	**7,464**	**6,626**	**6,711**	**5,762**	**6,172**	**474,372**	**152,181**	**2,314**	**66**
	Road Construction	2,526,456	0%	23%	540,963	39,302	19,995	25,226	28,725	21,280	18,201	6,378	5,526	5,597	4,805	5,147	439,386	140,879	2,314	61
	57537691. MtoFPths - Road construction	93,227	0%	19%	8,750	636	548	557	566	419	453	459	465	471	404	433	4,611	4,774	2,314	2
	CrmPths - Other cap exp	80,296	0%	40%	32,382	4,519	749	761	774	573	619	627	635	644	552	592	30,374	6,527	2,314	3
Seal Extensions		**3,510,432**	**6%**	**16%**	**358,304**	**26,032**	**16,025**	**19,641**	**19,970**	**14,794**	**15,981**	**10,844**	**10,937**	**11,077**	**4,993**	**1**	**260,073**	**124,263**	**2,314**	**54**
	Road Construction	2,181,777	0%	17%	138,975	10,097	3,129	6,529	6,639	4,918	5,312	38	0	0	0	0	122,507	26,565	2,314	11
	Unsubsidised Work	1,326,003	0%	17%	219,163	15,923	12,886	13,102	13,322	9,869	10,660	10,797	10,936	11,076	4,992	0	137,446	97,639	2,314	42
	SealExSub - Seal extn Ophir Br	2,274	0%	17%	147	11	9	9	9	7	7	7	0	0	0	0	110	47	2,314	0
	Seal Extensions at Intersections	378	51%	11%	20	1	1	1	1	1	1	1	1	1	1	1	10	11	2,314	0
Structure		**4,550,697**	**7%**	**26%**	**666,368**	**91,026**	**25,701**	**26,132**	**26,570**	**19,684**	**21,262**	**21,535**	**21,811**	**22,092**	**18,966**	**20,316**	**533,324**	**224,070**	**2,314**	**97**
	Structures Renewals	1,831,700	22%	28%	255,416	35,076	7,437	7,562	7,689	5,696	6,153	6,232	6,312	6,393	5,488	5,879	225,654	64,839	2,314	28

ID	Description	Total Cost $	Average of FAR %	% funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
	Bridge Renewals	1,404,599	0%	31%	209,494	29,235	13,091	13,310	13,534	10,026	10,830	10,969	11,110	11,252	9,661	10,348	124,598	114,131	2,314	49
	Structure	273,509	0%	29%	38,505	5,373	1,077	1,095	1,113	825	891	902	914	926	795	851	34,490	9,388	2,314	4
	Bridge Upgrades	263,648	0%	31%	39,571	5,522	1,087	1,105	1,124	832	899	911	922	934	802	859	35,618	9,476	2,314	4
	Greenbridge	258,895	0%	31%	38,040	5,309	1,046	1,063	1,081	801	865	876	887	899	772	827	34,233	9,116	2,314	4
	Small bridge replacement	216,000	51%	42%	44,056	6,148	1,053	1,070	1,088	806	871	882	893	905	777	832	41,028	9,176	2,314	4
	Renewal of Local Roads	176,327	0%	30%	25,494	3,558	700	712	724	536	579	586	594	602	516	553	22,949	6,102	2,314	3
	Decorations	94,933	0%	11%	10,671	358	0	0	0	0	0	0	0	0	0	0	11,028	0	2,314	0
	Pedestrian Services	22,475	0%	11%	2,526	85	0	0	0	0	0	0	0	0	0	0	2,611	0	2,314	0
	Bridge Piers	8,003	0%	31%	2,502	349	209	212	216	160	173	175	177	179	154	165	1,032	1,819	2,314	1
	BrdgRenRds - Prof Services	607	0%	31%	93	13	3	3	3	2	2	2	2	2	2	2	84	22	2,314	0
Town Centre		**1,924,813**	**14%**	**12%**	**216,180**	**7,251**	**18,356**	**18,664**	**18,977**	**14,058**	**15,186**	**15,380**	**15,578**	**15,721**	**11,627**	**0**	**79,884**	**143,547**	**2,314**	**62**
	Clyde Historic Precinct	1,053,497	51%	31%	158,846	5,328	18,356	18,664	18,977	14,058	15,186	15,380	15,578	15,721	11,627	0	20,626	143,547	2,314	62
	Alexandra Town Centre - Other Captial Expenditure	617,466	0%	7%	40,761	1,367	0	0	0	0	0	0	0	0	0	0	42,128	0	2,314	0
	CrmTwnCtr - Upgrade Stream	124,952	0%	7%	8,249	277	0	0	0	0	0	0	0	0	0	0	8,525	0	2,314	0
	CrmTwnCtr - Other Capital Expenditure	97,781	0%	7%	6,455	216	0	0	0	0	0	0	0	0	0	0	6,671	0	2,314	0
	Alexandra Town Centre - Decorations	16,768	0%	7%	1,107	37	0	0	0	0	0	0	0	0	0	0	1,144	0	2,314	0
	Cromwell Town Centre	10,035	0%	7%	662	22	0	0	0	0	0	0	0	0	0	0	685	0	2,314	0
	Town Centre: AlxTC - Signs/Bins/Structures	2,080	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	Unsubsidised Work	1,526	0%	7%	101	3	0	0	0	0	0	0	0	0	0	0	104	0	2,314	0
	Town Centre: AlxTC - Irrigation	706	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0

