6.2 COUNCIL SUBMISSION - HUNTER WATER DEVELOPER CHARGES

File Number: EF23/7

Author: Director Planning & Environment

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Annexures:
1. Draft DSC Submission to Hunter Water Developer Charges ⇩
2. DSP Dungog and Chichester DataSheet ⇩
3. DSP Dungog and Chichester Asset List ⇩

Precis

The Hunter Regional Plan 2041 recognises that the population is projected to increase across the Hunter Region to 949,850 people by 2041.

Hunter Water now intends to reintroduce a developer contributions charge for water and wastewater services in an attempt to recover the costs of providing infrastructure to support and service new developments.

The public exhibition period for submissions on the matter closes at 5pm Friday 7 July 2023.

RECOMMENDATION

That Council:

1. Note the information within this report pertaining to Hunter Water Corporations (HWC) intention to reintroduce a developer contributions charge for water and wastewater services in the Hunter including the Dungog Shire;
2. Does not support the rationale applied in determining the water and wastewater rates as per the intended Development Servicing Plans (DSPs) for Dungog Shire, noting the approach dos not meet the Productivity Commissioners objectives and is considered unreasonable during the current Housing Affordability Crisis;
3. Write to the Minister for Water, Housing and Homelessness stressing the following key points:
    I. Between HWC's drinking catchment water quality standards and the proposed reintroduction of developer charges, the cost to new development in Dungog with regard to DSP charges and stormwater management is 49% greater than average of the development in the Hunter Region within HWC's areas of operations; and
    II. Dungog Shire Council considers that the reintroduction of developer charges further disincentivises development in the Dungog Shire and in a time where housing affordability is at crisis point and the ability for Dungog Shire to deliver housing as one of NSW Governments key objectives will be severely diminished, including for Dungog Shire to meet population projections and housing targets identified in the Hunter Regional Plan 2041.
4 That Council endorse the draft submission under annexure one (1) of this report and submit to Hunter Water prior to 5pm Friday 7 July 2023.

REPORT

Hunter Water Corporation (HWC) advises that developer charges aim to recover the costs of providing, upgrading and augmenting infrastructure for new developments in Hunter Water areas of operations.

As the population continues to increase across the region, the costs of servicing new growth places upward pressure on customer bills. The reintroduction of developer charges by Hunter

Water for water and wastewater services aims to recover the infrastructure costs attributable to urban growth.

It appears that the reintroduction of developer charges follows recommendations set out by the NSW Productivity Commission's Infrastructure Contributions Review to address immediate and long-term challenges faced by state and local governments. These challenges include a growing and ageing population, rising infrastructure demand, increasing costs, housing undersupply, and environmental issues.

Hunter Water states that customers will not face higher water bills as a result of new development, the developer charges will intend to provide a price signal to the market to undertake the right amount of development, in the right places, at the right time while avoiding barriers to recycled water and infrastructure contestability.

Effects on the Shire of Dungog

The average exhibited DSP charges are as follows;

- Water $3,371
- Wastewater $7,567
  Combined $10,939

For Dungog Shire, the following suburbs apply with respect to both water and waste water DPPs as per exhibited GIS mapping (refer to note below):

Local Government Area	Applicable Suburbs for Water Developer Charge 'Dungog and Chichester	Cost per Equivalent Tenement (ET) basis – One Dwelling/Lot
Dungog Shire Council Note* The Dungog and Chichester DSP also includes suburbs from Port Stephens, Maitland and Newcastle LGA's	ALISON; BALICKERA; BENDOLBA; BRANDY HILL; BROOKFIELD; BUTTERWICK; CAMBRA; CLARENCE TOWN; DUCKENFIELD; DUNGOG; DUNS CREEK; EAST GRESFORD; EAST SEAHAM; FLAT TOPS; FOSTERTON; GLEN OAK; GLEN WILLIAM; GRESFORD; HANLEYS CREEK; HILLDALE; MARSHDALE; MARTINS CREEK; NELSONS PLAINS; OSTERLEY; PATERSON; Part of BERESFIELD; Part of BERRY PARK; Part of BLACK HILL; Part of EAGLETON; Part of HEXHAM; Part of HINTON; Part of MILLERS FOREST; Part of MINDARIBBA; Part of MORPETH; Part of PHOENIX PARK; Part of SANDGATE; Part of TARRO; Part of THORNTON; Part of WOODBERRY; Part of WOODVILLE; ROSEBROOK; SEAHAM; STROUD HILL; SUGARLOAF; TABBIL CREEK; TOCAL; VACY; WALLALONG; WALLARINGA; WALLAROBBA; WEBBERS CREEK; WIRRAGULLA	$2,511.00

Table 1.0 Applicable Suburbs for 'Water' Developer Charge 'Dungog and Chichester DSP'

Local Government Area	Applicable Suburbs for Wastewater Developer Charge S.8 Dungog	Cost per Equivalent Tenement (ET) basis – One Dwelling/Lot
Dungog Shire Council	ALISON; BENDOLBA; DUNGOG; FOSTERTON; SUGARLOAF; TABBIL CREEK; WIRRAGULLA	$13,803

Table 2.0 Applicable Suburbs for 'Wastewater' Developer Charge 'Dungog'

Local Government Area	Applicable Suburbs for Wastewater Developer Charge S.6 Clarence Town	Cost per Equivalent Tenement (ET) basis – One Dwelling/Lot
Dungog Shire Council	CLARENCE TOWN; EAST SEAHAM; GLEN OAK; GLEN WILLIAM	$6,210

Table 3.0 Applicable Suburbs for 'Wastewater' Developer Charge 'Clarence Town'

Note: It is unclear from the exhibited material and with respect to the listed suburbs that if developments were to occur outside of these suburbs, the developer charges would not apply. In effect the principle is 'user pays' so developer charges could apply LGA wide.

Residents in Dungog will be forced to pay **$16,314** per new lot or dwelling, 49% higher than the average. (This cost being sum of water and wastewater combined as per table 1 and table 2 above).

Specific areas of Dungog Shire is in the HWC drinking water catchment, as such new development in these catchment areas is also required by HWC to abide by the Nil or Beneficial Effect on Water Quality (NorBE) approach rather than the less stringent Percentage Reduction Target method applied in non-drinking water catchments. The NorBE approach will typically add 50% to the size of stormwater management infrastructure[i].

Between HWC's drinking catchment water quality standards and the proposed reintroduction of developer charges, the cost to new development in Dungog with regard to DSP charges and stormwater management is 49% greater than average the development in the Hunter Region as per areas under HWC's operations.

Furthermore Council considers that adding $16,314 (for the example of one ET or dwelling in Dungog) to the cost of a new lot or dwelling for the benefit of reducing the bills of existing homeowners by $20 per year does not meet the Productivity Commissioners objectives and is particularly unreasoned during the current Housing Affordability Crisis. Further, the amount of developer charges above the regional average will disincentivise development in the Dungog Shire, especially when considered in conjunction with the existing drinking water catchment requirements

How are Developer Charges calculated

The Independent Pricing and Regulatory Tribunal (IPART) sets the methodology used to calculate the value of developer charges. Hunter Water must use the IPART methodology to determine the value of developer charges.

In short, developer charges reflect the capital cost attributable to the Development Servicing Plan (DSP) area, less the future operating position (surplus or deficit) expected from our charges to retail customers in the DSP area. The developer charge is calculated on a per Equivalent Tenement (ET) basis. One ET is equal to the estimated demand of a typical residential standalone dwelling. Each DSP area includes a developer charge for water and wastewater separately.

The submission as attached in annexure one (1) addressing Council's view on the developer charges approach having regard to the NSW Productivity Commission's 2020 review.

What is a DSP

Development Servicing Plans (DSPs) cover water supply and wastewater developer charges for different areas serviced by Hunter Water. Each DSP details the developer charges applicable to the respective water supply, water headworks, wastewater transportation, treatment or transfer system for that area.

In addition to developer charge calculations, each DSP contains information about the geographical area covered by the system, estimates of future capital expenditure and operating costs, demographic assumptions, and relevant planning information. DSPs aim to provide appropriate cost signals to the marketplace, helping developers make location and investment decisions, and ensure the assets grouped together function properly in an operational sense.

The submission as attached in annexure one (1) addresses Council's view, noting that the amount of developer charges above the regional average will disincentivise development in the Dungog Shire, especially when considered in conjunction with the existing drinking water catchment requirements

IPART's 2018 developer charges determination requires Hunter Water to identify water and wastewater servicing areas and produce DSPs for each. In developing the boundaries for DSP areas, Hunter Water relied upon the existing water zones in use for operational purposes. For wastewater, Hunter Water established a DSP for each standalone wastewater treatment catchment.

There are proposed nine (9) water DSPs and twenty (20) wastewater DSPs across the Hunter Water area of operations.

What will it cost to develop in different areas?

Developer charges vary depending on the DSP area. Developer charges for water range from:

- $1,000 to $5,000 per ET (across eight DSPs)
- $8,700 per ET (across one DSPs)

Developer charges for wastewater range from:

- $0 to $5,000 per ET (across nine DSPs)
- $5,000 to $10,000 per ET (across six DSPs)
- $10,000 to $15,000 per ET (across three DSPs)
- $15,000 to $20,600 per ET (across two DSPs)

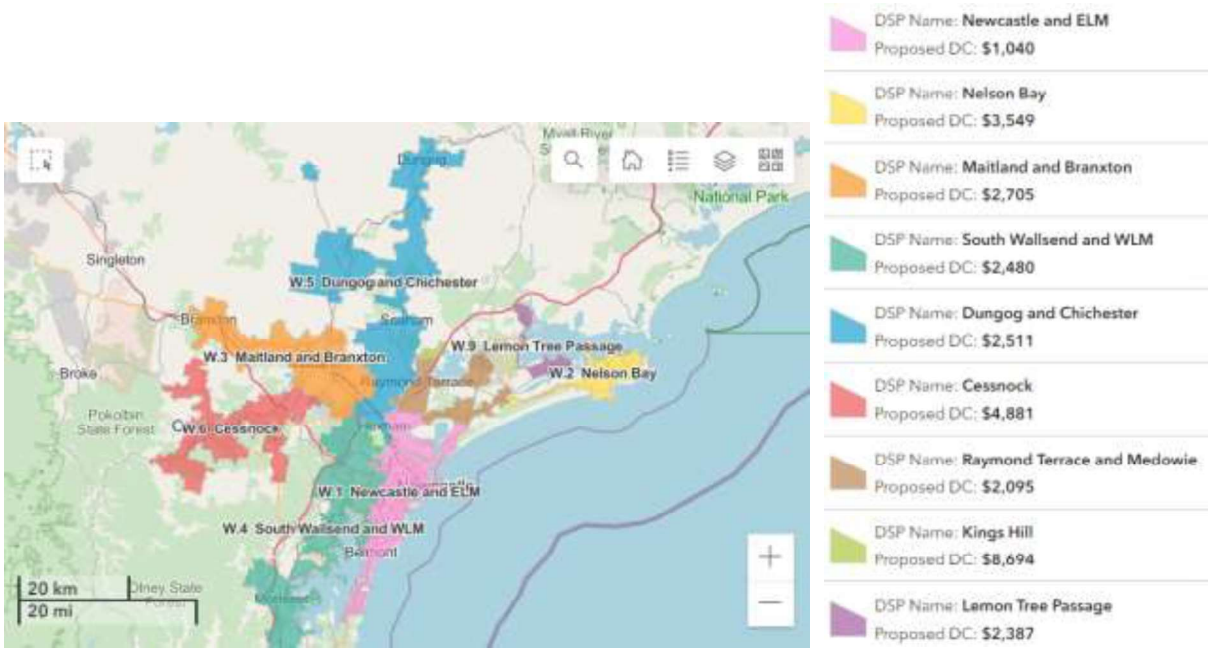

Figure 1.0 Water DSPs Note: Dungog and Chichester Developer Charge ET $2,511.00

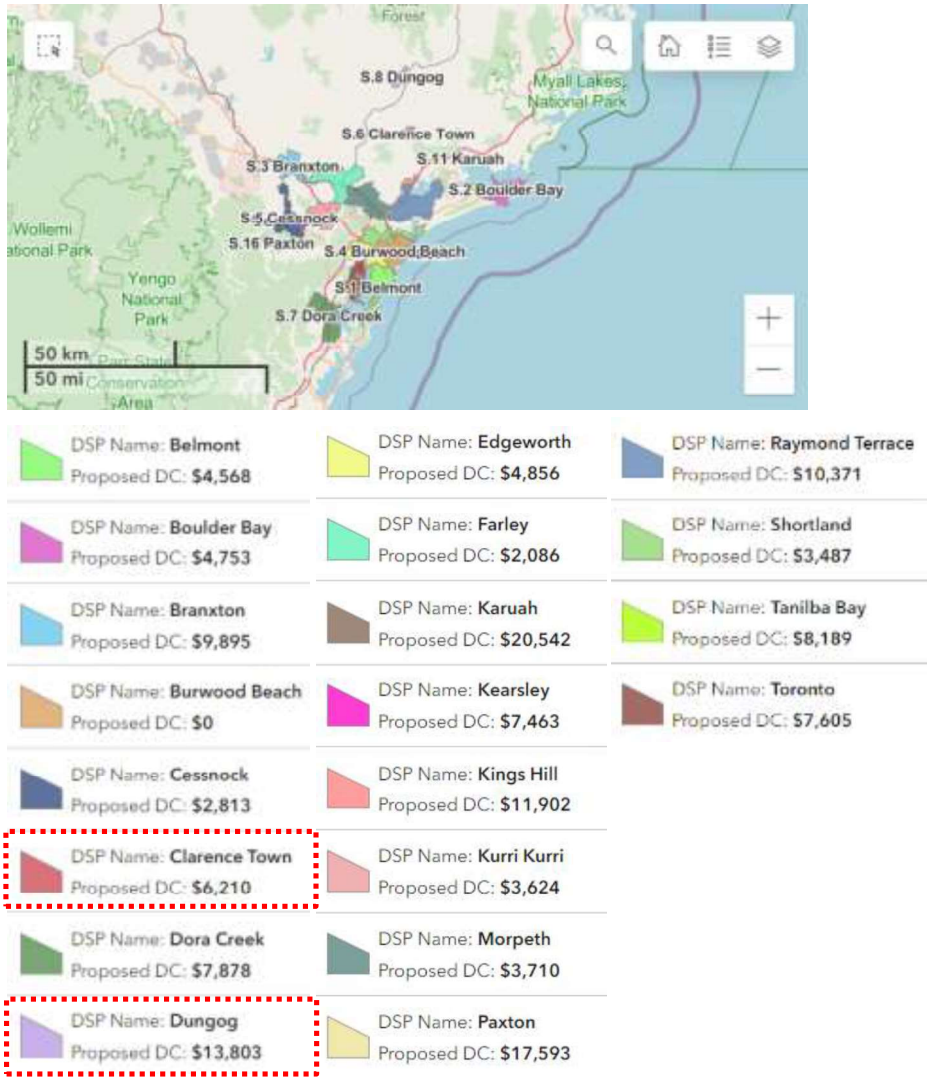

Figure 2.0 Wastewater DSPs Note: Dungog and Clarence Town Charge ETs.

When will charges be levied

From 1 July 2023 developer charges will come into effect, however, the NSW Government has directed that developer charges will remain at 0% for financial year 2023-24, before a phased reintroduction at 25% in financial year 2024-25, 50% in financial year 2025-26, prior to full reintroduction from financial year 2026-27 onwards.

COMMUNITY STRATEGIC PLAN

Our Leadership – Objective 5.1 That we aim for strong community leadership, financial sustainability and ethical, accountable and responsive governance.

Strategy 5.1.8 - Council will advocate for our communities by actively pursuing constructive relationships with other spheres of government.

DELIVERY PROGRAM

N/a

IMPLICATIONS

Finance and Resourcing

At this point, there are no perceived financial or resourcing implications for Council with respect to implementation of the contribution charges. However, for the development industry and future community members the following cost implications are noted for new lots/dwellings in the Shire.

The average exhibited DSP charges across HWC's operational areas are as follows;

Water $3,371

Wastewater $7,567

Combined $10,939

Residents in Dungog Shire will be forced to pay $16,314 per new lot or dwelling, 49% higher than the average across HWC's operational areas within the Hunter Region .

Dungog is in the HWC drinking water catchment, as such new development in Dungog is also required by HWC to abide by the Nil or Beneficial Effect on Water Quality (NorBE) approach rather than the less stringent Percentage Reduction Target method applied in non-drinking water catchments. The NorBE approach will typically add 50% to the size of stormwater management infrastructure.

