



## PLANNING SCHEME POLICY

### PLANNING SCHEME POLICY NO. 2 DEVELOPER CONTRIBUTION POLICY – WATER SUPPLY

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#### **SUBJECT: DEVELOPER CONTRIBUTION POLICY – WATER SUPPLY**

- SCOPE:** The Water Supply Area of Calliope Shire:- Namely:-
- The Lake Awoonga Treated Water Supply Area
  - Mount Larcom Water Supply Area
  - Builyan Water Supply Area
  - Yarwun Industrial Water Supply Area

#### **RATIONALE:**

The Council of the Shire of Calliope believes that significant developments will continue to occur in the Shire.

If the developments are well planned and co-ordinated with the provision of services and facilities, all residents, both existing and new to the Shire, will derive benefit and gain improvements to their amenity of life.

The existing residents gain from the provision of a wider range of facilities that a larger population is able to support. Similarly the new residents benefit from all the infrastructure that was present prior to the development.

In formulating a policy for developer contribution towards the provision of a reticulated water supply, Council has weighed up the relative benefits to these two groups in order to be fair and reasonable to both. The existing residents should not be disadvantaged by the new development, nor should the developer be exploited. However, since the new residents are the ones generating the need for additional services, or consuming existing capacity in the existing systems, then they should contribute towards the new services by way of headworks.

The following policy statement clearly sets out the circumstances and the methods of calculation for developer contributions for water supply so that there should be no misunderstanding of the developer's responsibility.

This is to certify that this is a true and correct copy of the Gladstone Regional Council's (former Calliope Shire area) Planning Scheme Policy.

Graham Kanofski  
Chief Executive Officer

Adopted: 6 October 2009  
Took Effect: 12 October 2009

## POLICY STATEMENT:

In accordance with the provisions of the Integrated Planning Act 1997, Calliope Shire Council has resolved that developer contributions are required to be paid to Council for Water Supply headworks associated with a development requiring Council's approval.

Accordingly, the following criteria and requirements shall apply to any such development. Headworks are defined as those works listed in the attached schedules and specified as follows:-

Schedule "A" - Water Supply Headworks in the Lake Awoonga Treated Water Scheme

Schedule "B" - Water Supply Headworks in the Mt. Larcom Water Supply Scheme.

Schedule "C" - Water Supply Headworks in the Builyan Water Supply Scheme.

Schedule "D" - Water Supply Headworks in the Yarwun Industrial Water Supply Area.

The developer shall contribute to Council the amount of headworks which is appropriate according to the Water Supply Scheme with which the development is associated.

The headworks contribution shall be calculated in accordance with the following formulae:-

- [a] When a material change of use application to Rural Residential, Residential, Village, Commercial or Local Industry the following formula shall apply –

$$HW = A \times P_a \times C_w \times I$$

|                |   |  |
|----------------|---|--|
| Where Hw       | = | Water Supply Headworks contribution  |
| A              | = | Area in hectares of land subject to a material change of use application   |
| P <sub>a</sub> | = | The increase in equivalent demand ratio in terms of equivalent population density per gross hectare which would result from approval of the application. Refer Table 1.                  |
| C <sub>w</sub> | = | Contribution per an equivalent person. Refer Table 2.  |
| I              | = | Legislated rise and fall index rate effective 1 July 2009. In lieu of any legislated rate, the Engineering Construction Index (ABS Cat 6427) shall be utilised, commencing 1 July 2009.. |

- [b] When the application is for a material change of use to any other zone other than those listed in [a] above, the headworks shall be calculated using the actual demands of the particular development on the associated Water Supply Scheme and the following formula shall apply:-

$$HW = f \times C_w \times I$$

|                |   |  |
|----------------|---|--|
| Where HW       | = | Water Supply Headworks contribution  |
| F              | = | The increase in annual average flow converted to an equivalent population that is anticipated to result from the proposed development.   |
| C <sub>w</sub> | = | Contribution per an equivalent person. Refer Table 2.  |
| I              | = | Legislated rise and fall index rate effective 1 July 2009. In lieu of any legislated rate, the Engineering Construction Index (ABS Cat 6427) shall be utilised, commencing 1 July 2009.. |

- [c] When Council's approval is required under any Planning Scheme for a material change of use, or for reconfiguration of an allotment or endorsement of plans under the Body Corporate and Community Management Act 1997, the headworks shall be calculated using the following formula:-

$$HW = P_p \times C_w \times I$$

- Where HW = Water Supply Headworks contribution  
 $P_p$  = The increase in equivalent demand ratio in terms of equivalent population which would result from approval of the application. Refer Table 3.  
 $C_w$  = Contribution per an equivalent person. Refer Table 2.  
 $I$  = Legislated rise and fall index rate effective 1 July 2009. In lieu of any legislated rate, the Engineering Construction Index (ABS Cat 6427) shall be utilised, commencing 1 July 2009..