ID	Description	Total Cost $	Average of FAR %	% funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
Traffic Services		**11,811,208**	**3%**	**15%**	**975,190**	**63,336**	**-8,091**	**-6,394**	**10,746**	**18,501**	**17,386**	**14,819**	**12,314**	**7,993**	**6,396**	**6,282**	**958,574**	**79,953**	**2,314**	**35**
	New Safety Project	2,554,561	0%	26%	254,540	18,493	-2,084	294	2,781	6,851	5,095	2,661	0	0	0	0	257,435	15,597	2,314	7
	Road Construction	2,001,186	0%	18%	169,023	7,976	-6,278	-6,383	-1,816	0	0	0	0	0	0	0	191,477	-14,478	2,314	-6
	Mntnce Chip Seals	1,100,596	0%	7%	37,116	1,245	0	0	0	0	0	0	0	0	0	0	38,361	0	2,314	0
	Metalling	752,873	0%	5%	19,047	639	0	0	0	0	0	0	0	0	0	0	19,686	0	2,314	0
	Signs	743,419	0%	10%	41,528	1,393	0	0	0	0	0	0	0	0	0	0	42,921	0	2,314	0
	Renewal of Local Roads	596,481	0%	15%	49,257	2,771	1,683	1,711	1,740	1,289	1,392	1,410	1,428	0	0	0	41,374	10,654	2,314	5
	Bridge Renewals	564,776	0%	31%	82,984	11,580	7,095	7,214	7,335	5,434	5,870	5,945	6,021	6,099	5,236	5,609	32,707	61,858	2,314	27
	Improvement of Local Roads	496,146	0%	26%	51,017	3,706	3,003	3,053	3,104	2,300	2,484	2,516	2,548	0	0	0	35,716	19,007	2,314	8
	Traffic Services Renewals	352,553	51%	8%	13,116	440	1,496	1,521	1,547	1,146	1,238	1,253	1,270	833	379	0	2,874	10,682	2,314	5
	Signs & Railings Renewals	350,559	0%	9%	13,929	467	951	387	0	0	0	0	0	0	0	0	13,058	1,338	2,314	1
	Traffic Services	346,206	0%	5%	9,031	303	975	991	1,008	536	286	0	0	0	0	0	5,538	3,796	2,314	2
	Signs & posts and railings	254,198	0%	9%	11,111	373	0	0	0	0	0	0	0	0	0	0	11,484	0	2,314	0
	Footpaths and Pedestr	251,254	0%	26%	66,198	4,809	-7,026	-7,144	-4,590	0	0	0	0	0	0	0	89,767	-18,759	2,314	-8
	Footpaths and Pedestri	198,473	0%	26%	52,291	3,799	-5,577	-5,670	0	0	0	0	0	0	0	0	67,337	-11,247	2,314	-5
	Car Park Construction	182,506	0%	11%	20,514	688	0	0	0	0	0	0	0	0	0	0	21,202	0	2,314	0
	Thin Asphaltic Su	151,413	0%	7%	5,106	171	0	0	0	0	0	0	0	0	0	0	5,277	0	2,314	0
	Edgemarkers	117,075	0%	17%	9,723	326	0	0	0	0	0	0	0	0	0	0	10,049	0	2,314	0
	Other Capital Expenditure	115,062	0%	7%	7,596	8	0	0	0	0	0	0	0	0	0	0	7,604	0	2,314	0
	Traffic Services	100,476	0%	8%	3,966	231	298	303	308	228	246	250	253	256	220	235	1,600	2,597	2,314	1
	Culverts	67,999	0%	4%	1,270	43	0	0	0	0	0	0	0	0	0	0	1,313	0	2,314	0

ID	Description	Total Cost $	Average of FAR %	% funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
	Royalties Gravel	64,782	0%	3%	1,033	35	0	0	0	0	0	0	0	0	0	0	1,067	0	2,314	0
	Speed Limit Thresholds	60,000	51%	6%	1,772	59	205	209	212	157	170	172	174	177	152	0	202	1,629	2,314	1
	Road Const. Prof	56,536	0%	23%	5,827	423	-617	-627	-638	0	0	0	0	0	0	0	8,132	-1,881	2,314	-1
	Footpaths & Pedestr	48,018	0%	26%	12,651	919	-1,349	-1,372	0	0	0	0	0	0	0	0	16,291	-2,721	2,314	-1
	Furniture and Fittings	40,015	0%	9%	3,570	120	0	0	0	0	0	0	0	0	0	0	3,689	0	2,314	0
	Vehicle-activated speed warning signage	37,302	51%	9%	1,554	52	176	179	182	135	145	147	149	151	0	0	343	1,264	2,314	1
	Landscaping	34,686	0%	26%	9,139	664	-967	-983	-1,000	0	0	0	0	0	0	0	12,753	-2,951	2,314	-1
	Major Drainage Control	30,561	0%	3%	495	61	99	101	103	76	82	83	84	86	73	79	-311	867	2,314	0
	Structures Renewals	30,226	0%	29%	4,254	309	251	256	260	193	208	211	213	216	186	199	2,371	2,192	2,314	1
	Decorations	27,115	0%	11%	3,048	102	0	0	0	0	0	0	0	0	0	0	3,150	0	2,314	0
	Footpaths and Pedest	22,408	0%	26%	5,904	429	-630	-640	0	0	0	0	0	0	0	0	7,603	-1,270	2,314	-1
	Bus Shelter	16,006	0%	9%	1,428	48	0	0	0	0	0	0	0	0	0	0	1,476	0	2,314	0
	Bridge Piers	12,497	0%	31%	3,907	545	334	340	345	256	276	280	283	287	247	264	1,540	2,912	2,314	1
	Traffic Island	9,604	0%	9%	857	29	0	0	0	0	0	0	0	0	0	0	885	0	2,314	0
	CapEx Landscaping	8,003	0%	3%	257	26	-162	-164	-167	-124	-134	-135	-137	-139	-119	-128	1,692	-1,410	2,314	-1
	X-Mas Decorations	4,802	0%	9%	428	14	0	0	0	0	0	0	0	0	0	0	443	0	2,314	0
	Irrigation	4,802	0%	3%	166	20	31	32	33	24	26	26	27	27	23	25	-88	274	2,314	0
	Cromwell Car Parking -	3,980	0%	11%	447	15	0	0	0	0	0	0	0	0	0	0	462	0	2,314	0
	New Signs	2,055	0%	9%	90	3	0	0	0	0	0	0	0	0	0	0	93	0	2,314	0