Previous Council Resolutions

Nil

Implementation

Nil

Statutory/Legislative

The reintroduction of developer charges follows recommendations set out by the NSW Productivity Commission's Infrastructure Contributions Review. IPART's 2018 developer charges determination requires Hunter Water to identify water and wastewater servicing areas and produce DSPs for each.

Community Consultation

Currently on exhibition with submissions to be received by Hunter Water prior to 5pm Friday 7 July 2023.

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Ref: EF14/63

21 June 2023

Hunter Water
PO Box 5171
HRMC NSW 2310

Dear Sir/Madam,

RE: SUBMISSION ON THE EXHIBITION OF PROPOSED HUNTER WATER CORPORATION DEVELOPER CHARGES

We understand that Hunter Water Corporation (HWC) is proposing the staged introduction of Development Servicing Plans (DSPs), commencing on the 1st July 2023. The proposed DSPs were placed on public exhibition on Friday 28th April 2023 with a closing date of Friday July 7th 2023. Dungog Shire Council provide this submission in response to the exhibited DSPs.

1.0 BACKGROUND ON HUNTER WATER CORPORATION DEVELOPMENT SERVICING PLANS

We understand that HWC previously utilised DSPs as a mechanism to fund head-works infrastructure within their network. A NSW ministerial direction in 2008 required HWC and Sydney Water to set the amount that developers were required to contribute to water and wastewater infrastructure to zero (for developments within utilities' growth plans). Since 2008, without DSPs in place, HWC have continued to perform strongly, maintaining healthy profits and paying over $500,000,000 dollars in dividends to NSW treasury as shown in **Table 1**.

Year	Dividend to NSW Treasury
2009	$ 30,400,000
2010	$ 34,100,000
2011	$ 16,600,000
2012	$ 20,820,000
2013	$ 15,600,000
2014	$ 36,000,000
2015	$ 21,300,000
2016	$ 37,300,000
2017	$ 41,600,000
2018	$ 43,200,000
2019	$ 144,400,000
2020	$ 32,900,000

2021	$	26,900,000
2022	$	27,200,000
TOTAL	**$**	**528,320,000**

Table 1: HWC Annual Dividend to NSW Treasury

In the same time period, HWC have introduced their *Annual Growth Plans* and their *Funding and Delivery of Growth Infrastructure Standard*. Under the Growth Plan and Funding of Growth Standard the following has been achieved;

- Proposed development fronts have been clearly identified based on objective approvals and connections data.
- Developers have been reimbursed for delivering connecting and upsized water & sewer infrastructure.

Based on the above it is clear that without DSPs in place, HWC have;

- **Maintained profitability**
- **Paid healthy dividends to the State Government**
- **Enabled development**
- **Reimbursed developers for construction of network assets**

2.0 PROPOSED REINTRODUCTION OF HUNTER WATER CORPORATION DEVELOPMENT SERVICING PLANS

We understand that the proposed reintroduction of DSPs is the result of the NSW Productivity Commission's 2020 review of Infrastructure Contributions. Recommendation 5.5 of the review relates to reintroduction of DSPs. The recommendation is one of 29 and reads as per **Table 2**;

Recommendations: State infrastructure contributions	Agency	Timing
5.5: Phase in metropolitan water charges for more efficient delivery of water infrastructure	Treasurer	Phased reintroduction from 2022.
i. Rescind the 2008 Section 18 Direction that approved zero developer charges for water, wastewater and stormwater services for Sydney Water and Hunter Water.	Sydney Water	
ii. Direct Sydney Water and Hunter Water to reintroduce water charges and include provision for: ▪ the approach to phase-in, and ▪ exemptions for development completed prior to 1 July 2026.	Hunter Water	
iii. Establish a service level agreement for Sydney Water and Hunter Water for expenditure of water charges funding.		

Table 2: Excerpt of NSW Productivity Commissioner's Review of Infrastructure Contributions Table 7.1

In his covering letter to the review, the productivity commissioner stated the following;

> *"The Review found that the current infrastructure contributions system is not fully enabling the State and councils to provide the infrastructure required to support development. Previous attempts at reform have resulted in a system that is overly complex, unpredictable, and imposes undue administration costs. Moreover, contributions collect only a small proportion of the required funding and fails to deliver services in a timely and coordinated way. Property prices are high and can rise substantially in the lead up to, and following, rezoning, which adds to the cost of land acquisition. The result is reduced housing supply, insufficient business capacity, and poorer levels of service for some communities.*

Piecemeal changes to the contributions system, applied over many years, have resulted in a build-up of ad hoc measures. This has led to an opaque system with higher costs, less certainty, and weak price signals. It has forced communities to accept some combination of fewer services, more expensive housing, lower expenditure, higher taxation, or more borrowing. This holistic review is therefore timely and sets out a system that is transparent, certain, efficient, and consistent."

The need for a holistic review to infrastructure contributions reform is clearly identified and is underpinned by Recommendation 7.1 which requires the immediate creation of an Implementation of a Steering Committee to oversee the holistic implementation of the recommendations as outlined in **Table 3**;

Recommendation: Implementation	Agency	Timing
7.1: Strong governance to guide implementation Establish an Implementation Steering Committee to oversee implementation of the reforms.	Department of Planning, Industry and Environment	Immediate

Table 3: Excerpt of NSW Productivity Commissioner's Review of Infrastructure Contributions Table 7.1

3.0 OPPOSITION TO THE NSW PRODUCTIVITY COMMISSIONER'S PROPOSED INFRASTRUCTURE CONTRIBUTIONS REFORMS

Local Government NSW (LGNSW) and a majority of councils across NSW were concerned that Councils would be left worse off as a result of the proposed infrastructure contributions reforms.

The NSW Government confirmed on the 29th of September 2022 that legislation before Parliament (at the time) to introduce the reforms would not be progressed.

However, two items within the review's recommendations have been progressed exclusive of the holistic infrastructure contributions reform and without the recommended steering committee to provide strong governance as follows;

1. On Wednesday 19th October 2022, (then) NSW Treasurer Matt Kean wrote to HWC to approve the gradual phase-in water, sewerage and stormwater developer charges commencing 1 July 2023.

2. On Tuesday 23rd May 2023, the Environmental Planning and Assessment Amendment (Housing and Productivity Contributions) Bill 2023 was introduced to Parliament. The contribution will relate to NSW Government infrastructure including; active transport, transport, education, health, emergency, justice, open space and conservation.

The two items listed above address Recommendation 5.1 and 5.5 of the Review but leave 27 Recommendations unaddressed.

We contend that the approach outlined above is a prolongation of the historical piecemeal approach identified by the Productivity Commissioner that has resulted in a "*build-up of ad hoc measures leading to an opaque system with higher costs, less certainty, and weak price signals. It has forced communities to accept some combination of fewer services, more expensive housing, lower expenditure, higher taxation, or more borrowing*".

4.0 PROPOSED DEVELOPER SERVICES PLAN CHARGES

The proposed Developer Services Plan charges for each water and wastewater plan are outlined in **Table 4** and **Table 5** respectively. The DSP charges are listed in order from highest charge to lowest charge with plans relevant to the Dungog Shire Local Government Area highlighted green.

Item	Description	Amount per New Dwelling
W.8	Kings Hill	$ 8,694
W.6	Cessnock	$ 4,881
W.2	Nelson Bay	$ 3,549
W.3	Maitland & Branxton	$ 2,705
W.5	Dungog & Chichester	$ 2,511
W.4	South Wallsend & West Lake Mac	$ 2,480
W.9	Lemon Tree Passage	$ 2,387
W.7	Raymond Terrace & Medowie	$ 2,095
W.1	Newcastle & East Lake Mac.	$ 1,040

Table 4: Proposed HWC DSP Water Charges Per New Dwelling

Item	Description	Amount per New Dwelling
S.11	Karuah	$ 20,542
S.16	Paxton	$ 17,593
S.8	Dungog	$ 13,803
S.13	Kings Hill	$ 11,902
S.17	Raymond Terrace	$ 10,371
S.3	Branxton	$ 9,895
S.19	Tanilba Bay	$ 8,189
S.7	Dora Creek	$ 7,878
S.20	Toronto	$ 7,605
S.12	Kearsley	$ 7,463
S.6	Clarence Town	$ 6,210
S.9	Edgeworth	$ 4,856
S.2	Boulder Bay	$ 4,753
S.1	Belmont	$ 4,568
S.15	Morpeth	$ 3,710
S.14	Kurri Kurri	$ 3,624
S.18	Shortland	$ 3,487
S.5	Cessnock	$ 2,813
S.10	Farley	$ 2,086
S.4	Burwood Beach	$ -

Table 5: Proposed HWC DSP Wastewater Charges Per New Dwelling

We consider that because the DSP charges will be applied across HWC's area of operations, they will inflate the regional market and be added to the cost of a new lot or dwelling.

We understand that the additional revenue generated by the Development Servicing Plans is intended to cover the cost of future Operational Expenditure (OPEX) and Capital

Expenditure (CAPEX) related to infrastructure required for population growth and new development.

It can be calculated from the exhibited material that in the 30 years to FY2052 the Development Servicing Plans will generate;

$2,350,267,000 in Future Revenue
$1,178,858,000 in Future Operational & Maintenance Cost
$1,171,409,000 in Future Capital Works Cost (inferred)

We understand that the additional $2.35B generated by the DSPs would be utilised for OPEX and CAPEX cost in lieu of funds from consolidated revenue (largely attributed to existing user rates), as is the current approach. The introduction of the DSPs should see a reduction in existing user rates totalling $2.35B. Should this not be the case it is clear that the funds generated by the DSPs will be added to HWC's profit margin and the dividend paid to NSW Treasury as outlined in **Section 1.0**.

It is noted that HWC's April 2023 Developer Charges Fact Sheet states;

> *"We have modelled possible future customer bills with and without developer charges. Our analysis of the phased re-introduction of developer charges shows a bill saving for existing customers of about $20 per year from 2025."*

As outlined in **Section 2.0**, the reintroduction of the DSPs was instigated by the Productivity Commissioner's Infrastructure Contributions Review whose purpose was to "*enable more efficient development and support housing affordability*".

5.0 EFFECT ON THE SHIRE OF DUNGOG

The average exhibited DSP charges across HWC's areas of operations in the Hunter are as follows;

- Water $3,371
- Wastewater $7,567
  Combined $10,939

Residents in Dungog for example will be forced to pay **$16,314** per new lot or dwelling, 49% higher than the average.

Dungog is in the HWC drinking water catchment, as such new development in Dungog Shire is also required by HWC to abide by the Nil or Beneficial Effect on Water Quality (NorBE) approach rather than the less stringent Percentage Reduction Target method applied in non-drinking water catchments. The NorBE approach will typically add 50% to the size of stormwater management infrastructure[1].

Between HWC's drinking catchment water quality standards and the proposed reintroduction of developer charges, the cost to new development in Dungog with regard to DSP charges and stormwater management is approximately 50% greater than average the development in the Hunter Region. We consider that the reintroduction of developer charges further disincentivises development in the Shire of Dungog. Consequently, this will not enable Dungog to meet governments mandate on housing supply whilst addressing social and affordability housing provision.

[1] ADW Johnson review of infrastructure order of magnitude costings associated with either NorBE or Percentage Reduction Target approach for water quality in drinking water catchments.

6.0 CONCLUSION

In conclusion, Dungog Shire Council notes the following;

- Hunter Water Corporation (HWC) is proposing the staged introduction of Development Servicing Plans (DSPs), commencing 1st July 2023 as a result of recommendations made in the NSW Productivity Commissioner's 2020 Review of Infrastructure Contributions.
- The NSW Government confirmed on the 29th of September 2022 that legislation before Parliament to introduce reforms subject of the Infrastructure Contributions Review would not be progressed.
- (Then) NSW Treasurer Matt Kean wrote to HWC on Wednesday 19th October 2022 to approve the gradual phase-in of water, sewerage and stormwater developer charges commencing 1 July 2023.
- HWC set developer charges to $0 as a result of a Ministerial Direction in 2008.
- Since 2008, HWC have:
    - Paid for capital works upgrades out of consolidated revenue.
    - Paid $528,320,000 in dividends to NSW Treasury.
    - Introduced their *Annual Growth Plans* and their *Funding and Delivery of Growth Infrastructure Standard* under which development has proceeded smoothly and developers have been reimbursed for delivering connecting and upsized water & sewer infrastructure.

- The Proposed developer charges will;
    - Generate $2,350,267,000 in future revenue.
    - Potentially lead to a bill saving for existing customers of about $20 per year.

- Should the bill saving not be passed on, the future revenue would be added to HWC's profit margin and the dividend paid to NSW Treasury
- The average exhibited DSP charges per new lot or dwelling for HWC's area of operations are as follows;

    - Water $3,371
    - Wastewater $7,567
      Combined $10,939

- Developers in Dungog Shire will be forced to pay $16,314 per new lot or dwelling, 49% higher than the average.

- New development in Dungog is also required by HWC to abide by the Nil or Beneficial Effect on Water Quality (NorBE) approach as it is in the drinking water catchment. The NorBE approach will typically add 50% to the size of stormwater management infrastructure.

Dungog Shire Council considers that adding $16,314 to the cost of a new lot or dwelling for the benefit of reducing the bills of existing homeowners by $20 per year does not meet the Productivity Commissioners objectives and is considered unreasonable during the current Housing Affordability Crisis. Further, the amount of developer charges above the regional average disincentivises development in the Dungog Shire, especially when considered in conjunction with the existing drinking water catchment requirements

Furthermore, It is unclear from the exhibited material and with respect to the listed suburbs from within each DSP, that if development were to occur outside

of these suburbs, the developer charge would not apply. In effect the principle is 'user pays' so developer charges could apply LGA wide. This should be confirmed by HWC.

Yours faithfully,

Trevor Ryan
Director Planning & Environment

Water Development Servicing Plan

W.5 Dungog and Chichester Water Zone DSP

DRAFT AS OF APRIL 2023

hunterwater.com.au

HUNTER WATER

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EXECUTIVE SUMMARY

This Draft Development Servicing Plan (Draft DSP) sets out the proposed price for connecting a new development to **Dungog and Chichester Water Zone**

The draft prices have been prepared using the method set by the Independent Pricing and Regulatory Tribunal's (IPART) in their 2018 Determination (IPART 2018 Determination)

Using the methodology in the 2018 Determination, the maximum price for **Dungog and Chichester Water Zone** is **$2,511** ($2022-23) per Equivalent Tenement (ET). One ET represents the average billing of a single standalone residential dwelling. The charge will be adjusted each year based on movements in the Consumer Price Index (CPI), with the first adjustment to apply from July 2023

Each DSP contains information about the geographical area covered by the system, estimates of future capital expenditure and operating costs, demographic assumptions, and documents the planning information relevant to that system.

The NSW Government has directed that developer charges will remain at 0% ($0) for financial year 2023-24, before a phased reintroduction at 25% in financial year 2024-25, 50% in financial year 2025-26, prior to full reintroduction from financial year 2026-27 onwards.

GLOSSARY

ABS	Australian Bureau of Statistics
Annual Demand	Estimated total annual water consumption
CPI	Consumer Price Index (All Groups) index for the weighted average of eight capital cities as published by the ABS
Developer	Any person(s) who intends to subdivide land and/or undertake works that may place demand on water and/or sewer systems
DSP	Development Servicing Plan
ET	An Equivalent Tenement (ET) is the unit of measure used to quantify the demand or loading on water or wastewater systems respectively. One ET represents the average billing of a single dwelling.
Headworks – Water	Infrastructure comprising a system of dams, major storage reservoirs, Water Treatment Plant (WTP) and bulk water supply
IPART	Independent Pricing & Regulatory Tribunal
KL/d	Kilolitres per day
Lead-in	A main that passes through lands other than the subject land which may be subdivided and/or developed
MEERA	Modern Equivalent Engineering Replacement Asset – means an asset value calculated on the basis that the asset is constructed at the time of valuation in accordance with modern engineering practice and the most economically viable technologies, which provides similar utility functions to the existing asset in service.
ML/d	Megalitres per day
NPV	Net Present Value; the summation of future expenditures / incomes expressed in today's dollars taking account the impact of financing costs due to interest rates
Reticulation	Local supply pipes providing water and sewer services to individual properties
Rising Main	A pipeline that is pressurized to transport sewage to a higher level
System	The integration of infrastructure assets into a network to service an area or catchment
WPS	Water Pumping Station
WTP	Water Treatment Plant
WWPS	Wastewater Pumping Station
WWTW	Waste Water Treatment Works

DEVELOPER CHARGES AND EQUIVALENT TENAMENTS

Calculation of the Developer Charge

What methodology is used to determine the value of developer charges?

IPART's 2018 Determination of developer charges sets the methodology that Hunter Water must follow when calculating a maximum price (charge) for each Developer Servicing Plan (DSP) area. (see IPART 2018 Determination).