Factors listed in Tables 1, 2 and 3 have been determined by Council and shall be used in the appropriate formula for the calculation of headworks for the relevant Water Supply Scheme.

**TABLE 1**  
**Determination of change in equivalent population  $P_a$**

| <b>Planning Scheme Zone</b>    | <b>Equiv. Population per gross ha. for determination of <math>P_a</math></b> |
|--------------------------------|--|
| Rural                          | 0  |
| Rural Residential              | 4.4 see Appendix No. 1   |
| Village                        | 23 see Appendix No. 1  |
| Residential (dwelling house) * | 29 see Appendix No. 1  |
| Commercial                     | 30   |
| Local Industry                 | 30   |
| All other zones                | to be assessed by Council on an individual development basis                 |

\* Further headworks are payable for higher density development

**TABLE 2**  
**Determination of Contribution per equivalent person  $C_w$**   
**Refer to Schedules A,B,C,D for details**

|  |              |
|--|--------------|
| <b>(a) LAKE AWOONGA TREATED WATER SUPPLY SCHEME</b>                      |              |
| <b>(Tannum Sands, Boyne Island, Benaraby, Wurdong Heights, Calliope)</b> |              |
| Value of Future Works Required   | \$66,649,671 |
| Present Value of Future Works  | \$36,015,501 |
| Less net Current Balance in Water Reserve (2009)                         | \$Nil        |
|  | \$           |
| Future ET Population ( $ET_F$ ) (2028)                                   | 9,242        |
| Present Value of Future population ET increase                           | 7,567        |
| Current Replacement Cost of Existing Trunk Infrastructure (CCR)          | \$26,442,121 |
| Current ET Population ( $ET_E$ ) (2009)                                  | 5,724        |
| Required Developer Contribution is:                                      | \$8,254/ET   |
| Charge per EP ( $C_w$ )  | \$2,846/EP   |
| <br>   |              |
| <b>(b) MOUNT LARCOM WATER SUPPLY SCHEME</b>                              |              |
| <b>(The current scheme is up to full capacity)</b>                       |              |
| Value of Future Works Required   | \$0          |
| Future ET Population ( $ET_F$ ) limited any further growth               | 150          |
| Present value of Future Population increase (ET)                         | 143          |
| Current Replacement Cost of Existing Trunk Infrastructure (CCR)          | \$2,202,600  |
| Current ET Population ( $ET_E$ ) (2009)                                  | 133          |
| Therefore available population for Developer Contributions               | 17ET         |
| Required Developer Contribution is:                                      | \$15,439/ET  |
| Charge per EP ( $C_w$ )  | \$5,324/EP   |

(c) **BUILYAN WATER SUPPLY SCHEME**

In April 2009, this scheme became the responsibility of the Builyan Water Supply Association. As such, there is no applicable contribution required by Council..

(d) **YARWUN INDUSTRIAL WATER SUPPLY SCHEME**

The contribution per Equivalent person is not determined. This Scheme currently provides water to major industrial complexes and under the guidance of the Planning Scheme this will continue into the future.

As such, the timing and quantum of water demand is not able to be predicted and more appropriately will be the subject of direct discussion with the prospective industrial developer during the Environmental Impact process that accompanies such major prescribed development works.

**TABLE 3**  
**Determination of Equivalent population per development P<sub>p</sub>.**

| <b>Development</b>                                      | <b>Unit of Development.</b>                          | <b>P<sub>p</sub><br/>E.P./Unit</b> |
|---|--|------------------------------------|
| Residential - reconfiguration                           | Allotment  | 2.9                                |
| Residential – duplex                                    | Dwelling Unit  | 2.6                                |
| Residential – multiple unit, aged persons accommodation | Dwelling Unit  | 2.6                                |
| Residential – accommodation building, motel, resort     | Dwelling Unit  | 1.8                                |
| Village - reconfiguration                               | Allotment  | 2.9                                |
| Hotel (residential component)                           | Dwelling Unit  | 1.8                                |
| Caravan & Relocatable Home Park                         | Site   | 2.0                                |
| Service Station   | Allotment  | 6.4                                |
| Institution   | Bed  | 2.0                                |
| Other Uses  | to be assessed by Council on an individual use basis |                                    |

Headworks contributions are payable to Council at the time of issue of the latest authority to proceed with the actual development leading to the increase in demand on services.