ID	Description	Total Cost $	Average of FAR %	% funded by DCs	DC funded cost $	Interest Cost $	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Sum of Years 10+	Sum of Analysis Window Growth Cost	RECOVER-ABLE GROWTH / CAPACITY LIFE (HUES)	Charge per HUE
Unsealed Road Metalling		**17,059,755**	**13%**	**6%**	**470,559**	**17,220**	**39,029**	**37,107**	**34,931**	**24,493**	**24,527**	**22,907**	**23,201**	**5,121**	**4,397**	**3,036**	**269,030**	**218,749**	**2,314**	**95**
	Gravel Road Renewals	9,968,481	14%	5%	335,897	12,669	32,190	30,154	27,861	20,640	22,295	22,581	22,871	4,787	4,110	2,770	158,309	190,257	2,314	82
	Unsealed Road Metalling	4,386,462	0%	3%	59,748	2,004	6,450	6,558	6,668	3,556	1,911	0	0	0	0	0	36,609	25,143	2,314	11
	Renewal of Local Roads	2,387,432	0%	15%	70,963	2,380	0	0	0	0	0	0	0	0	0	0	73,343	0	2,314	0
	Gravel Purchases	317,379	51%	3%	3,951	167	389	395	402	298	322	326	330	334	287	266	769	3,349	2,314	1
Unsubsidised Roading		**506,733**	**0%**	**28%**	**158,235**	**18,736**	**5,494**	**5,586**	**5,680**	**4,208**	**4,545**	**4,604**	**4,663**	**4,723**	**2,739**	**2,934**	**131,795**	**45,176**	**2,314**	**20**
	Unsubsidised Work	343,888	0%	40%	138,685	17,320	4,289	4,361	4,434	3,285	3,548	3,594	3,640	3,687	1,849	1,981	121,338	34,667	2,314	15
	Unsubsidised Roading	90,981	0%	13%	5,907	429	358	364	370	274	296	300	304	308	264	283	3,213	3,123	2,314	1
	57537718. MtoFPths - Unsub Roading.	70,671	0%	19%	13,537	983	847	861	876	649	701	710	719	728	625	670	7,134	7,386	2,314	3
	Signs/Bins/Structures	1,193	0%	9%	106	4	0	0	0	0	0	0	0	0	0	0	110	0	2,314	0
Vested Assets		**8,950,474**	**0%**	**0%**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,314**	**0**
	Vested Assets	7,409,599	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	RdAss - Vested assets	1,314,312	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	CrmPths - Vested assets	102,090	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	Roading: RdAss - Vested assets	57,522	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	Vestd Assets	57,357	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
	Unsub Roading Cromwell: CrmPths - Vested assets	9,593	0%	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,314	0
Ward Renewals		**887,779**	**0%**	**4%**	**34,990**	**2,310**	**1,708**	**1,737**	**1,766**	**1,308**	**1,413**	**1,431**	**1,450**	**1,468**	**682**	**0**	**24,337**	**12,963**	**2,314**	**6**
	Unsubsidised Work	887,779	0%	4%	34,990	2,310	1,708	1,737	1,766	1,308	1,413	1,431	1,450	1,468	682	0	24,337	12,963	2,314	6

This table has rounding (± 1)