The developer charge is calculated on a per Equivalent Tenement (ET) basis. One ET is equal to the estimated demand of a typical residential standalone dwelling. Each DSP area includes a developer charge for water and wastewater separately.

The methodology comprises two main components:

- The Capital Charge

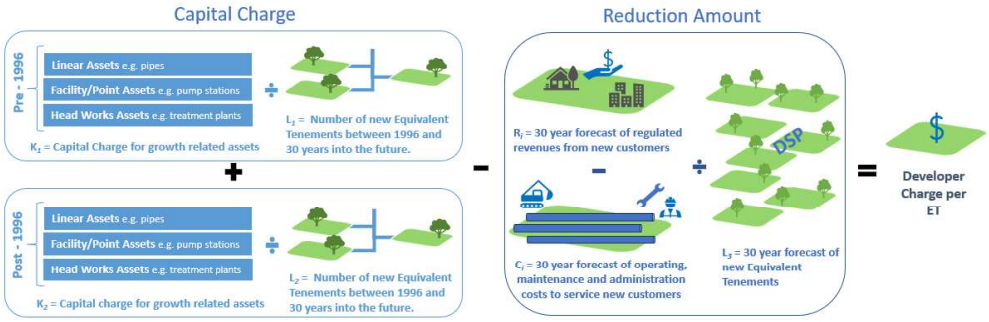
The present value of the capital cost of assets used to service growth in the DSP area. This relates to both existing and future assets.

- The Reduction Amount

The present value of future periodic revenues less location-specific operating costs related to new customers. This is forecast over a 30-year period.

The calculation is summarised in the below ***Figure 1***.

In Each DSP Area:



Note:

K_1, K_2, R_i, C_i, L_1, L_2 and L_3 represent each component of IPARTs formula on pages 5 and 6 of the 2018 Determination.
Pre-1996 assets are those commissioned between 1 January 1970 and 31 December 1995.
Post-1996 assets include those commissioned after 1 January 1996, plus a forecast of future uncommissioned assets.

The total charge payable by any given development depends on the assessed number of ETs in that development. The underlying net present value method ensures that, all else being equal, the price paid by each new connection will be the same regardless of when the connection occurs.

DEVELOPMENT SERVICING PLAN (DSP): SUMMARY

Plan name and Purpose

This plan is called the "Dungog and Chichester Water Zone Development Servicing Plan" (W.5)

The purpose of this plan is to identify the demand for facilities and services as a result of development, and to provide those services and facilities (or equivalent) through developer contributions. The services and facilities included in this plan are only those provided through Hunter Water Corporation and not those provided by other authorities.

Summary of Contents

This DSP details the developer charges within Dungog and Chichester Water Zone. The service area is shown in Figure 1. Dungog and Chichester Water Development Servicing Plan covers approximately 451.3 square km. This DSP supersedes all prior determinations.

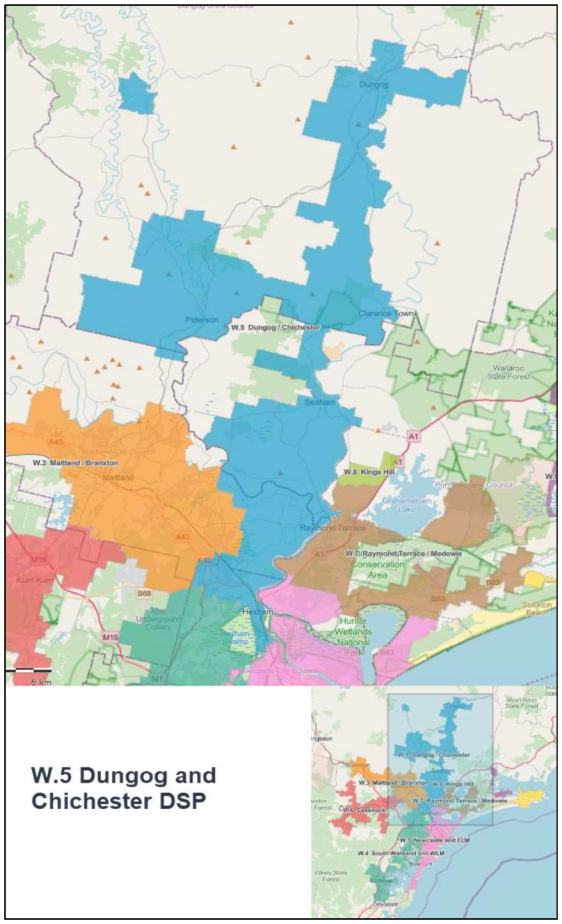


Figure 2 – Dungog and Chichester Water Zone DSP

Area Covered

The Suburbs within this DSP are: Alison; Balickera; Bendolba; Brandy Hill; Brookfield; Butterwick; Cambra; Clarence Town; Duckenfield; Dungog; Duns Creek; East Gresford; East Seaham; Flat Tops; Fosterton; Glen Oak; Glen William; Gresford; Hanleys Creek; Hilldale; Marshdale; Martins Creek; Nelsons Plains; Osterley; Paterson; part of Beresfield; part of Berry Park; part of Black Hill; part of Eagleton; part of Hexham; part of Hinton; part of Millers Forest; part of Mindaribba; part of Morpeth; part of Phoenix Park; part of Sandgate; part of Tarro; part of Thornton; part of Woodberry; part of Woodville; Rosebrook; Seaham; Stroud Hill; Sugarloaf; Tabbil Creek; Tocal; Vacy; Wallalong; Wallaringa; Wallarobba; Webbers Creek; Wirragulla

Relationship to other plans

Each site will have two developer charges applicable – one for water and another for wastewater. Developers will need to refer to Hunter Water's website to identify which DSPs are applicable to their development.

Determination of DSP area

How has the DSP area been determined?

The DSP area for Dungog and Chichester was determined based on the areas serviced by the Dungog and Chichester water supply zone.

This is in accordance with Hunter Water's criteria for defining system catchment boundaries. Below details the formal guidelines used to define the extent of system catchment/supply zones for use in Development Servicing Plans and developer charge calculations.

Determining Water DSP Criteria

Headworks

The system catchment boundary for water resources assets delineates the area serviced by the water storages (dams and groundwater assets) and water treatment/delivery assets. Where the management, operation and upgrading of separate water resources assets are determined by their interconnection downstream, then the system catchment boundary for each area is combined.

Water Distribution

The system catchment boundary for water distribution assets that control the water pressure (hydraulics or head) in the area ("the zone"). These assets are typically water pumping stations, automatic inlet valved associated with major reservoirs as well as zone valves that are closed in the system.

Areas served from these major distribution assets via small pumping stations, high level tanks and pressure reducing valves are amalgamated with their associated larger system areas.

Appendix A shows the assets included in the DSP area.

DEVELOPMENT SERVICING PLAN (DSP): PLANNING PROFILE

Boundary and Location

The Dungog and Chichester Water DSP area encompasses areas supplied directly from the Chichester Gravity Main which includes Seaham, Wallalong, Hinton, Nelsons Plains, Millers Forest, Morpeth, Tarro, Beresfield, Woodbery and Hexam. The Dungog Chichester DSP is mostly within Dungog Shire Council Local Government Area (LGA) with towns to the south located in Port Stephens Council LGA and Beresfield located in Maitland City Council LGA.

Current Population and Equivalent Tenement

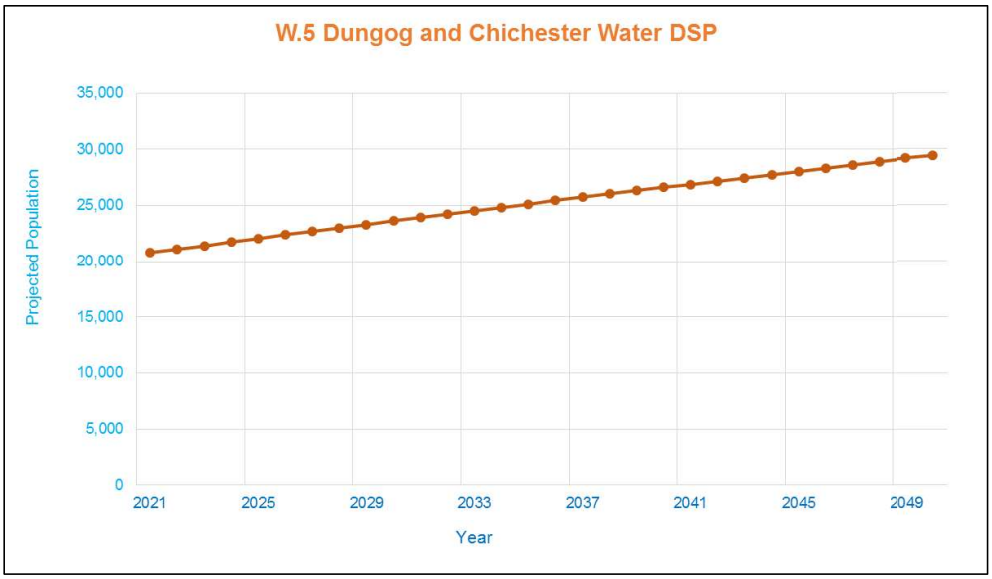
The total permanent population of the area in 2023 is estimated at: 20,805 which represents 3.31% of the total population of the Hunter Water servicing area.

An Equivalent Tenement (ET) is the unit of measure used to quantify the demand or loading on water or wastewater systems respectively. One ET represents the average billing of a single standalone residential dwelling.

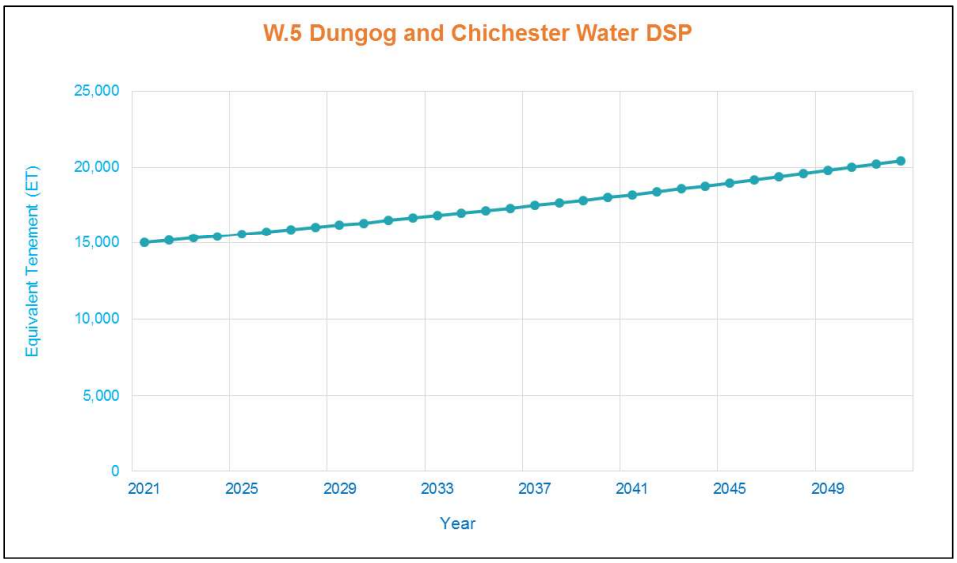
There are approximately 15,304 ET in 2023 connected to the Dungog and Chichester Water Zone.

Projected Population and Equivalent Tenement

The projected total permanent population in the Dungog and Chichester Water Zone in 2052 is 29,423 (3.27% of the total population of Hunter Water's servicing area).



The projected Equivalent Tenements (ET) in the Dungog and Chichester Water Zone in 2052 is 20,414 ETs.



Standards of Service

The standards of service to be provided to customers in the DSP Area are as per the following Licence, Standards and Charters:-

- **Hunter Water Corporation Operating Licence**
- **Hunter Water Corporation Customer Contract**

System design and operation is based on providing standards of service relative to:-

Water Supply

- Drinking Water Quality: Under its operating licence, Hunter Water is required to maintain and fully implement a Drinking Water Quality Management System that is consistent with the National Health and Medical Research Council (NHMRC) Australian Drinking Water Guidelines.
- Hunter Water integrated editions of the Water Services Associated of Australia (WSAA) design and construction guidelines (WSA 03 - Water Supply Code of Australia)
- Water Pumping Stations Design Manual (link)

DEVELOPMENT SERVICING PLAN (DSP): ASSET PROFILE

Assets included in the DSP Charge

In accordance with the 2018 Determination, the developer charge calculation includes all water and wastewater assets that Hunter Water has funded or will fund to provide services to new development.

'Assets' means all assets or parts of assets (including headworks), apart from 'Excluded Assets', allocated to a DSP where there is a nexus (close connection) to the Development they are intended to serve and includes assets that:

a) were commissioned prior to the Commencement Date;
b) were commissioned after the Commencement Date but before the Development commenced; and
c) are commissioned, or are to be commissioned, after the Development commences.

'Excluded Assets' means and assets:

d) that part of an asset provided for a reason other than to service a growth area;
e) that part of an asset that services other DSP Areas;
f) the capacity of an asset that was made available by changes in land use patterns, or by changes in average demand;
g) any asset or part of an asset that was unreasonably oversized relative to system and capacity requirements, based on available demographic data at the time it was commissioned;
h) any Pre-1970 Assets; and
i) any asset or part of an asset funded by Developers and transferred free of charge to the Agency.

The timing of existing assets contributing to the DSP has been sourced from Hunter Water's Fixed Assets Register. Proposed future assets have been sourced from Servicing Strategy Reports and reconciled with Hunter Water's Capital Works Program.

Summary of Completed Works in the DSP

Table 1 provides a summary of the completed Hunter Water Corporation funded works within the Dungog and Chichester Water DSP. Hunter Water's financial, developer and geographic information systems were used to identify works that have been constructed to provide a benefit to future development. Additional details of the items including the historical costs and the actual date of works are shown in Appendix A.

DSP Name	Asset Type	Total MEERA Cost ($2020-21)*	
W.5 Dungog and Chichester	Completed Point Assets	$	14,988,348
	Completed Linear Assets	$	7,947,327
	TOTAL	$	22,935,675

*Note: only the percentage attributable to growth has been added to the developer charge model.

Proposed Future Assets

The 2018 Determination allows Hunter Water to recover the cost of assets that are yet to be constructed and which are identified as being necessary to service future development. HWC's Capital Works Program database and Funding of Growth portfolio was referenced to identify the Future Works for each DSP area. Additional details of the items including the historical costs and the actual date of works are shown in Appendix A.

Hunter Water reserves the right to alter the scope and timing of the proposed future works, which are subject to ongoing review. Altered growth patterns and development profiles, changes to land-use zoning and other market conditions influence the location of development, and as a result Hunter Water may alter the proposed schedule of works in order to provide an optimal and cost-efficient service. All land developers are advised to contact Hunter Water to determine the nearest point of service connection.

Connecting Asset Funding (*formerly Funding of Growth Infrastructure*) – Completed Assets

Since the introduction of the Funding of Growth Infrastructure Standard in 2018 Hunter Water has entered commercial agreements with developers to deliver a range of water and sewer infrastructure supporting growth.

The value of the completed assets under the Standard have been included in the developer charge calculation using the GIS spatial model and accordingly their value will be recovered within the relevant DSP area they serve.

Connecting Asset Funding (*formerly Funding of Growth Infrastructure*) – Future Assets

A number of portfolio allowances have been made in anticipation of investments Hunter Water may need to make to support developer delivered connecting infrastructure under the Connecting Asset Funding (*formerly Funding of Growth Infrastructure*) Standard.

Hunter Water has reviewed the known approved water and wastewater servicing strategies prepared by developers and assessed whether some of the resulting assets may qualify under the Standard to be funded by Hunter Water and delivered by the development community. Such assets are included in the developer charge model with the associated lots served.

Where Hunter Water has received a Preliminary Servicing Application and has forward visibility of a likely development requiring support for connecting infrastructure, an allowance has been made in the forward program to allow such assets to be considered for developer design and construction within a 10-year window from 1 July 2023.

It is anticipated that each 5-year review Hunter Water will re-assess which assets were delivered, have changed delivery timing or value, and include final asset values in the developer charge model.

Summary of Future Works in the DSP

Table 2 provides a summary of the future Hunter Water Corporation funded works within the Dungog and Chichester Water DSP. Hunter Water's financial, developer and geographic information systems were used to identify works that will be constructed to provide a benefit to future development. Additional details of the items including the costs and the forecast date of works are shown in Appendix A.