PART 3: Catchment Maps

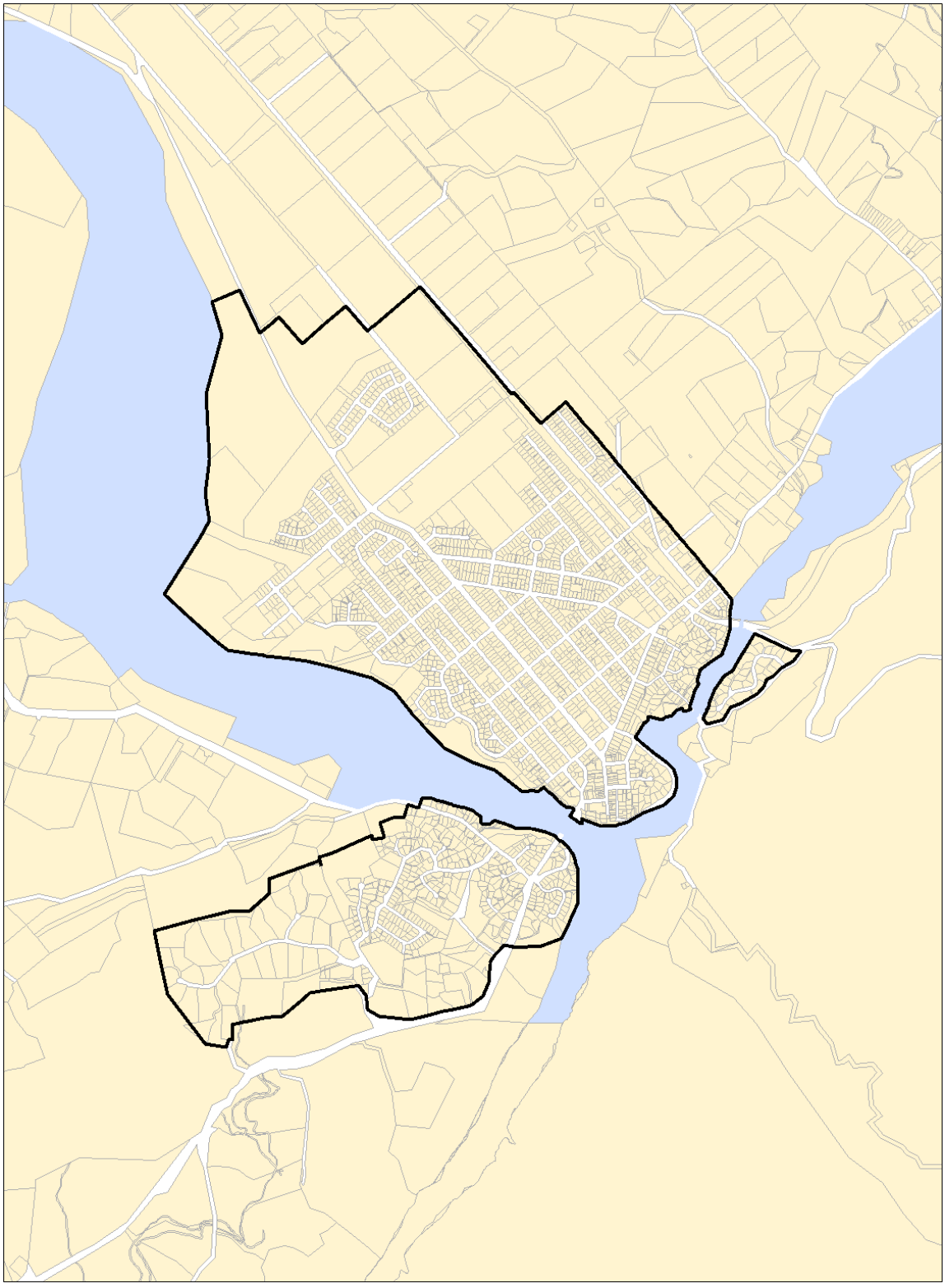
The maps in this section outline the boundaries of the catchments within which development contributions will apply.

Water catchment maps

Alexandra and Clyde water supply – scheme boundary

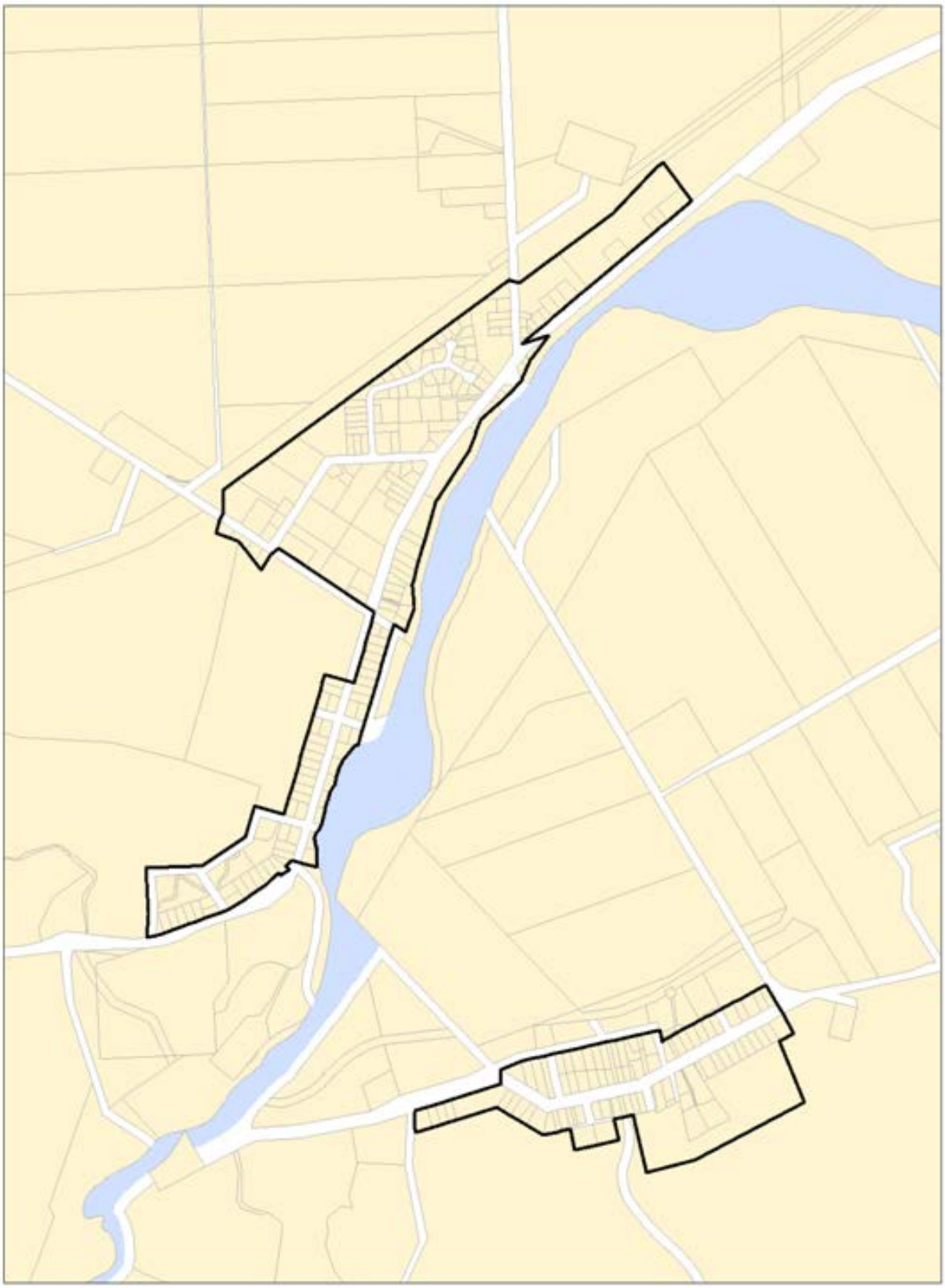
Wastewater catchment maps

Alexandra wastewater – scheme boundary