DSP Name	Asset Type	Total MEERA Cost ($2020-21)*
W.5 Dungog and Chichester	Future Point Assets	
	Future Linear Assets	
	Connecting Asset Funding*	
	Future Connecting Asset Funding*	$ 1,500,000
	TOTAL	$ 1,500,000

*Note: only the percentage of the capital program attributable to growth has been added to the developer charge model

Headworks

The water supply headworks system delivers water to the water supply delivery systems. Headwork charges are therefore applicable to all water DSPs excluding Lemon Tree Passage and Karuah.

Assets included in the headwork calculation are summarised below:

- Major Sources – Chichester Dam, Grahamstown Dam, Tomago and Tomaree Sandbeds.
- Raw water system – CTGM from Chichester Dam to Dungog WTP, George Schroder pumping station and pipework, raw water reservoir to Grahamstown WTP, Tomago Sandbeds pipework to Grahamstown and Tomago WTP.
- Water Treatment Plants – Dungog WTP, Grahamstown WTP, Anna Bay and Glovers Hill WTP's.
- Bulk distribution system – transfer main from CTGM, transfer main from Grahamstown WTP to Newcastle, Central Coast Transfer (sections which were funded by Hunter Water), reservoirs and WPS which are considered as part of the Bulk distribution system.
- Lower Hunter Water Security Plan Investment (related to growth)

List of headworks assets are provided in Appendix A.

CALCULATION AND FINANCIAL INFORMATION

Reduction Amount

Revenues

Future periodic revenues have been forecast using charges in Hunter Water's prevailing periodic price determination. This determination was released in June 2020 with prices set until 30 June 2024. Revenues after this date are kept constant per ET at the 2024 financial year rate.

Table 3 provides a summary of charges and the overall revenues per ET used in calculations.

TABLE 3: PERIODIC CHARGES AND REVENUE PER ET

Revenue per ET $20-21	2022-23	2023-24 +	
Single Residential	24.26	24.26	Base water service charge
	181 * 2.51	181 * 2.54	Water usage charge x 181kL demand
	478.57	484.00	Water revenue per ET

Periodic revenues include a fixed and usage component, based on both volumetric demand and the type and size of connections to the system. Due to Hunter Water valuing ETs based on bill size, revenue per ET is the same amongst all customer types. Consumption of a customer in different customer classes is recognised in the actual value of the ET.

In Table 3, the average water consumption of an ET is 181kL per year.

Appendix B details the future periodic revenues expected to be received from new customers each financial year.

Operating Costs

Water operating costs per ET are common across all DSP areas except for Lemon Tree Passage and Karuah. This area is assigned a specific treatment cost per ET, unique from a system wide water treatment cost per ET assigned to all other areas. A system wide average cost per ET related to operations, transport and miscellaneous applies to all areas including Lemon Tree Passage and Karuah.

This method is used because:

- Hunter Water's bulk water system is heavily interconnected. Bulk water from Chichester or Grahamstown can be supplied to most customers across the area of operations.
- Lemon Tree Passage and Karuah are considered independent from this supply system. Water from Lemon Tree Passage Water Treatment Plant (WTP) can only be used in that DSP area. The Lemon Tree Passage DSP area cannot receive water from any other WTP.
- Water network pumping and chemical costs do not differ materially across the various water zones.

Indexation

All input costs included in the Maximum Price are in Real Terms - $2020-21.

The Maximum Price in Table 4 is indexed to $2022-23. The applied index of 1.128 reflects actual inflation for the year to June 2022 of 6.14%, and an estimate of inflation for the year to June 2023 of 6.25%. This estimate will be updated with the actual year to March 2023 inflation once released in April 2023.

The Maximum Price in $2022-23 will then be adjusted for inflation by the CPI multiplier outlined in Schedule 6 of the 2018 Determination. The first CPI multiplier will apply to prices from 1 July 2023 and will reflect the year to March 2023 inflation.

In line with the 2018 Determination the following discount rates have been used to calculate present values:

- Hunter Water has applied r_1 of 3.0%.

This converts pre 1996 commissioned assets and ETs for these assets to present values.

- Hunter water has applied r_2 of 4.2%. This is the pre-tax WACC in the Final Report that accompanies Hunter Water's prevailing periodic price determination.

This converts post 1996 commissioned assets, uncommissioned assets, the reduction amount and ETs related to these, to present values.

Maximum Price

A single water developer charge applies to all customers in the DSP area. This is detailed in Table 4.

Each site will have two developer charges applicable – one for water and another for wastewater. Developers will need to refer to Hunter Water's website to identify which DSPs are applicable to their development.

Dungog and Chichester		
W.5		
Calculation Components		
Capital Charges Pre 1996 Assets ($2020-21)	$	811
Capital Charges Post 1996 Assets ($2020-21)	$	1,467
Headwork Charges ($2020-21)	$	3,152
Reduction Amount($2020-21)	$	3,203
Developer Charge($2020-21)	$	2,226
Developer Charge($2022-23)	$	2,511

REFERENCES & RESOURCES

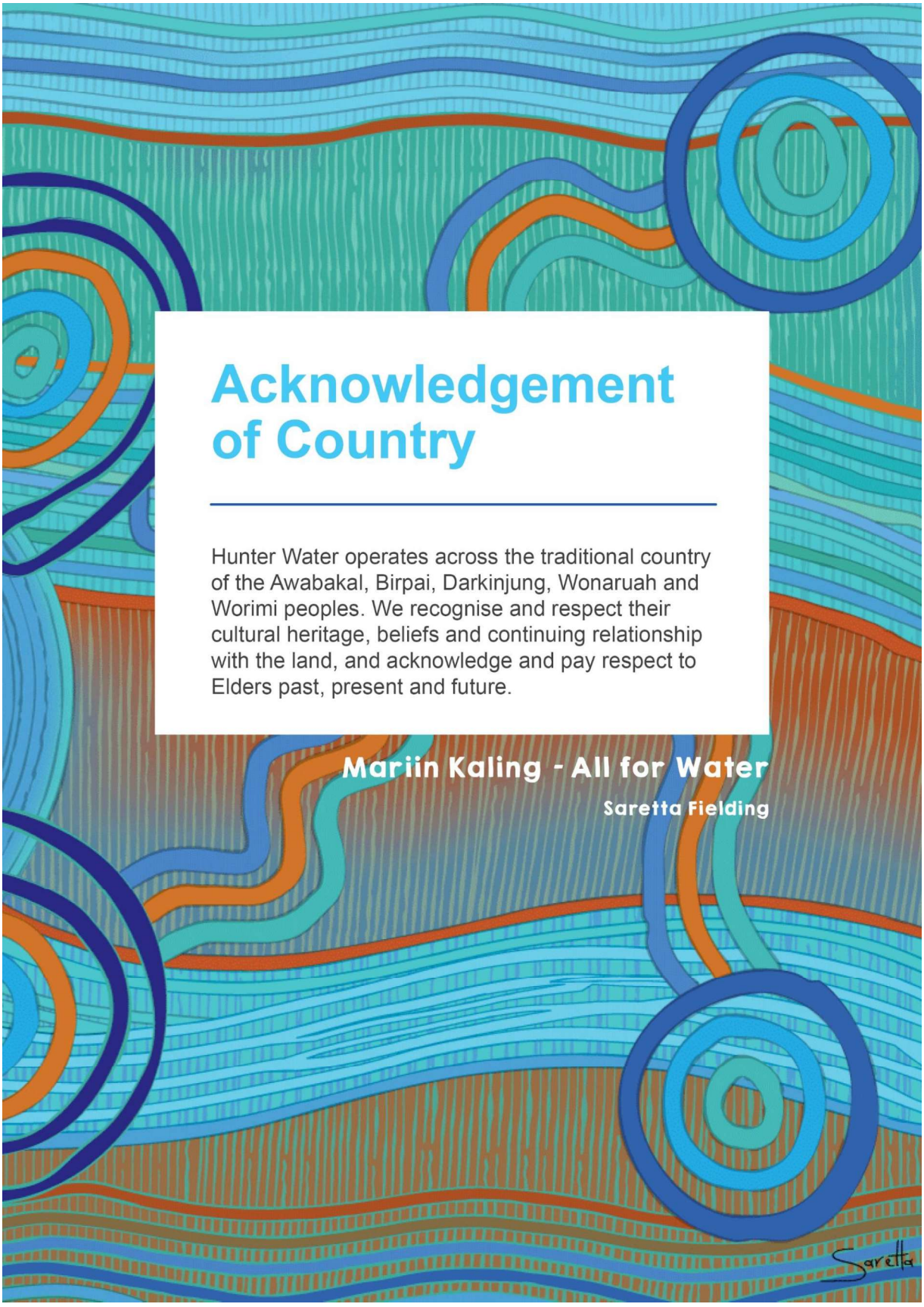
1. IPART Final Determination - Maximum prices for connecting, or upgrading a connection, to a water supply, sewerage, or drainage system - October 2018 (Link)
2. IPART Final Report - Maximum prices to connect, extend or upgrade a service for metropolitan water agencies - October 2018 (Link)
3. IPART Maximum Price Calculation Template (Link)
4. IPART Calculation example spreadsheet - developer charge clarification (Link)

LIST OF APPENDICES

1. Appendix A - List of Completed and Future Assets in DSP
2. Appendix B - Future Revenues and Operating Costs

APPENDIX B – FUTURE REVENUES AND OPERATING COSTS

Financial year	Future periodic revenues $20-21 (000)	Future operating, maintenance and administration costs $20-21 (000)
Present Value	16,953	7,536
FY 2023	67	29
FY 2024	136	57
FY 2025	205	85
FY 2026	276	117
FY 2027	348	148
FY 2028	420	188
FY 2029	494	219
FY 2030	569	255
FY 2031	645	288
FY 2032	723	322
FY 2033	801	356
FY 2034	881	391
FY 2035	962	426
FY 2036	1,044	461
FY 2037	1,127	497
FY 2038	1,212	534
FY 2039	1,298	568
FY 2040	1,385	605
FY 2041	1,473	643
FY 2042	1,563	681
FY 2043	1,655	720
FY 2044	1,747	759
FY 2045	1,841	799
FY 2046	1,937	892
FY 2047	2,034	935
FY 2048	2,132	978
FY 2049	2,232	1,021
FY 2050	2,333	1,065
FY 2051	2,436	1,110
FY 2052	2,541	1,155


Acknowledgement of Country
Hunter Water operates across the traditional country of the Awabakal, Birpai, Darkinjung, Wonaruah and Worimi peoples. We recognise and respect their cultural heritage, beliefs and continuing relationship with the land, and acknowledge and pay respect to Elders past, present and future.
Mariin Kaling - All for Water
Saretta Fielding

W.5 Dungog and Chichester Water DSP

Appendix A: List of Completed and Future Assets

This document contains the description of all assets included in the DSP area including details relating to the size, length and date of commissioning of existing and future assets. The value of assets for commissioned assets was determined using a Modern Engineering Equivalent Replacement Asset (MEERA) approach as required by IPART. Future Assets are estimated at efficient cost as required by IPART. All costs quoted in asset lists are in $2020-21.

These Assets have been grouped by:

Future Assets including:
- Future Linear Assets
- Future Point Assets
- Future 'Connecting Asset Funding (CAF) Assets' *(formerly known as Funding of Growth)*

Completed Assets including:
- Completed Point Assets
- Completed 'Connecting Asset Funding (CAF) Assets' *(formerly known as Funding of Growth)*

Completed Linear Assets

Completed and Future Headworks Assets

How to read each column:

DSP Name	Ref. Number	Project Name/Asset Desciption	Pipe Diameter	Year	Unit Cost	Pipe Length	MEERA/Cost
Name of DSP/Area covered	Unique DSP Reference Number	Descripes the Project / type of asset / supply zone	Describes the pipe diameter in millimetres	Describes the year in which the asset has been commissioned/ is anticipated to be commissioned	Describes the unit cost per meter	Describes the length in metres of the asset	Describes the Modern Engineering Equivalent Replacement Asset (MEERA) value * length
e.g Newcastle	*e.g W.1*	*e.g pump station / gravity main*	*e.g 200mm*	*e.g. 2020*	*e.g. $190/m*	*e.g. 10m*	*e.g $190,000*

** For further information about the geographical area covered by the system, estimates of future capital expenditure and operating costs, demographic assumptions, and planning information relevant to that system, please refer to the accompanying DSP document.*

Future Assets

The 2018 Determination allows Hunter Water to recover the cost of assets that are yet to be constructed and which are identified as being necessary to service future development. HWC's Capital Works Program database and Funding of Growth portfolio was referenced to identify the Future Works for each DSP area.

A number of portfolio allowances have been made in anticipation of investments Hunter Water may need to make to support developer delivered connecting infrastructure under the Connecting Asset Funding (formerly Funding of Growth Infrastructure) Standard.

Hunter Water has reviewed the known approved water and wastewater servicing strategies prepared by developers and assessed whether some of the resulting assets may qualify under the Standard to be funded by Hunter Water and delivered by the development community. Such assets are included in the developer charge model with the associated lots served.

Where Hunter Water has received a Preliminary Servicing Application and has forward visibility of a likely development requiring support for connecting infrastructure, an allowance has been made in the forward program to allow such assets to be considered for developer design and construction within a 10-year window from 1 July 2023.
It is anticipated that each 5-year review Hunter Water will re-assess which assets were delivered, have changed delivery timing or value, and include final asset values in the developer charge model.

Hunter Water reserves the right to alter the scope and timing of the proposed future works, which are subject to ongoing review. Altered growth patterns and development profiles, changes to land-use zoning and other market conditions influence the location of development, and as a result Hunter Water may alter the proposed schedule of works in order to provide an optimal and cost- efficient service. All land developers are advised to contact Hunter Water to determine the nearest point of service connection.

DSP Name	DSP Ref. Number	Asset/ Project Description	Year	Cost
Dungog and Chichester	W.5	Black Hill Industrial PRV	2027	$ 1,500,000

Completed Assets

In accordance with the 2018 Determination, the infrastructure contribution calculation includes all water and wastewater assets that Hunter Water has funded to provide services to new development.

'Assets' means all assets or parts of assets (including headworks), apart from 'Excluded Assets', allocated to a DSP where there is a nexus (close connection) to the Development they are intended to serve and includes assets that:

a)were commissioned prior to the Commencement Date;
b)were commissioned after the Commencement Date but before the Development commenced; and
c)are commissioned, or are to be commissioned, after the Development commences.

Since the introduction of the Funding of Growth Infrastructure Standard in 2018 Hunter Water has entered commercial agreements with developers to deliver a range of water and sewer infrastructure supporting growth. The value of the completed assets under the Standard have been included in the developer charge calculation using the GIS spatial model and accordingly their value will be recovered within the relevant DSP area they serve.