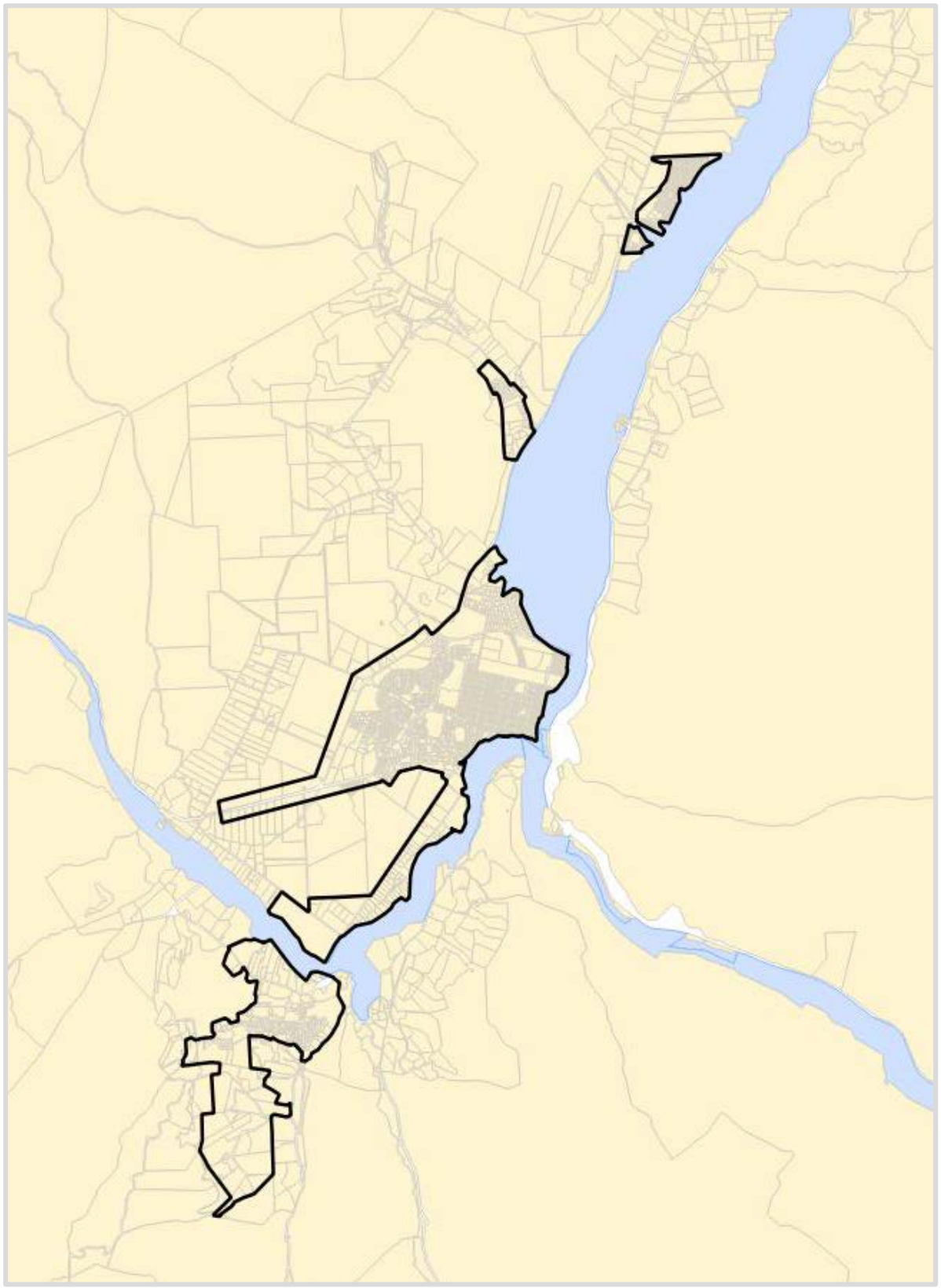


Clyde wastewater – scheme boundary

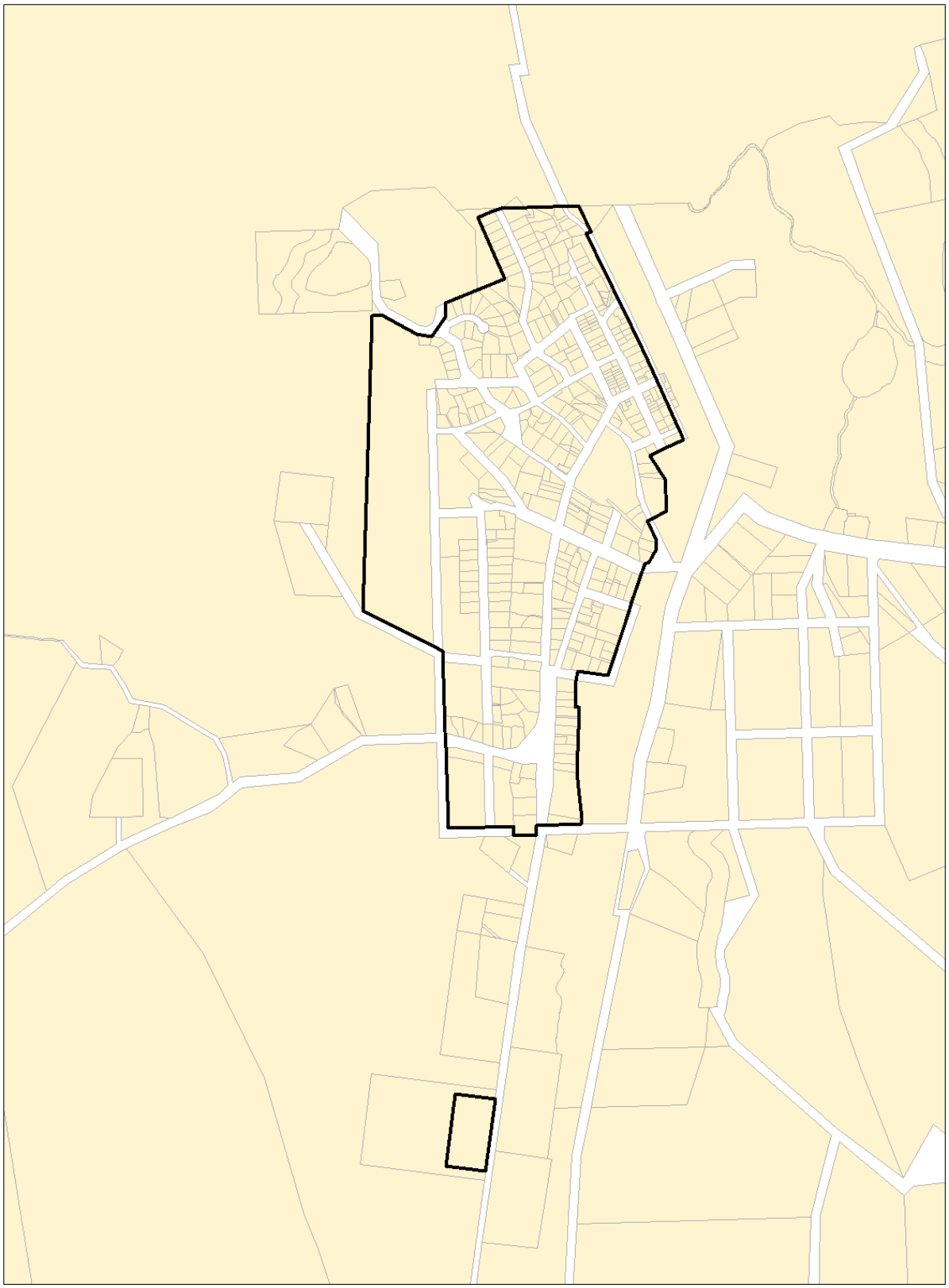
Omakau / Ophir water supply & wastewater – scheme boundaries



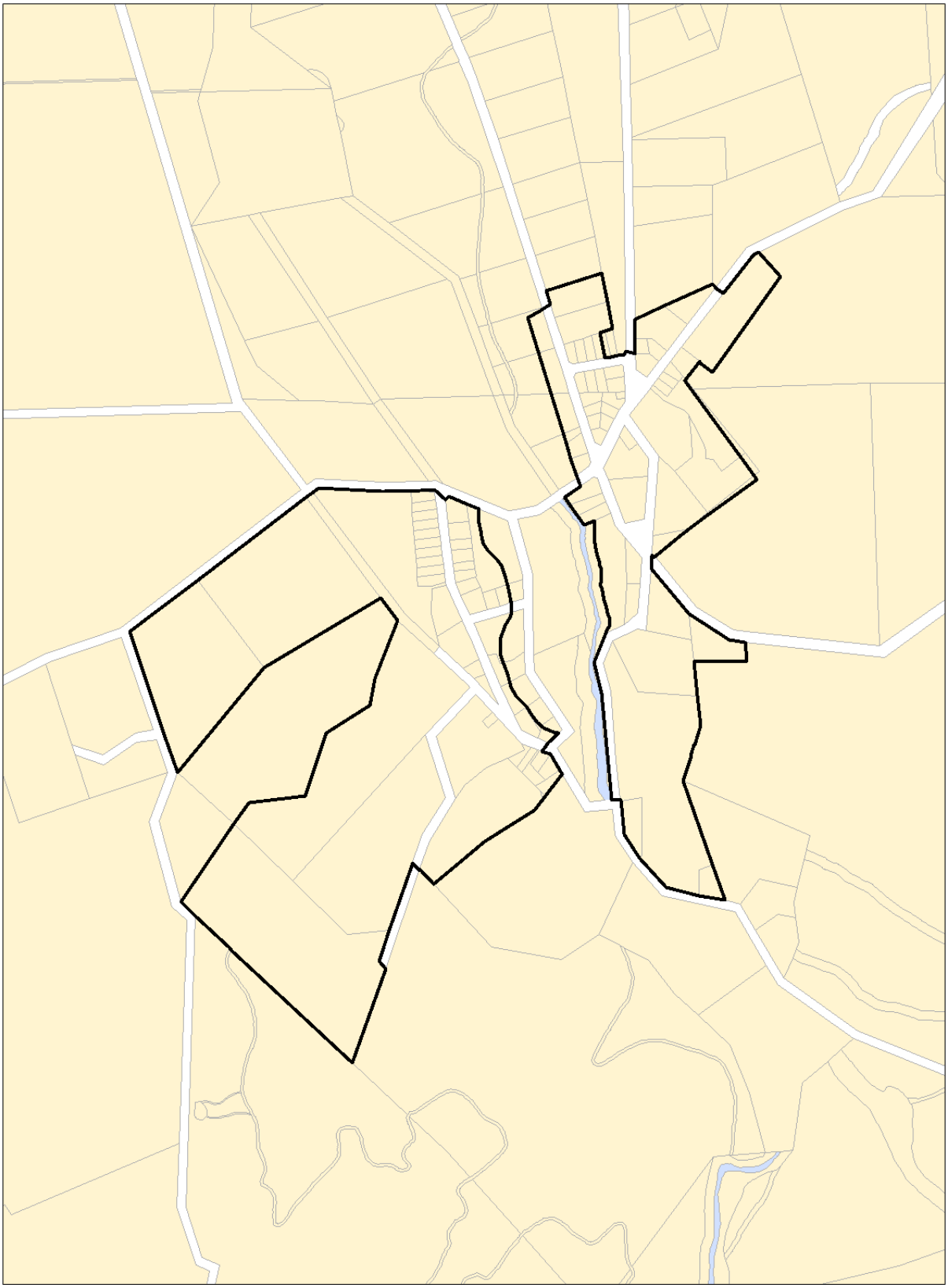
Cromwell water supply & wastewater – scheme boundary



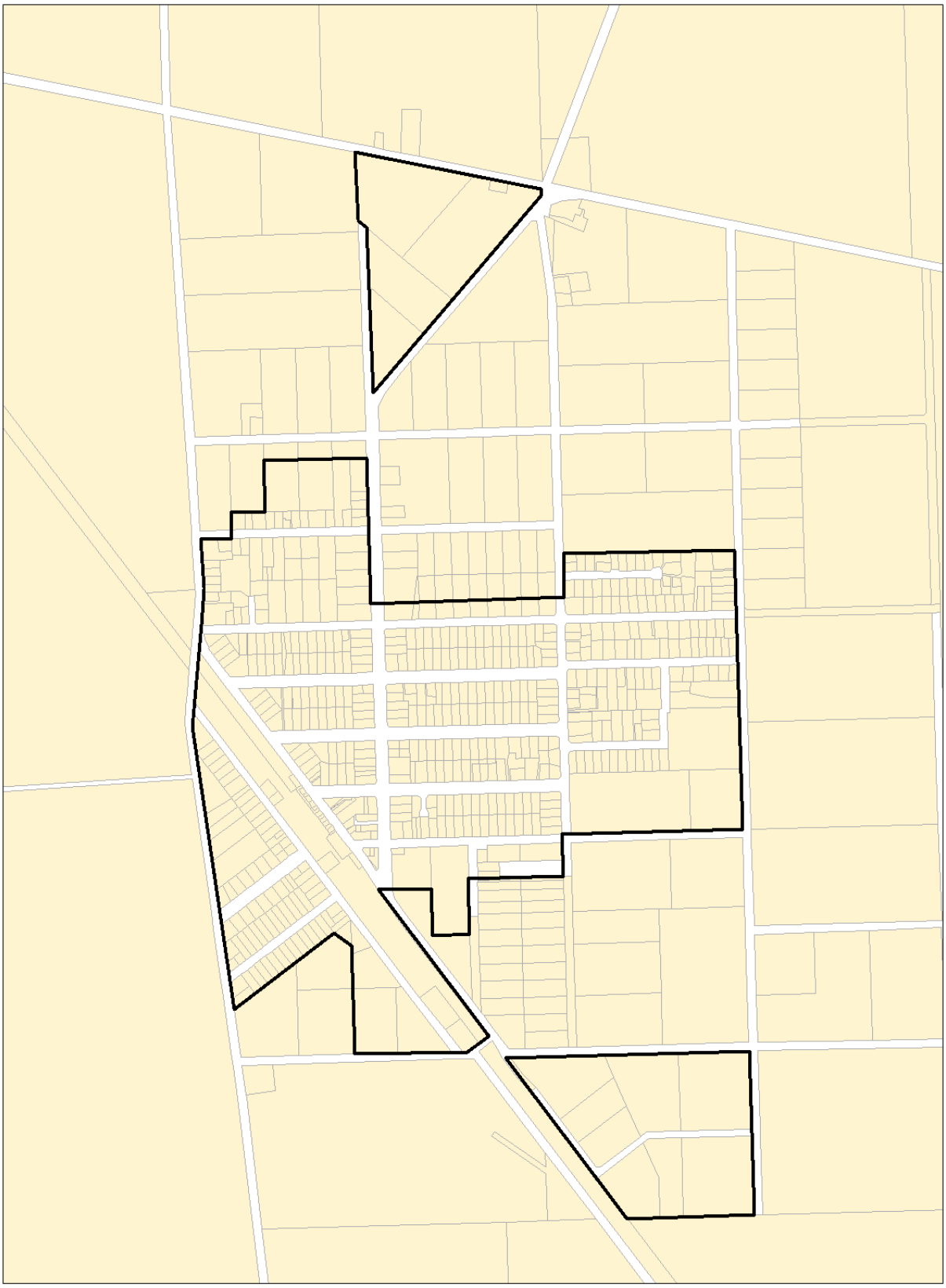
Naseby urban water supply and wastewater – scheme boundary