DSP Name	DSP Ref. Number	Unit Description	Asset Description	Year	MEERA $
Dungog and Chichester	W.5	Dungog Backwash Rising Main	Dungog Backwash Rising Main	1976	$ 52,789
Dungog and Chichester	W.5	GLEN OAK 1 WPS	PUMP STATION, GLEN OAK 1	1979	$ 130
Dungog and Chichester	W.5	MARTINS CREEK 1 RESERVOIR	RESERVOIR, MARTINS CREEK 1 (BLACK ROCK)	1979	$ 157,653
Dungog and Chichester	W.5	MARTINS CREEK 2 RESERVOIR	RESERVOIR, MARTINS CREEK 1 (BLACK ROCK)	1979	$ 283,860
Dungog and Chichester	W.5	PATERSON 1 RESERVOIR	RESERVOIR, PATERSON 1	1979	$ 236,052
Dungog and Chichester	W.5	CLARENCETOWN 2 RESERVOIR (HEIGHTS)	RESERVOIR, CLARENCE TOWN 2	1981	$ 52,535
Dungog and Chichester	W.5	CLARENCETOWN 1 RESERVOIR (MAIN)	RESERVOIR, CLARENCE TOWN 1	1991	$ 274,756
Dungog and Chichester	W.5	NELSON PLAINS H.L.T.-6.1M STAND-STEEL	RESERVOIR, NELSON PLAINS 1	2004	$ 36,920
Dungog and Chichester	W.5	NELSONS PLAINS TANK - SAMPLE TAP	RESERVOIR, NELSON PLAINS 1	2004	$ 646
Dungog and Chichester	W.5	NELSON PLAINS HLT - VARIOUS WORKS	RESERVOIR, NELSON PLAINS 1	2004	$ 5,410
Dungog and Chichester	W.5	BERESFIELD PS - EMM REP 2004/05	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2006	$ 1,478
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - PUMPS	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2006	$ 14,226
Dungog and Chichester	W.5	BERESFIELD WPS PRESSURE RELIEF VALVE	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2007	$ 2,112
Dungog and Chichester	W.5	BERESFIELD 1 WPS - EMM 2007-08	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2009	$ 5,605
Dungog and Chichester	W.5	BERESFIELD 1 WPS - PUMP UNIT 1	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2009	$ 12,287
Dungog and Chichester	W.5	BERESFIELD 1 WPS - ELECTRICAL REPS	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2009	$ 28,767
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - ELECTRICAL	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2009	$ 22,936
Dungog and Chichester	W.5	GLEN OAK 1 WPS - PIT COVERS	PUMP STATION, GLEN OAK 1	2009	$ 3,969
Dungog and Chichester	W.5	GLEN OAK 1 WPS - SLAB	PUMP STATION, GLEN OAK 1	2009	$ 3,457
Dungog and Chichester	W.5	BERESFIELD WPS - ELECT - NULEC CLOSURES	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2010	$ 32,757
Dungog and Chichester	W.5	GRESFORD 1 WPS - PUMP NOISE REDUCTION	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2010	$ 13,351
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - STEEL FLOOR	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2010	$ 7,410
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - SWITCHBOARD	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2010	$ 32,886
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - CAD DRAWINGS	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2010	$ 1,211
Dungog and Chichester	W.5	GRESFORD 2 WPS - TELEMETRY	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2010	$ 29,130
Dungog and Chichester	W.5	GLEN OAK WPS - FLOWMETER	PUMP STATION, GLEN OAK 1	2010	$ 9,116
Dungog and Chichester	W.5	GLEN OAK 1 WPS - SWITCHBOARD COVER	PUMP STATION, GLEN OAK 1	2010	$ 7,367
Dungog and Chichester	W.5	GLEN OAK 1 WPS - ELECTRICAL	PUMP STATION, GLEN OAK 1	2010	$ 29,595
Dungog and Chichester	W.5	GLEN OAK 1 WPS - HIGH VOLTAGE UPGRADE	PUMP STATION, GLEN OAK 1	2010	$ 3,119
Dungog and Chichester	W.5	GLEN OAK 1 WPS - MAGFLOW METER	PUMP STATION, GLEN OAK 1	2010	$ 7,155
Dungog and Chichester	W.5	NELSONS PLAINS RESERVOIR- LEVEL SENSOR	RESERVOIR, NELSON PLAINS 1	2010	$ 3,946
Dungog and Chichester	W.5	CLARENCETOWN 1 RESERVOIR - AIV/PRV	RESERVOIR, CLARENCE TOWN 1	2010	$ 23,012
Dungog and Chichester	W.5	DUNGOG 2 RES - BURTON ST - AIV VALVE	RESERVOIR, DUNGOG 2	2010	$ 27,544
Dungog and Chichester	W.5	BERESFIELD 1 WPS - PLC	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2011	$ 1,777
Dungog and Chichester	W.5	GRESFORD 1 WPS (PATERSON) - CIVIL OTHER	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 79,560
Dungog and Chichester	W.5	GRESFORD 1 WPS (PATERSON) - P/S WELL	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 99,895
Dungog and Chichester	W.5	GRESFORD 1 WPS (PATERSON) - ACCESS RD	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 7,607
Dungog and Chichester	W.5	GRESFORD 1 WPS - INFILTRATION GALLERY	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 14,863
Dungog and Chichester	W.5	GRESFORD 1 WPS - PUMP 2	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 5,150
Dungog and Chichester	W.5	GRESFORD 1 WPS - PUMP 1	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 5,150
Dungog and Chichester	W.5	GRESFORD 1 WPS - ELECTRICAL SUPPLY	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 17,603
Dungog and Chichester	W.5	GRESFORD 1 WPS - ELECTRICAL OTHER	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 14,362
Dungog and Chichester	W.5	GRESFORD 1 WPS - ELECTRICAL SWITCHBOARD	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 36,760
Dungog and Chichester	W.5	GRESFORD 1 WPS - TELEMETRY ITEMS	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 26,551
Dungog and Chichester	W.5	GRESFORD 1 WPS-WELL INDICATOR & FLOW MTR	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2011	$ 10,165
Dungog and Chichester	W.5	DUNGOG 2 RES - BURTON ST - OFFTAKE MODS	RESERVOIR, DUNGOG 2	2011	$ 3,597
Dungog and Chichester	W.5	BERESFIELD 1 WPS - LIGHTING	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2012	$ 1,116
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - PUMP 1	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2012	$ 5,378
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - PUMP 2	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2012	$ 5,378
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - VAR' SPEED DRIVES	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2012	$ 12,286
Dungog and Chichester	W.5	PATERSON 1 RESERVOIR - AIV INSTALLATION	RESERVOIR, PATERSON 1	2012	$ 36,936
Dungog and Chichester	W.5	PATERSON 1 RESERVOIR - BOOSTER S'BOARD	RESERVOIR, PATERSON 1	2013	$ 74,796
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - EMM ELEC 2013	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2014	$ 4,870
Dungog and Chichester	W.5	GLEN OAK 1 WPS - EMM ELEC 2013	PUMP STATION, GLEN OAK 1	2014	$ 147
Dungog and Chichester	W.5	CLARENCETOWN 1 RES - EXT REFIRB 2014	RESERVOIR, CLARENCE TOWN 1	2014	$ 67,939
Dungog and Chichester	W.5	CLARENCETOWN 1 RES - INT REFIRB 2014	RESERVOIR, CLARENCE TOWN 1	2014	$ 45,286
Dungog and Chichester	W.5	CLARENCETOWN 1 RESERVOIR ROOF	RESERVOIR, CLARENCE TOWN 1	2014	$ 102,162
Dungog and Chichester	W.5	BERESFIELD WPS - ACCESS RD IMPROVEMENTS	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 264,433
Dungog and Chichester	W.5	BERESFIELD 1 WPS - EMM MECH 13/14	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 24,004
Dungog and Chichester	W.5	BERESFIELD WPS - HV SWITCHYARD	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 852,593
Dungog and Chichester	W.5	BERESFIELD WPS - TXF1 & TXF2 COMPOUND	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 48,437
Dungog and Chichester	W.5	BERESFIELD WPS - EARTHING GRID	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 169,400
Dungog and Chichester	W.5	BERESFIELD WPS - S/Y LIGHTNING PROTECT'N	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 39,257
Dungog and Chichester	W.5	BERESFIELD WPS - TXF1 & TXF2 TRANSFORMER	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 291,461
Dungog and Chichester	W.5	BERESFIELD WPS - TXF3 & TXF4 TRANSFORMER	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 269,748
Dungog and Chichester	W.5	BERESFIELD WPS - TXF5 TRANSFORMER	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 221,709
Dungog and Chichester	W.5	BERESFIELD WPS - AUTO TRANSFER SWITCH	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 71,056
Dungog and Chichester	W.5	BERESFIELD WPS - GENERATOR CONNECT PANEL	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 69,321
Dungog and Chichester	W.5	BERESFIELD WPS - SWITCHROOMS	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 462,967
Dungog and Chichester	W.5	BERESFIELD WPS - 3.3KV SWITCHBOARDS	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 618,778
Dungog and Chichester	W.5	BERESFIELD WPS - 3.3KV MCC'S PUMPS 1-4	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 717,945
Dungog and Chichester	W.5	BERESFIELD WPS - 415V LV AUX SWITCHBOARD	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 29,674
Dungog and Chichester	W.5	BERESFIELD WPS - PLC/SCADA	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 99,099
Dungog and Chichester	W.5	BERESFIELD WPS - BATTERY CHARGING SYS	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 32,859
Dungog and Chichester	W.5	BERESFIELD WPS - UPS SYSTEM	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 21,722
Dungog and Chichester	W.5	BERESFIELD WPS - CRANE	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 68,246
Dungog and Chichester	W.5	BERESFIELD WPS -HV CABLING & CABLING SYS	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 425,506
Dungog and Chichester	W.5	BERESFIELD WPS - LV & ELV CABLING	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 171,241

Dungog and Chichester	W.5	BERESFIELD WPS - HV SURGE ARRESTORS	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 29,363
Dungog and Chichester	W.5	BERESFIELD WPS - HV AUXILIARY SWITCHES	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 85,867
Dungog and Chichester	W.5	BERESFIELD WPS - HV RTU & COMMUNIC	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 73,326
Dungog and Chichester	W.5	BERESFIELD WPS - HV NULEC CIRCUIT BREAK	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 9,973
Dungog and Chichester	W.5	BERESFIELD WPS - HV NEXTG MODEM	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 2,906
Dungog and Chichester	W.5	BERESFIELD WPS - HV SOFTWARE PUNCH LIST	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2015	$ 7,862
Dungog and Chichester	W.5	GLEN OAK 1 WPS- EMM MECH 13/14	PUMP STATION, GLEN OAK 1	2015	$ 9,699
Dungog and Chichester	W.5	GLEN OAK 1 WPS - EMMS MECH 2014	PUMP STATION, GLEN OAK 1	2015	$ 9,291
Dungog and Chichester	W.5	GLEN OAK 1 WPS - EMM MECH 2015	PUMP STATION, GLEN OAK 1	2015	$ 15,086
Dungog and Chichester	W.5	GRESFORD 1 WPS - SCOUR UPGRADE 2015	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2015	$ 13,986
Dungog and Chichester	W.5	CLARENCE TOWN WRT - SECURITY FENCE 2014	RESERVOIR, CLARENCE TOWN 1	2015	$ 4,884
Dungog and Chichester	W.5	CLARENCETOWN 1 RESERVOIR - EMM ELEC 2015	RESERVOIR, CLARENCE TOWN 1	2015	$ 1,775
Dungog and Chichester	W.5	PATERSON 1 RESERVOIR - EMM MECH 2015	RESERVOIR, PATERSON 1	2015	$ 2,547
Dungog and Chichester	W.5	BERESFIELD WPS - COND ASSESSMENT	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2016	$ 4,801
Dungog and Chichester	W.5	BERESFIELD 1 WPS - ROOF 2015	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2016	$ 15,433
Dungog and Chichester	W.5	BERESFIELD WPS - EMM ELEC REACTIV 2016	PUMP STATION, BLACK HILL 1 (BERESFIELD)	2016	$ 190
Dungog and Chichester	W.5	GLEN OAK 1 WPS - EMM MECH 2015	PUMP STATION, GLEN OAK 1	2016	$ 14,528
Dungog and Chichester	W.5	Clarence Town 2 Reservoir Roof	RESERVOIR, CLARENCE TOWN 2	2016	$ 163,467
Dungog and Chichester	W.5	Dungog 2 Reservoir Roof Access	RESERVOIR, DUNGOG 2	2016	$ 248,580
Dungog and Chichester	W.5	PATERSON 1 RESERVOIR - EMM MECH 2016	RESERVOIR, PATERSON 1	2016	$ 1,880
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - EMM VALVES 2016	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2017	$ 4,018
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - EMM ELEC 2016	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2017	$ 7,475
Dungog and Chichester	W.5	GLEN OAK 1 WPS - REPLACE PUMP 1	PUMP STATION, GLEN OAK 1	2017	$ 36,926
Dungog and Chichester	W.5	GLEN OAK 1 WPS - EMM ELEC 2015	PUMP STATION, GLEN OAK 1	2017	$ 292
Dungog and Chichester	W.5	GLEN OAK 1 WPS - EMM ELEC 2014	PUMP STATION, GLEN OAK 1	2017	$ 7,109
Dungog and Chichester	W.5	GLEN OAK 1 WPS - EMM ELEC 2016	PUMP STATION, GLEN OAK 1	2017	$ 652
Dungog and Chichester	W.5	GRESFORD 1 WPS - EMM MECH 2016	PUMP STATION, GRESFORD 1A (GRESFORD 1)	2017	$ 16,285
Dungog and Chichester	W.5	CLARENCETOWN 1 RES - EMM ELEC 2015	RESERVOIR, CLARENCE TOWN 1	2017	$ 4,565
Dungog and Chichester	W.5	PATERSON 1 RESERVOIR - EMM ELEC 2015	RESERVOIR, PATERSON 1	2017	$ 1,750
Dungog and Chichester	W.5	MARTINS CREEK RESERVOIR - ACCESS HATCHES	RESERVOIR, MARTINS CREEK 1 (BLACK ROCK)	2018	$ 3,626
Dungog and Chichester	W.5	CLARENCETOWN 1 RES - PRESS' MONITOR	RESERVOIR, CLARENCE TOWN 1	2019	$ 2,320
Dungog and Chichester	W.5	MARTINS CREEK 2 RES - FLOAT VALVE	RESERVOIR, MARTINS CREEK 1 (BLACK ROCK)	2019	$ 2,119
Dungog and Chichester	W.5	EAST GRESFORD 1 WPS - TELEMETRY	PUMP STN, EAST GRESFORD 1 (GRESFORD 2)	2020	$ 38,066
Dungog and Chichester	W.5	GLEN OAK 1 WPS - TELEMETRY	PUMP STATION, GLEN OAK 1	2020	$ 33,977
Dungog and Chichester	W.5	MARTINS CREEK 1 RES - FALL PROTECTION	RESERVOIR, MARTINS CREEK 1 (BLACK ROCK)	2020	$ 727

Completed Linear Assets

In accordance with the 2018 Determination, the infrastructure contribution calculation includes all water and wastewater assets that Hunter Water has funded to provide services to new development.

'Assets' means all assets or parts of assets (including headworks), apart from 'Excluded Assets', allocated to a DSP where there is a nexus (close connection) to the Development they are intended to serve and includes assets that:

a)were commissioned prior to the Commencement Date;
b)were commissioned after the Commencement Date but before the Development commenced; and
c)are commissioned, or are to be commissioned, after the Development commences.

**All unit costs and MEERA values have been rounded up to the nearest $*

DSP Name	DSP Ref. Number	Asset Description	Location ID (Supply Zone)	Pipe Diameter (mm)	Year	Unit Cost ($/m)*	Pipe Length (m)	MEERA*
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	66.4	$ 12,807
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	2.9	$ 559
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	1.2	$ 235
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	0.4	$ 77
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	0.6	$ 117
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1970	$ 238	4.4	$ 1,047
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1970	$ 238	2.0	$ 472
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	2.2	$ 420
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1970	$ 238	0.5	$ 119
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	43.1	$ 8,309
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	29.7	$ 5,720
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	31.6	$ 6,091
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	75.9	$ 14,631
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	48.8	$ 9,400
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	72.2	$ 13,923
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	2.1	$ 411
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	66.7	$ 12,866
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	0.9	$ 176
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	67.0	$ 12,926
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	7.0	$ 1,351
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	17.1	$ 3,290
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	1.7	$ 328
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	5.3	$ 1,022
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	66.4	$ 12,807
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	51.8	$ 9,994
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	26.6	$ 5,131
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	84.3	$ 16,251
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	35.2	$ 6,791
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	41.4	$ 7,986
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	63.5	$ 12,251
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	3.8	$ 725
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	0.3	$ 66
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	61.3	$ 11,820
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	183.4	$ 35,363
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	55.5	$ 10,691
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	0.7	$ 136
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	4.2	$ 803
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	100.8	$ 19,427
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1970	$ 193	1.2	$ 231
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1970	$ 238	1.0	$ 238
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1970	$ 193	4.0	$ 767
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1971	$ 193	0.3	$ 50
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1971	$ 193	4.4	$ 856
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	47.2	$ 9,093
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	25.5	$ 4,917
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	129.4	$ 24,951
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	47.8	$ 9,214
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	60.8	$ 11,728
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	37.9	$ 7,305
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	0.7	$ 143
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	1.5	$ 283
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	69.5	$ 13,395
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	60.7	$ 11,693
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	22.1	$ 4,263
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	1.5	$ 283
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	17.9	$ 3,445
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	0.6	$ 115
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	0.6	$ 113
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	66.5	$ 12,812
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1972	$ 193	0.8	$ 157
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	0.9	$ 394
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	31.9	$ 13,431
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	8.5	$ 3,578
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	132.6	$ 55,849
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	247.5	$ 104,250
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	20.6	$ 8,672
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	31.2	$ 13,129
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	1.2	$ 489
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	10.3	$ 4,347
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	23.5	$ 9,914
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	91.3	$ 38,472
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	3.7	$ 1,572
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	35.0	$ 14,726
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	143.5	$ 60,457
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	83.1	$ 34,988
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	2.0	$ 842
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	44.6	$ 18,787
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	25.6	$ 10,805
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	81.6	$ 34,393
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	15.6	$ 6,576
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	9.6	$ 4,055
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	84.9	$ 35,760
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1973	$ 421	43.8	$ 18,433
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	53.0	$ 10,216
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	0.4	$ 77
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	47.0	$ 9,067
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	0.5	$ 96

Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	0.6	$ 115
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	3.8	$ 732
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	58.1	$ 11,199
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	0.5	$ 96
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	52.1	$ 10,042
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	0.6	$ 116
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	9.8	$ 1,897
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	65.3	$ 12,586
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	8.8	$ 1,702
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	0.8	$ 154
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	0.8	$ 154
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	2.2	$ 420
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	1.0	$ 193
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1974	$ 193	14.4	$ 2,780
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	3.5	$ 682
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	94.1	$ 18,140
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	3.1	$ 595
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	0.8	$ 156
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	129.2	$ 24,910
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	0.9	$ 175
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	0.7	$ 130
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	1.0	$ 191
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	73.6	$ 14,188
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	131.4	$ 25,332
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	11.5	$ 2,222
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	3.8	$ 741
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	165.5	$ 31,898
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	1.1	$ 216
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	0.7	$ 134
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	99.9	$ 19,260
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	2.9	$ 566
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	29.1	$ 5,606
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	1.9	$ 376
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1975	$ 193	34.3	$ 6,606
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1977	$ 193	60.6	$ 11,686
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1977	$ 193	66.7	$ 12,858
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1977	$ 193	0.1	$ 22
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1977	$ 193	45.7	$ 8,806
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1977	$ 193	71.3	$ 13,754
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	1977	$ 193	0.2	$ 40
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1978	$ 193	0.5	$ 100
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1978	$ 193	0.5	$ 93
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1979	$ 193	3.7	$ 707
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1979	$ 193	2.2	$ 425
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1979	$ 193	1.8	$ 351
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1979	$ 193	342.0	$ 65,936
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	200	1979	$ 238	1.3	$ 309
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	0.2	$ 40
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	39.7	$ 7,663
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	37.1	$ 7,157
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	177.6	$ 34,230
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	77.9	$ 15,022
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	6.4	$ 1,236
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	2.7	$ 516
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	3.8	$ 735
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	115.2	$ 27,410
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	133.2	$ 25,682
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	617.0	$ 118,958
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	47.1	$ 9,080
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	19.8	$ 3,811
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	491.2	$ 94,697
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	4.7	$ 902
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	291.6	$ 69,393
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	4.7	$ 909
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	17.2	$ 4,104
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	97.5	$ 18,800
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	283.7	$ 67,524
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	39.5	$ 7,607
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	181.1	$ 43,092
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	449.0	$ 86,555
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	74.9	$ 14,439
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	3.2	$ 622
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	205.0	$ 48,794
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	76.6	$ 14,769
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	1.5	$ 292
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	777.4	$ 149,871
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	9.2	$ 1,781
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	1.8	$ 424
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	25.4	$ 4,894
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	249.6	$ 48,114
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	3.9	$ 761
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	5.4	$ 1,039
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	391.4	$ 75,450
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	3.1	$ 602
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CREEK 2	150	1979	$ 193	1.7	$ 320
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	146.2	$ 28,180
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	62.1	$ 11,981
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	530.1	$ 126,141
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	1.2	$ 225
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	177.7	$ 34,253
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	85.2	$ 16,426
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	318.3	$ 61,358
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	211.0	$ 40,687
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	2.3	$ 544
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	39.1	$ 7,534
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	151.6	$ 36,075
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	256.5	$ 49,452
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	149.1	$ 28,751
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	119.9	$ 28,527
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	38.8	$ 7,485
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	145.0	$ 27,960
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	40.1	$ 9,547
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	421.3	$ 81,220

Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	61.1	$ 14,530
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	59.3	$ 14,120
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	122.2	$ 29,071
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	115.1	$ 27,394
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	355.8	$ 84,676
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1979	$ 238	2.1	$ 505
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	72.5	$ 17,260
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	281.4	$ 66,974
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1979	$ 238	0.2	$ 56
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	263.7	$ 62,755
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	244.3	$ 58,127
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	2.8	$ 661
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	63.4	$ 15,087
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	416.6	$ 99,133
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	195.6	$ 46,555
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	147.9	$ 35,208
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	457.1	$ 108,773
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	260.2	$ 61,915
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1979	$ 238	0.8	$ 181
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	101.3	$ 24,106
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	404.4	$ 96,234
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	35.4	$ 8,422
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1979	$ 238	1.2	$ 283
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	113.9	$ 27,099
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	1.0	$ 247
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	179.4	$ 42,683
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	198.8	$ 47,310
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	0.5	$ 118
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	532.7	$ 126,776
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1979	$ 238	155.0	$ 36,892
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	381.5	$ 90,779
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	463.0	$ 110,186
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	234.6	$ 55,820
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	43.2	$ 10,270
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1979	$ 238	0.7	$ 163
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	121.0	$ 28,799
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	39.0	$ 7,517
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	4.8	$ 930
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	11.9	$ 2,292
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	161.6	$ 31,152
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	161.7	$ 31,169
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	3.1	$ 596
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	3.9	$ 752
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	30.3	$ 5,838
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1979	$ 238	5.2	$ 1,228
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	27.6	$ 5,311
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	65.5	$ 12,623
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	21.5	$ 5,128
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1979	$ 238	92.5	$ 22,008
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	314.5	$ 60,623
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	41.5	$ 8,006
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	36.2	$ 6,986
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	24.2	$ 4,674
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	1979	$ 193	13.4	$ 2,590
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	361.3	$ 152,220
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	144.4	$ 60,839
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1980	$ 238	6.3	$ 1,489
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	0.8	$ 328
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	10.6	$ 4,479
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1980	$ 238	0.4	$ 102
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1980	$ 238	1.3	$ 315
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	22.0	$ 9,252
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	0.8	$ 323
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	0.6	$ 247
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1980	$ 238	0.4	$ 94
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	12.8	$ 5,375
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	0.9	$ 381
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	98.4	$ 41,440
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	31.1	$ 13,089
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	156.2	$ 65,790
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	1980	$ 421	0.9	$ 386
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	1980	$ 315	0.5	$ 158
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	1980	$ 315	0.9	$ 284
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	1980	$ 315	2.2	$ 694
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	500	1980	$ 560	0.2	$ 135
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	500	1980	$ 560	0.5	$ 292
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	500	1980	$ 560	50.4	$ 28,236
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	500	1980	$ 560	1.2	$ 691
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	16.5	$ 3,180
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	104.1	$ 20,065
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	252.5	$ 48,676
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	16.3	$ 3,143
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	72.2	$ 13,920
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	19.0	$ 3,666
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	2.3	$ 450
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	116.0	$ 22,371
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	0.3	$ 51
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	153.8	$ 29,650
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 2	150	1981	$ 193	3.5	$ 672
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	3.3	$ 779
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	16.3	$ 3,870
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	19.4	$ 4,613
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	57.1	$ 13,582
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	150	1982	$ 193	3.1	$ 596
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	150	1982	$ 193	1.3	$ 254
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	150	1982	$ 193	1.3	$ 254
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	150	1982	$ 193	3.8	$ 729
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1982	$ 238	2.6	$ 616
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1982	$ 238	0.2	$ 44
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1982	$ 238	0.2	$ 44
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1982	$ 238	3.1	$ 731
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1982	$ 238	0.2	$ 52
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	1.4	$ 340

Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	2.3	$ 553
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	1.4	$ 341
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1982	$ 238	3.1	$ 737
Dungog and Chichester	W.5	Linear Asset _watermain	WPS, GLEN OAK 1	200	1982	$ 238	0.2	$ 52
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	3.5	$ 833
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	0.9	$ 214
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	0.5	$ 119
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	0.7	$ 167
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1983	$ 193	0.9	$ 174
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	34.4	$ 8,185
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	0.3	$ 71
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	58.2	$ 13,849
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	5.4	$ 1,276
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	0.7	$ 166
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	3.6	$ 856
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1983	$ 193	33.7	$ 6,496
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1983	$ 193	27.9	$ 5,377
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1983	$ 193	9.6	$ 1,848
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1983	$ 193	20.8	$ 4,009
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1983	$ 193	66.2	$ 12,760
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1983	$ 193	0.7	$ 135
Dungog and Chichester	W.5	Linear Asset _watermain	WR, NORTH LAMBTON 1	150	1983	$ 193	15.8	$ 3,037
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	10.4	$ 2,478
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	0.2	$ 44
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1983	$ 238	28.4	$ 6,760
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1984	$ 193	5.4	$ 1,034
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1984	$ 193	9.2	$ 1,773
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1984	$ 193	5.4	$ 1,041
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1984	$ 193	1.0	$ 185
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1984	$ 193	27.6	$ 5,325
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1985	$ 193	2.4	$ 467
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1985	$ 193	6.1	$ 1,182
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1985	$ 193	0.9	$ 176
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1985	$ 193	31.6	$ 6,100
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	58.7	$ 11,326
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	5.3	$ 1,021
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	70.2	$ 13,540
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	5.9	$ 1,135
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	7.2	$ 1,384
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	32.8	$ 6,332
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	27.1	$ 5,223
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	1.5	$ 293
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	2.1	$ 403
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	0.3	$ 51
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	1.5	$ 293
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	0.6	$ 119
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	3.7	$ 714
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1986	$ 193	0.2	$ 43
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	500	1988	$ 560	0.2	$ 105
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	0.7	$ 129
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	0.6	$ 115
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	0.5	$ 98
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	16.7	$ 3,215
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	3.7	$ 719
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	0.5	$ 97
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	14.4	$ 2,781
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	27.5	$ 5,295
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	44.6	$ 8,591
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	52.8	$ 10,178
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	90.7	$ 17,478
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	29.2	$ 5,630
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1988	$ 193	61.3	$ 11,809
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	1988	$ 298	0.3	$ 86
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	1988	$ 298	1.3	$ 375
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	1988	$ 298	1.0	$ 310
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	1988	$ 298	0.4	$ 115
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	1988	$ 298	0.4	$ 122
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1989	$ 238	31.6	$ 7,527
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	72.5	$ 13,969
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	0.1	$ 19
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	8.2	$ 1,580
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	1.5	$ 289
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	55.6	$ 10,717
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	138.5	$ 26,706
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	33.3	$ 6,411
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 1	250	1989	$ 298	202.2	$ 60,155
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 1	250	1989	$ 298	335.2	$ 99,738
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 1	150	1989	$ 193	2.3	$ 436
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 1	150	1989	$ 193	1.3	$ 241
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	5.5	$ 1,068
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	36.4	$ 7,027
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1989	$ 193	3.8	$ 733
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1990	$ 193	26.5	$ 5,111
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1990	$ 193	18.4	$ 3,547
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	72.2	$ 13,916
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	81.5	$ 15,708
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	72.2	$ 13,916
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	58.9	$ 11,353
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	66.3	$ 12,779
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	61.0	$ 11,765
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.5	$ 96
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.4	$ 77
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	49.7	$ 9,590
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.4	$ 77
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	28.4	$ 5,469
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.7	$ 135
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.4	$ 77
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	66.2	$ 12,760
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	60.2	$ 11,603
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.5	$ 88
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	5.1	$ 983
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	23.4	$ 4,514
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	102.1	$ 19,692

Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.4	$ 73
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	6.0	$ 1,156
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	38.2	$ 7,356
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	33.7	$ 6,496
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	24.1	$ 4,638
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	37.5	$ 7,228
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	7.4	$ 1,421
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.3	$ 58
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	133.6	$ 25,751
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	138.9	$ 26,778
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	143.0	$ 27,563
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	172.5	$ 33,248
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	174.9	$ 33,728
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	138.7	$ 26,736
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	14.0	$ 2,698
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	59.7	$ 11,507
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.6	$ 110
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	1.9	$ 366
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	18.0	$ 3,475
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1993	$ 193	0.3	$ 58
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1994	$ 238	432.7	$ 102,961
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1994	$ 238	13.5	$ 3,213
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	6.1	$ 1,176
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	1.6	$ 312
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	11.9	$ 2,294
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	6.7	$ 1,291
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	24.9	$ 4,796
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	16.6	$ 3,204
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	66.1	$ 12,749
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	21.8	$ 4,194
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	69.0	$ 13,310
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	81.8	$ 15,777
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	2.0	$ 388
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	18.4	$ 3,548
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	11.8	$ 2,274
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	60.8	$ 11,723
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	5.7	$ 1,104
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	17.6	$ 3,389
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	75.3	$ 14,522
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	3.0	$ 574
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	2.6	$ 507
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	76.0	$ 14,659
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	11.5	$ 2,208
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	13.3	$ 2,563
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	5.6	$ 1,073
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	83.2	$ 16,039
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	9.4	$ 1,812
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	129.3	$ 24,922
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	84.4	$ 16,270
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	4.3	$ 829
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	0.5	$ 96
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1995	$ 193	0.7	$ 135
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	155.3	$ 54,356
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	149.5	$ 52,321
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	5.3	$ 1,859
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	102.7	$ 35,942
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	54.0	$ 18,903
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	149.4	$ 52,300
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	158.5	$ 55,469
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	12.6	$ 4,422
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	191.5	$ 67,037
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	1996	$ 350	42.3	$ 14,800
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1998	$ 511	8.7	$ 4,453
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1998	$ 511	3.9	$ 1,978
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1998	$ 511	5.0	$ 2,554
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1998	$ 511	4.9	$ 2,503
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	1998	$ 511	33.0	$ 16,863
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2000	$ 726	19.1	$ 13,897
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2000	$ 350	2.0	$ 705
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2000	$ 350	0.6	$ 199
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2000	$ 726	46.7	$ 33,868
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2000	$ 726	27.7	$ 20,130
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2002	$ 350	0.3	$ 105
Dungog and Chichester	W.5	Linear Asset _watermain	WR, BLACK HILL 1 (STONY PNCH)	150	2002	$ 350	27.7	$ 9,693
Dungog and Chichester	W.5	Linear Asset _watermain	WR, BLACK HILL 1 (STONY PNCH)	150	2002	$ 350	52.9	$ 18,528
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2002	$ 350	0.4	$ 151
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2002	$ 350	218.5	$ 76,474
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2002	$ 350	12.0	$ 4,210
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2002	$ 350	1.2	$ 407
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2002	$ 350	38.3	$ 13,395
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2002	$ 350	0.9	$ 308
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2002	$ 350	14.8	$ 5,195
Dungog and Chichester	W.5	Linear Asset _watermain	WR, BLACK HILL 1 (STONY PNCH)	150	2002	$ 350	2.3	$ 794
Dungog and Chichester	W.5	Linear Asset _watermain	WR, BLACK HILL 1 (STONY PNCH)	150	2002	$ 350	1.8	$ 634
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	1.0	$ 589
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2003	$ 350	21.7	$ 7,586
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	53.4	$ 31,475
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	45.9	$ 27,046
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2003	$ 350	0.4	$ 126
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	36.7	$ 21,595
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	18.2	$ 10,717
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2003	$ 350	117.7	$ 41,199
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	1.6	$ 935
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2003	$ 350	0.2	$ 82
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2003	$ 350	1.5	$ 525
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	4.5	$ 2,648
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2003	$ 589	89.7	$ 52,804
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2004	$ 589	1.9	$ 1,119
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2004	$ 589	71.4	$ 42,040
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2004	$ 589	24.5	$ 14,432
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2004	$ 350	4.3	$ 1,497
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2004	$ 350	0.6	$ 210
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2005	$ 511	15.0	$ 7,677

Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2005	$ 350	34.5	$ 12,058
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2005	$ 350	50.0	$ 17,515
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2005	$ 350	0.6	$ 211
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2005	$ 511	8.0	$ 4,089
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2005	$ 511	104.4	$ 53,330
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2005	$ 511	35.1	$ 17,959
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2005	$ 350	8.5	$ 2,974
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2005	$ 350	0.5	$ 176
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	32.1	$ 16,425
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	1.3	$ 452
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	0.8	$ 270
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	22.3	$ 11,381
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	5.7	$ 1,996
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	20.1	$ 7,022
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	0.3	$ 136
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	0.4	$ 141
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	2.4	$ 1,212
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	0.4	$ 227
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	3.2	$ 1,105
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	0.4	$ 204
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	1.3	$ 451
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	0.3	$ 92
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	4.4	$ 1,539
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	0.4	$ 140
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	56.3	$ 19,712
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	0.5	$ 158
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	81.0	$ 28,344
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	2.9	$ 1,008
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	6.7	$ 2,334
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	0.7	$ 244
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	135.4	$ 47,377
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2006	$ 350	61.5	$ 21,527
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	214.4	$ 126,286
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	206.4	$ 121,582
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.4	$ 1,388
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	1.9	$ 969
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.1	$ 650
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.8	$ 1,088
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	24.1	$ 14,209
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	164.2	$ 96,700
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	8.0	$ 4,723
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	16.3	$ 9,601
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.0	$ 1,184
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.7	$ 1,026
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.3	$ 177
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	190.2	$ 112,009
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	332.3	$ 195,712
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	64.5	$ 37,999
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.6	$ 929
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.6	$ 369
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	34.3	$ 20,175
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.6	$ 1,552
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.2	$ 706
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	400.6	$ 235,961
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	7.0	$ 4,122
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	21.1	$ 12,417
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	2.5	$ 872
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.1	$ 1,213
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	234.7	$ 138,222
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.8	$ 1,073
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.0	$ 1,173
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2006	$ 511	509.5	$ 260,379
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	100.3	$ 59,051
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	23.2	$ 13,691
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	13.5	$ 7,952
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.3	$ 177
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.9	$ 521
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.3	$ 205
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	39.0	$ 28,328
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	9.0	$ 6,534
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	2.4	$ 1,777
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	169.5	$ 123,075
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	42.4	$ 24,980
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	10.1	$ 7,341
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	2.0	$ 1,446
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	412.7	$ 299,618
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	0.3	$ 110
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.5	$ 294
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	188.1	$ 136,533
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.3	$ 1,354
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	40.9	$ 14,327
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.9	$ 1,683
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	260.9	$ 153,666
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	2.8	$ 980
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	2.0	$ 1,484
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.9	$ 1,129
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	1.0	$ 717
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	27.0	$ 19,602
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	1.0	$ 727
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.5	$ 318
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.5	$ 266
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	30.8	$ 22,346
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	6.3	$ 3,689
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	7.0	$ 2,457
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	19.1	$ 11,228
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	49.2	$ 35,718
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	9.0	$ 3,150
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	9.1	$ 5,350
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	324.7	$ 235,764
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	31.1	$ 22,613
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.2	$ 697
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.8	$ 1,069
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	294.6	$ 173,494

Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	4.3	$ 2,541
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	8.2	$ 4,845
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	202.7	$ 147,166
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	2.6	$ 1,543
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.3	$ 174
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	12.8	$ 9,328
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	1.0	$ 336
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	153.4	$ 111,334
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	196.7	$ 115,835
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	372.1	$ 219,179
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	0.5	$ 362
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	17.3	$ 12,525
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	111.3	$ 65,560
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	0.5	$ 363
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	2.1	$ 1,493
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	0.6	$ 223
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	314.6	$ 228,403
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	253.2	$ 149,110
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	4.2	$ 3,053
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	9.1	$ 5,379
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	1.0	$ 709
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	1.4	$ 852
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2006	$ 350	62.8	$ 21,982
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	0.4	$ 264
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	1.6	$ 1,174
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2006	$ 589	5.8	$ 3,412
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	2.1	$ 1,546
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	191.2	$ 138,793
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	161.7	$ 117,416
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	2.0	$ 1,486
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	0.6	$ 436
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	56.2	$ 40,807
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	9.3	$ 6,757
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	114.3	$ 82,973
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	10.0	$ 7,260
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	0.6	$ 458
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2006	$ 726	13.5	$ 9,799
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	450	2006	$ 1,630	0.3	$ 489
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	1.4	$ 1,035
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	1.8	$ 1,274
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	0.8	$ 606
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	2.7	$ 1,945
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	1.0	$ 726
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.1	$ 50
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	3.3	$ 2,403
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	80.6	$ 28,211
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	7.6	$ 5,502
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	0.3	$ 182
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	10.0	$ 7,261
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.5	$ 175
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	6.0	$ 4,357
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	48.0	$ 34,829
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.3	$ 106
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	4.2	$ 1,455
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	4.4	$ 3,162
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	2.0	$ 1,452
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	2.5	$ 1,836
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	7.8	$ 5,629
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	1.0	$ 350
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	60.1	$ 43,640
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	10.0	$ 7,278
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	23.8	$ 17,311
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	0.5	$ 354
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	3.3	$ 2,390
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	26.8	$ 9,393
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.9	$ 300
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	38.6	$ 28,041
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	1.4	$ 1,021
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	1.6	$ 1,138
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	300	2007	$ 726	1.3	$ 944
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	69.1	$ 24,178
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	75.4	$ 26,401
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	15.9	$ 5,569
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.2	$ 84
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	1.2	$ 435
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	1.2	$ 420
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	64.6	$ 22,615
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	31.5	$ 11,041
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.8	$ 296
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	78.2	$ 27,364
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	13.4	$ 4,690
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	26.3	$ 9,204
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	6.9	$ 2,416
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	1.7	$ 609
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.3	$ 97
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	38.8	$ 13,582
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	27.4	$ 9,595
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	65.7	$ 23,000
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	11.3	$ 3,954
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.3	$ 90
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	24.6	$ 8,626
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	73.5	$ 25,739
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	52.2	$ 18,285
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2007	$ 350	0.3	$ 95
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	10.0	$ 3,500
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	1.6	$ 548
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	0.5	$ 179
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	7.0	$ 2,465
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	0.6	$ 210
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	3.6	$ 1,260
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2007	$ 350	0.1	$ 52
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	28.9	$ 10,111
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	57.8	$ 20,221

Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	366.4	$ 128,250
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2007	$ 350	0.2	$ 72
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	107.1	$ 37,468
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	69.0	$ 24,140
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	0.3	$ 104
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	68.6	$ 24,023
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	78.1	$ 27,338
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	65.2	$ 22,822
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	129.6	$ 45,344
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	69.8	$ 24,440
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2008	$ 350	0.8	$ 281
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	0.4	$ 137
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	12.2	$ 4,262
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	1.2	$ 423
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	61.9	$ 21,666
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	57.0	$ 19,940
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	62.1	$ 21,734
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	101.3	$ 35,445
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	21.2	$ 7,411
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	56.6	$ 19,817
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	15.6	$ 5,461
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	0.3	$ 96
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	2.7	$ 928
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	37.1	$ 12,975
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	12.7	$ 4,452
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	149.6	$ 52,365
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	167.6	$ 58,658
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	232.1	$ 81,232
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	0.6	$ 208
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	107.7	$ 37,695
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	119.9	$ 41,971
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	124.8	$ 43,679
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	95.4	$ 33,403
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	190.6	$ 66,695
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	129.6	$ 45,377
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	0.6	$ 210
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	0.6	$ 210
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	0.5	$ 158
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	119.8	$ 41,914
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	64.0	$ 22,387
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	108.3	$ 37,896
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	125.7	$ 43,979
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	80.7	$ 28,232
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 2	150	2008	$ 350	69.9	$ 24,481
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	55.5	$ 19,435
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	61.0	$ 21,347
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	55.2	$ 19,320
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	0.5	$ 161
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	8.5	$ 2,977
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	10.6	$ 3,695
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	60.0	$ 21,006
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	0.5	$ 176
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	26.9	$ 9,417
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2008	$ 350	1.8	$ 637
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	0.9	$ 308
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	63.9	$ 22,369
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	8.9	$ 3,115
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	66.9	$ 23,418
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	42.3	$ 14,804
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	19.2	$ 6,736
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	10.0	$ 3,500
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	143.4	$ 50,185
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	1.6	$ 573
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	145.7	$ 50,982
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	1.6	$ 554
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	22.9	$ 8,032
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	108.4	$ 37,929
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	9.3	$ 3,239
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	0.4	$ 145
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	35.8	$ 12,541
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	2.7	$ 951
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	12.0	$ 4,183
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	124.8	$ 43,677
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	10.3	$ 3,605
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	89.4	$ 31,274
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	196.7	$ 68,830
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	28.5	$ 9,975
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	11.7	$ 4,107
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	11.8	$ 4,136
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	0.1	$ 46
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2009	$ 350	0.3	$ 89
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2010	$ 350	9.0	$ 3,150
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2010	$ 511	5.5	$ 2,812
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2010	$ 511	5.5	$ 2,810
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2010	$ 350	0.2	$ 70
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2010	$ 350	0.6	$ 218
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2010	$ 350	0.2	$ 70
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2010	$ 350	0.6	$ 218
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 1	150	2011	$ 350	0.3	$ 105
Dungog and Chichester	W.5	Linear Asset _watermain	WR, CLARENCE TOWN 1	150	2011	$ 350	4.4	$ 1,540
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	0.5	$ 256
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	2.7	$ 1,374
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	5.2	$ 2,663
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	0.8	$ 414
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	6.8	$ 3,462
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	1.2	$ 623
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	2.3	$ 1,166
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	2.0	$ 999
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2012	$ 589	182.9	$ 107,717
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	89.7	$ 45,824
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	22.8	$ 11,634
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	6.9	$ 3,502
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2012	$ 511	0.9	$ 472

Dungog and Chichester	W.5	Linear Asset _watermain	CLEAR WATER SYSTEM, GRESFORD	150	2012	$ 350	159.4	$ 55,777
Dungog and Chichester	W.5	Linear Asset _watermain	CLEAR WATER SYSTEM, GRESFORD	150	2012	$ 350	31.9	$ 11,165
Dungog and Chichester	W.5	Linear Asset _watermain	CLEAR WATER SYSTEM, GRESFORD	150	2012	$ 350	1.4	$ 485
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.2	$ 66
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.7	$ 245
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.6	$ 209
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.2	$ 83
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.3	$ 119
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.4	$ 143
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.4	$ 143
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	1.5	$ 525
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.1	$ 49
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2012	$ 350	0.5	$ 186
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2013	$ 350	8.1	$ 2,836
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2013	$ 350	26.3	$ 9,204
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2013	$ 350	80.0	$ 28,004
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2013	$ 350	79.6	$ 27,877
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2013	$ 350	68.8	$ 24,095
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2013	$ 350	71.3	$ 24,947
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2013	$ 350	8.0	$ 2,800
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2014	$ 350	18.9	$ 6,608
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2014	$ 350	0.5	$ 177
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2014	$ 350	0.5	$ 175
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2015	$ 350	11.7	$ 4,091
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2015	$ 350	208.3	$ 72,892
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2015	$ 350	24.1	$ 8,448
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2015	$ 350	10.1	$ 3,537
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2015	$ 350	58.0	$ 20,291
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2015	$ 511	6.0	$ 3,066
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2016	$ 350	17.2	$ 6,026
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	375	2016	$ 940	6.0	$ 5,640
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2016	$ 511	41.9	$ 21,386
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2016	$ 511	36.5	$ 18,654
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2016	$ 350	1.0	$ 350
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2016	$ 350	1.3	$ 446
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2016	$ 350	1.0	$ 350
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2016	$ 350	0.7	$ 245
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2016	$ 350	0.7	$ 245
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2016	$ 350	1.0	$ 350
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2017	$ 350	12.5	$ 4,375
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2017	$ 350	2.6	$ 924
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2017	$ 350	129.8	$ 45,434
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	250	2017	$ 589	4.1	$ 2,421
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2017	$ 350	11.2	$ 3,937
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2017	$ 350	238.4	$ 83,423
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2017	$ 350	0.1	$ 46
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2017	$ 350	0.3	$ 89
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2018	$ 589	1.0	$ 581
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	125	2018	$ 350	15.5	$ 5,425
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	125	2018	$ 350	162.2	$ 56,771
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	125	2018	$ 350	197.4	$ 69,081
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	250	2019	$ 589	7.5	$ 4,417
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2019	$ 350	6.0	$ 2,100
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2019	$ 350	21.8	$ 7,645
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2019	$ 350	68.8	$ 24,076
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2019	$ 350	61.1	$ 21,393
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	125	2019	$ 350	4.2	$ 1,453
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	125	2019	$ 350	0.8	$ 289
Dungog and Chichester	W.5	Linear Asset _watermain	WR, PATERSON 1	125	2019	$ 350	18.7	$ 6,554
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2019	$ 350	20.0	$ 7,000
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2019	$ 350	11.3	$ 3,955
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	125	2019	$ 350	2.0	$ 712
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	125	2019	$ 350	118.4	$ 41,432
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	125	2019	$ 350	0.4	$ 153
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	125	2019	$ 350	0.9	$ 323
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.7	$ 245
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	5.6	$ 1,963
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	16.8	$ 5,877
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.6	$ 225
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.3	$ 100
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	7.4	$ 2,589
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	1.3	$ 453
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	50.1	$ 17,543
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	59.4	$ 20,798
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	23.4	$ 8,187
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	25.4	$ 8,902
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	2.4	$ 856
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.2	$ 63
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	6.7	$ 2,332
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.7	$ 253
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	18.1	$ 6,329
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	21.6	$ 7,573
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.7	$ 250
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	16.2	$ 5,674
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.7	$ 229
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	58.5	$ 20,467
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	85.6	$ 29,971
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	54.6	$ 19,100
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	1.2	$ 414
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	34.8	$ 12,170
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	60.1	$ 21,029
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	4.6	$ 1,606
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	1.1	$ 370
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	24.5	$ 8,581
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.5	$ 172
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	6.5	$ 2,289
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	35.9	$ 12,550
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	2.6	$ 921
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	48.8	$ 17,065
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	2.6	$ 910
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	44.1	$ 15,421
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	2.7	$ 948
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.7	$ 239

Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.3	$ 117
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.8	$ 297
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.3	$ 89
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2019	$ 350	2.2	$ 770
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.8	$ 284
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2019	$ 350	0.8	$ 284
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2020	$ 350	5.6	$ 1,960
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	180	2020	$ 511	72.2	$ 36,905
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2020	$ 350	1.0	$ 350
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2020	$ 350	1.0	$ 350
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2020	$ 350	0.7	$ 245
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2020	$ 350	0.7	$ 245
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	200	2020	$ 511	6.0	$ 3,066
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2021	$ 350	0.7	$ 233
Dungog and Chichester	W.5	Linear Asset _watermain	WR, DUNGOG 1	150	2021	$ 350	2.3	$ 817
Dungog and Chichester	W.5	Linear Asset _watermain	WR, MARTINS CRK 1 (BLACK RCK)	150	2021	$ 350	8.1	$ 2,831
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	180	2022	$ 511	1.0	$ 511
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2022	$ 350	1.9	$ 660
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	150	2022	$ 350	0.3	$ 103
Dungog and Chichester	W.5	Linear Asset _watermain	WTP, DUNGOG	180	2022	$ 511	28.1	$ 14,365

Completed and Future Headworks

The water supply headworks system delivers water to the water supply delivery systems. Headwork charges are therefore applicable to all water DSPs excluding Lemon Tree Passage and Karuah.
Assets included in the headwork calculation are summarised below:

- Major Sources – Chichester Dam, Grahamstown Dam, Tomago and Tomaree Sandbeds.
- Raw water system – CTGM from Chichester Dam to Dungog WTP, George Schroder pumping station and pipework, raw water reservoir to Grahamstown WTP, Tomago Sandbeds pipework to Grahamstown and Tomago WTP.
- Water Treatment Plants – Dungog WTP, Grahamstown WTP, Anna Bay and Glovers Hill WTP's.
- Bulk distribution system – transfer main from CTGM, transfer main from Grahamstown WTP to Newcastle, Central Coast Transfer (sections which were funded by Hunter Water), reservoirs and WPS which are considered as part of the Bulk distribution system.
- Lower Hunter Water Security Plan Investment (related to growth)