Patearoa urban water supply – scheme boundary

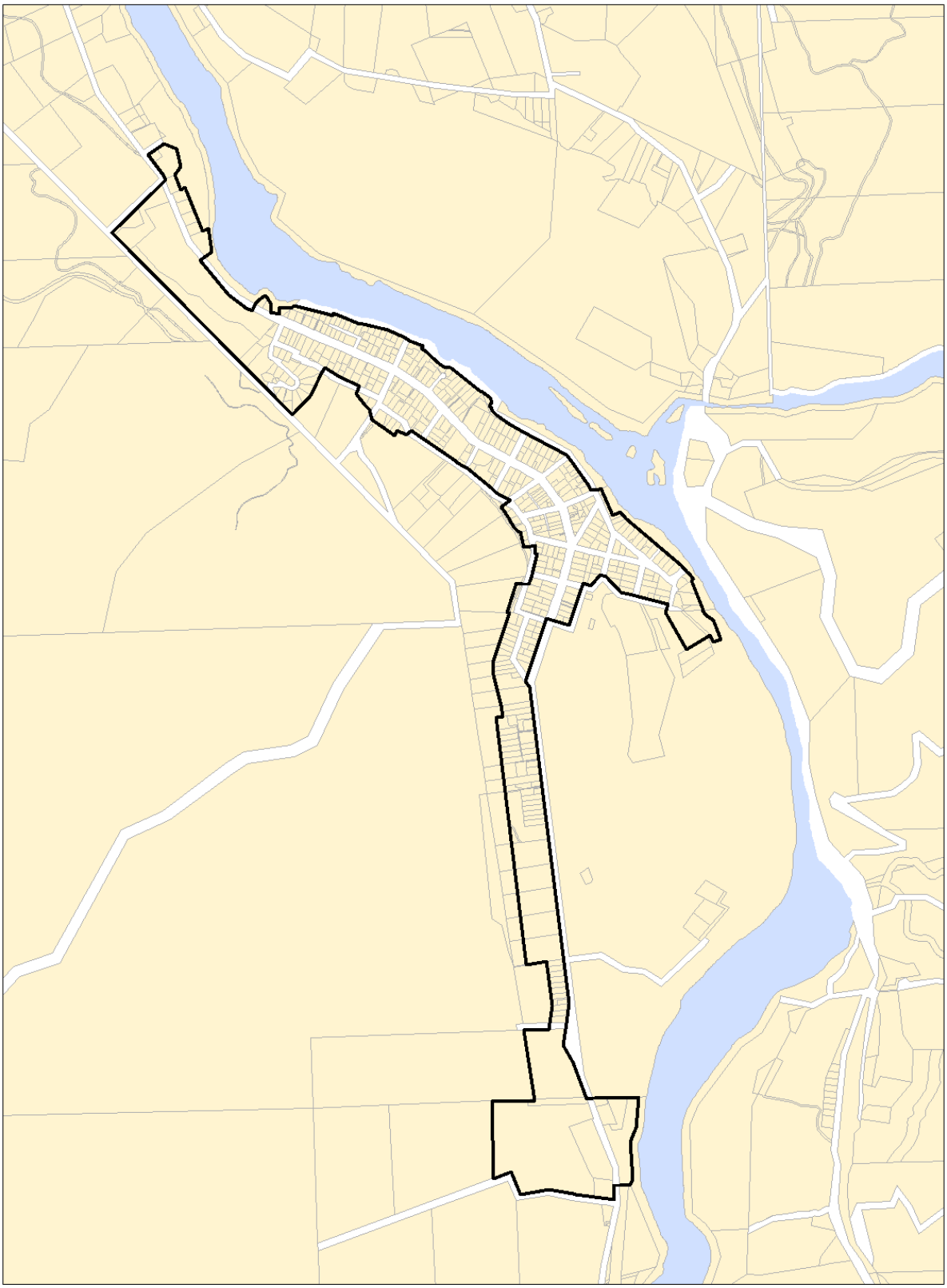


Ranfurly urban water supply and wastewater – scheme boundary



Roxburgh water supply and wastewater – scheme boundary (shown on two maps)

1. Roxburgh



Roxburgh water supply and wastewater – scheme boundary (shown on two maps)

2. Lake Roxburgh village