DSP Name	Identifier	Description	Year	MEERA/Cost
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1970	$ 10,420,183
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1971	$ 2,616,378
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1972	$ 3,575,558
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1973	$ 4,679,279
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1974	$ 617,932
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1975	$ 311,866
All (except Karuah & Lemon Tree Passage)	Bulk Supply	CHI/STER-CTGM-BURMI CK/CARMICHAELS HILL	1976	$ 9,703,869
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1976	$ 12,301,574
All (except Karuah & Lemon Tree Passage)	Treatment	G/Town Upgarde	1977	$ 37,249,007
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1977	$ 4,109,371
All (except Karuah & Lemon Tree Passage)	Bulk Supply	CHI/STER-CTGM-WOERDENS RD/BURMI CK-1979	1979	$ 585,971
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1979	$ 2,631,232
All (except Karuah & Lemon Tree Passage)	Raw	TOMAGO - CABBAGE TREE RD CS - MECH/ELECT, TOMAGO - CABBAGE TREE RD C/S - TELEMETRY	1980	$ 497,829
All (except Karuah & Lemon Tree Passage)	Bulk Supply	G/TOWN/TOMAGO - PS - CIVIL	1980	$ 1,312,592
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1980	$ 935,667
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1981	$ 8,087
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1982	$ 750,905
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1983	$ 525,913
All (except Karuah & Lemon Tree Passage)	Raw	TOMAGO - TOMAGO LOW LEVEL BOOSTER PS - MECH/ELECT/TELEM	1984	$ 42,335
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1984	$ 1,268,015
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1985	$ 292
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1986	$ 3,142
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1987	$ 147
All (except Karuah & Lemon Tree Passage)	Treatment	CHI/STER - DUNGOG WTW - CIVIL 1988, CHI/STER-DUNGOG WTW-MECH/ELECT, CHI/STER-DUNGOG WTW-TELEMETRY, CHI/STER - CHICH DAM - AIR COMP	1988	$ 23,990,094
All (except Karuah & Lemon Tree Passage)	Headwork	DUNGOG WTP	1988	$ 559,983
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1988	$ 1,519,019
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1989	$ 920,295
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1990	$ 2,854,734
All (except Karuah & Lemon Tree Passage)	Raw	G/TOWN-GEORGE SCHRODER PS-CIVIL-1991	1991	$ 26,661
All (except Karuah & Lemon Tree Passage)	Treatment	CHI/STER - DUNGOG WTW - CIVIL - 1991, G/TOWN - G/TOWN STG2 WTP - MECH/ELECT - 1991, G/TOWN-G/TOWN STG2 WTP-CIVIL-1991	1991	$ 222,885
All (except Karuah & Lemon Tree Passage)	Bulk Supply	G/TOWN/TOMAGO-PS-MECH/ELECT-1991	1991	$ 16,650
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1991	$ 75,083
All (except Karuah & Lemon Tree Passage)	Raw	G/TOWN-GEORGE SCHRODER PS-TELEMETRY	1992	$ 95,459
All (except Karuah & Lemon Tree Passage)	Treatment	G/TOWN - G/TOWN STG1 WTP - TELEMETRY	1992	$ 1,632,790
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1992	$ 165,135
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Four Miles Creek Res Pre 1996 Four Miles Creek Res Pre 1996	1992	$ 901,153
All (except Karuah & Lemon Tree Passage)	Raw	G/TOWN-GEORGE SCHRODER PS-MECH/ELECT1993	1993	$ 1,442,982
All (except Karuah & Lemon Tree Passage)	Treatment	G/TOWN-G/TOWN STG1 WTP-CIVIL-1993, G/TOWN - G/TOWN STG1 WTP - MECH/ELECT - 1993	1993	$ 3,418,758
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1993	$ 2,428,707
All (except Karuah & Lemon Tree Passage)	Bulk Supply	CHI/STER-CTGM-TELEMETRY	1994	$ 97,679
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1994	$ 89,477
All (except Karuah & Lemon Tree Passage)	Raw	TOMAGO-RAW WATER-TELEMETRY, TOMAGO-BORE FIELD STNS-MECH/ELECT 1995	1995	$ 1,163,351
All (except Karuah & Lemon Tree Passage)	Treatment	G/TOWN-G/TOWN STG2 WTP-CIVIL-FILTERS-1995, G\TOWN - G/TOWN STG2 WTP - MECH/ELECT - 1995, G/TOWN-G/TOWN STG2 WTP-GRANULATED ACTIVATED CARBON	1995	$ 925,618
All (except Karuah & Lemon Tree Passage)	Bulk Supply	G/TOWN/TOMAGO-CW DELIVERY - TELEMETRY	1995	$ 44,400
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1995	$ 49,184
All (except Karuah & Lemon Tree Passage)	Raw	TOMAGO-BORE F/STATIONS-MECH/ELECT 1996, G/TOWN-G SCHRODER WPS-ELECT-500 W FLOODLIGHTS	1996	$ 29,380
All (except Karuah & Lemon Tree Passage)	Treatment	G/TOWN-G/TOWN STG2 WTP-TELEMETRY-1996, CHI/STER-CHI/STER WTW-TELEMETRY, TOMAGO - TOMAGO NO1 WTP - TELEMETRY	1996	$ 102,263
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	G/TOWN/TOMAGO-PS-MECH/ELECT-1996	1996	$ 548
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1996	$ 11,083
All (except Karuah & Lemon Tree Passage)	Treatment	G/TOWN - G/TOWN STG1 WTP - CCTV SECURITY, G/TOWN - G/TOWN STG1 WTP - SECURITY, G/TOWN - G/TOWN STG1 WTP - SECURITY	1997	$ 82,350
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	G/TOWN/TOMAGO-PS-SECURITY	1997	$ 16,167
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1997	$ 1,510,821
All (except Karuah & Lemon Tree Passage)	Treatment	G\TOWN - G/TOWN STG2 WTP - MECH - AIR BLOWER, CHI/STER-DUNGOG WTW-TELEMETRY	1998	$ 69,024
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	G/TOWN/TOMAGO-PS-T MON	1998	$ 6,232
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	1998	$ 7,525
All (except Karuah & Lemon Tree Passage)	Raw	G/TOWN-GEORGE SCHRODER PS-TELEMETRY	1999	$ 7,970
All (except Karuah & Lemon Tree Passage)	Treatment	CHI/STER - DUNGOG WTP-BACKWASH RECOVER MODS-CIVIL, CHI/STER - DUNGOG WTP - PARTICLE COUNTER, CHI/STER - CHI/STER-DUNGOG WTW-MECH-GENERATOR, G/TOWN-G/TOWN STG2 WTP-CIVIL-PIT COVERS-1999, G/TOWN-G/TOWN STG2 WTP-BACKWASH POLYMER DOSING, G/TOWN-G/TOWN STG2 WTP-PAC DOSING FACILITY, G/TOWN - G/TOWN STG1 WTP - PARTICLE COUNTER, G/TOWN-G/TOWN STG2 WTP-CIVIL-LOW WATER PROT-1999	1999	$ 365,347
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	G/TOWN/TOMAGO-PS-T MON, CHI/STER-CTGM-SUMP PUMP	1999	$ 64,104
All (except Karuah & Lemon Tree Passage)	Source	G/TOWN -EMBANKMENT- WAVE PROTECTION , NORTH STOCKTON-EASEMENT-DROUGHT SECURITY, Study of remedial options for Chichester Dam (DSC requirement), G/TOWN WAVE PROTECTION MAIN EMBANKMENT	2000	$ 6,245,280
All (except Karuah & Lemon Tree Passage)	Treatment	G/TOWN-G/TOWN STG2 WTP-PARTICLE COUNTERS, CHI/STER - DUNGOG WTP - PARTICLE COUNTERS, DUNGOG WTP - PARTICLE COUNTERS, G/TOWN WTP - PARTICLE COUNTERS, ANNA BAY WTW-PLC/SCADA LIME DOSING CTRL, ANNA BAY WTW-PLC/SCADA MODIFICATIONS, ANNA BAY WTW-RELOC B/UP COMP & UPGR CTRL, LEMON TREE PASSAGE WTP-S/S PLATFORM, DUNGOG WTP - MECH - SPARE IN LINE MIXER, G/TOEN WTP-CIVIL-SAFETY GLASS, G/TON WTP-MECH-FLOAT SWITCH-AL/POLY BUND, G/TOWN WTP-CHLORINE DOSING LINES BACKUP, G/TOWN WTP-CIVIL-SEAL ALUM/POLY BUND, G/TOWN WTP-MECH-HIGH LEVEL ALARM SEPTIC, G/TOWN WTP-MECH-POLYMER DOSING SYS MOD, DUNGOG WTP - MECH - MOD LIME DOSING SYS	2000	$ 194,490
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	G/TOWN/TOMAGO-PS-MECH/ELECT-2000, GRAHAMSTOWN CLEAR WATER RESERVOIR ROOF	2000	$ 628,819
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	RESERVOIR, ELERMORE VALE 2 (STH WALLSND)	2000	$ 4,464,581
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2000	$ 921,003
All (except Karuah & Lemon Tree Passage)	Source	G/TOWN - DAM - CIVIL - EASTERN BATTER, G/TOWN DISCHARGE CHANNEL-NTH BOUND BRIDG, G/TOWN DISCHARGE CHANNEL-STH BOUND BRIDG	2001	$ 7,108,135

All (except Karuah & Lemon Tree Passage)	Treatment	ANNA BAY WTW-CIVIL-HANDRAIL CWT HATCH, ANNA BAY WTW-HIGH/LOW FLOAT SWITCH , ANNA BAY WTW-LOCAL LEVEL IND-FLURID TANK, G/TOWN WTP-CIVIL-RAW WTR TANK-SS LADDERS, G/TOWN WTP-ELEC-FILTR G-15 AMP POWER OUT, G/TOWN WTP-WATER TILE CHAMBER-HAND RAILS	2001	$ 34,287
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2001	$ 217,044
All (except Karuah & Lemon Tree Passage)	Source	CHICHESTER DAM WPS UPGRADE - ELECT, CHICHESTER DAM WPS UPGRADE - MECH, CHICHESTER DAM WPS UPGRADE - TELEM, G/TOWN DAM-STAGE 2-OAKBANK BUND, G/TOWN DAM-STAGE 2-PACIFIC HWY CULVERT, G/TOWN DAM WAVE PROTECTION WORK STAGE 2	2002	$ 6,058,130
All (except Karuah & Lemon Tree Passage)	Raw	LEMON TREE PASSAGE-BORES-TELEMETRY, BOMBING RANGE PS - TOMAGO - CIVIL, BOMBING RANGE PS - TOMAGO - ELECT, BOMBING RANGE PS - TOMAGO - MECH, BOMBING RANGE PS - TOMAGO - TELEM, TOMAGO BORE 24 - CIVIL, TOMAGO BORE 24 - MECH/ELECT, TOMAGO BORE 24 - TELEM, TOMAGO BORE 25 - CIVIL, TOMAGO BORE 25 - MECH/ELECT, TOMAGO BORE 25 - TELEM, TOMAGO BORE 26 - CIVIL, TOMAGO BORE 26 - MECH/ELECT, TOMAGO BORE 27 - CIVIL, TOMAGO BORE 27 - MECH/ELECT, TOMAGO BORE 27 - TELEM, ANNA BAY BOREHOLE-MECH/ELEC-STANDBY EQPT, TOMAGO BORE 20 - CIVIL, TOMAGO BORE 20 - MECH/ELECT, TOMAGO BORE 20 - TELEM, TOMAGO FLOW METER - CIVIL, TOMAGO FLOW METER - ELECTRICAL, TOMAGO FLOW METER - MECHANICAL, TOMAGO FLOW METER - TELEMETRY	2002	$ 6,230,567
All (except Karuah & Lemon Tree Passage)	Treatment	LEMON TREE PASSAGE WTP-CIVIL-UPGRADE, LEMON TREE PASSAGE WTP-MECH/ELEC-UPGRADE, LEMON TREE PASSAGE WTP-TELEMETRY-UPGRADE, ANNA BAY WTW-MECH/ELEC-STANDBY EQUIPMENT, DUNGOG WTP - CIVIL - GUTTER GUARDS, G/TOWN WTW RES - CIVIL - ROOF, WATER CHLORIN UNIT-TOR-VACUUM DOSING-CIV, WATER CHLORIN UNIT-TOR-VACUUM DOSING-ELE, WATER CHLORIN UNIT-TOR-VACUUM DOSING-MEC, DUNGOG WTP-ELECTRICAL-MANGANESE REMOVAL, DUNGOG WTP-MECHANICAL-MANGANESE REMOVAL	2002	$ 4,205,482
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	GRAHAMSTOWN TO TOMAREE PIPELINE	2002	$ 13,748,022
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2002	$ 11,450,024
All (except Karuah & Lemon Tree Passage)	Source	CHI/STER DESTRATIFICATION SYS - CIVIL, CHI/STER DESTRATIFICATION SYS - ELEC, CHI/STER DESTRATIFICATION SYS - MECH, CHI/STER DESTRATIFICATION SYS - TELEM, SEAHAM WEIR - FLOODGATES	2003	$ 854,506
All (except Karuah & Lemon Tree Passage)	Raw	LEMON TREE PASSAGE BORESHED #17, TOMAGO BORE 1 FLOWMETER TELEM, TOMAGO BORE 1 TELEMETRY, TOMAGO BORE 10 TELEMETRY, TOMAGO BORE 11 TELEMETRY, TOMAGO BORE 12 TELEMETRY, TOMAGO BORE 14 TELEMETRY, TOMAGO BORE 15 TELEMETRY, TOMAGO BORE 16 TELEMETRY, TOMAGO BORE 18 FLOWMETER TELEM, TOMAGO BORE 18 TELEMETRY, TOMAGO BORE 2 FLOWMETER TELEM, TOMAGO BORE 2 TELEMETRY, TOMAGO BORE 21 TELEMETRY, TOMAGO BORE 21A FLOWMETER TELEM, TOMAGO BORE 21B FLOWMETER TELEM, TOMAGO BORE 22 TELEMETRY, TOMAGO BORE 23 TELEMETRY, TOMAGO BORE 3 FLOWMETER TELEM, TOMAGO BORE 3 TELEMETRY, TOMAGO BORE 4 FLOWMETER TELEM, TOMAGO BORE 4 TELEMETRY, TOMAGO BORE 5 FLOWMETER TELEM, TOMAGO BORE 5 TELEMETRY, TOMAGO BORE 7 FLOWMETER TELEM, TOMAGO BORE 7 TELEMETRY, TOMAGO BORE 7A TELEMETRY, TOMAGO BORE 8 TELEMTRY, TOMAGO BORE 9 TELEMETRY, TOMAGO BORE 9A TELEMETRY, TOMAGO BORE9 FLOWMETER TELEM	2003	$ 719,849
All (except Karuah & Lemon Tree Passage)	Treatment	CHI/STER DAM CHLORINATOR UPGRADE - CIVIL, CHI/STER DAM CHLORINATOR UPGRADE - ELEC, CHI/STER DAM CHLORINATOR UPGRADE - MECH, CHI/STER DAM CHLORINATOR UPGRADE - TELEM, G/TOWN WTW - UPGRADE CHLORINATOR, G/TOWN WTW - MECH - FALL ARRESTOR AND WI, G'TOWN WTW - FILTER UPGRADE STAGE 1, ANNA BAY WTP - UPGRADE FLUORIDE SYSTEM	2003	$ 1,180,685
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2003	$ 947,219
All (except Karuah & Lemon Tree Passage)	Source	CHICHESTER DAM - FLOOD CAPACITY MODS, G/STOWN STAGE 2 - KOALA HABITAT UTL SURV, SEAHAM WEIR - FLOODGATES 25 & 29	2004	$ 4,059,472
All (except Karuah & Lemon Tree Passage)	Raw	PAC DOSING FACILITY - SCHRODER PS	2004	$ 899,549
All (except Karuah & Lemon Tree Passage)	Treatment	UPGRADE OF PH CONTROL & CHEMICAL MIXING, LEMON TREE PASSAGE - WTW - SECURITY GATE	2004	$ 470,472
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2004	$ 2,958,689
All (except Karuah & Lemon Tree Passage)	Source	Grahamstown Stage 2 Works, Grahamstown Stage 2 Works -	2005	$ 26,357,095
All (except Karuah & Lemon Tree Passage)	Raw	FINGAL BAY SPARE BORE PUMP MOTOR	2005	$ 11,171
All (except Karuah & Lemon Tree Passage)	Treatment	G'TOWN BACKWASH SYSTEM MODIFICATIONS, WATER CHLORIN UNIT - UPGRADE- TANKS PIPE	2005	$ 391,753
All (except Karuah & Lemon Tree Passage)	Headwork	RESERVOIR, DUNGOG 1	2005	$ 147,622
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2005	$ 4,957,461
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	PUMP STATION, MORISSET 3	2006	$ 2,531,848
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2006	$ 4,371,434
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	PUMP STATION, FENNELL BAY 1	2007	$ 1,395,390
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2007	$ 2,722,311
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2008	$ 7,199,369
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2009	$ 2,025,567
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2010	$ 17,281,043
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2011	$ 4,114,106
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2012	$ 35,320,532
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2013	$ 15,239
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2014	$ 369,089
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2015	$ 4,454,908
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Black Hill WPS	2015	$ 5,283,598
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2016	$ 8,513,747
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2017	$ 3,412,449
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2018	$ 3,132,276
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2019	$ 290,160
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Four Miles Creek Res Post 1996	2019	$ 1,530,474
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2020	$ 32,180,122
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Black Hill Reservoir	2020	$ 3,793,438
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2021	$ 22,777
All (except Karuah & Lemon Tree Passage)	Bulk Supply	Bulk Supply - Linear Asset	2022	$ 28,435
All (except Karuah & Lemon Tree Passage)	Bulk Supply/Potable	Central Coast 30ML/d (involve works across multiple assets from Teralba, Toronto, Arcadia Vale, Bushell Ridge, Fennel Bay, etc)	2022	$ 9,218,033
All (except Karuah & Lemon Tree Passage)	LHWSP	Purified Recycled Water Demo Plant	2027	$ 6,000,000
All (except Karuah & Lemon Tree Passage)	LHWSP	Upper Hunter Interconnection	2029	$ 321,000,000
All (except Karuah & Lemon Tree Passage)	Trunkmain	Hunter River North Arm Crossing	2032	$ 1,115,817