Council may allow the headworks contribution relating to a development requiring Council's approval to be guaranteed by appropriate agreement and securities. Such

agreements and securities shall be lodged prior to the commencement of the use and forms part of the approval.

Such agreements would include provision for the duration of the guarantee, conditions pertaining to default, and rise and fall provisions for calculating actual headworks payable.

The headworks contribution payable for a development shall be determined as accurately as possible utilising the most appropriate formula that best reflects the increased equivalent population demand for the particular development.

Headworks contribution is payable only once for the same increase in demand for a particular parcel of land or development. However, the full increase in demand will be used in assessing the total headworks payable at each point of approval by Council.

### **WORKS EXTERNAL**

Those works that are necessary to connect the development, at full demand, to Council's existing reticulation system at a location and in such a manner so that the existing system has sufficient capacity to supply the needs of the development are deemed to be Works External.

In the circumstances where a development is of such a type, size, location or nature, so that the projected headworks as listed in the Schedules attached hereto are not adequate to cope with the demand that would be generated by the development, Council reserves the right to require the developer to carry out at his full cost, the necessary works as Works External to accommodate the full demand of the development.

The developer shall be responsible for the total cost of provision of Works External.

The developer may be required to enter into an agreement and provide securities as determined by Council for the provision of Works External.

Where certain external works form part of the future reticulation system, the developer shall be responsible for the cost of providing the level of facilities necessary for the full demand of his development. Council reserves the right to require this cost to be paid by the developer as a contribution towards the provision of a larger facility, provided by Council at this time to facilitate not only the current development, but also future developments. Such additional costs may be funded from headworks contributions as listed in the schedules of this policy.

### **INTERNAL WATER RETICULATION**

The developer is required to provide water reticulation to every appropriate lot or section of the development within the bounds of the development at his full cost for the level of facilities necessary for the full demand of his development.

Where certain internal works form part of the general reticulation system and the facility needs to be larger than the individual development requirements, Council reserves the right to require the developer to pay a contribution equivalent to the cost of the provision of the individual reticulation requirement. The additional cost associated with providing the "oversized" facility may be derived by Council from headworks as specified in the Schedules of this policy.

**APPENDIX NO. 1**  
**P<sub>a</sub> Determinations**

|                           |                            |                    |
|---------------------------|----------------------------|--------------------|
| <b>Rural Res</b>          |                            |                    |
|                           | Average population per lot | = 2.9 Census Stat. |
|                           | No. of lots/ha             | = 1.5              |
|                           | therefore E.P./ha          | = 4.4              |
|                           |                            |                    |
| <b>Residential Zone *</b> |                            |                    |
|                           | Average pop./lot           | = 2.9              |
|                           | No. of lots/ha             | = 10               |
|                           | Therefore E.P./ha          | = <u>29</u>        |

\* Further headworks are payable for higher density development

**SCHEDULE "A"**  
**LAKE AWOONGA TREATED WATER SUPPLY WATER HEADWORKS**  
**(Forward Program)**

***Calliope Shire Council***  
***Infrastructure Charges for Water Infrastructure***

***NEW Assets***

| <b>Active Assets</b>  |                   |                      |              |                |
|---|-------------------|----------------------|--------------|----------------|
| <b>Boyne / Tannum / Calliope Village</b>                                |                   |                      |              |                |
| <b>Asset Type</b>   | <b>Subsidy</b>    | <b>Proposed Date</b> | <b>CRC</b>   | <b>Adj CRC</b> |
| <b>Passive Assets</b>   |                   |                      |              |                |
| <b>Asset Description</b>  | <b>Multiplier</b> |                      | <b>CRC</b>   | <b>Adj CRC</b> |
| 375NB Dawson Hwy main Extension A                                       | 1                 | 2009                 | \$ 370,000   | \$ 444,000     |
| 150NB Herbertson Rd Main  | 1                 | 2020                 | \$ 170,000   | \$ 212,500     |
| 150NB Pujola Street Loop  | 1                 | 2008                 | \$ 30,000    | \$ 36,000      |
|   |                   |                      |              | \$ -           |
| Archer Street Valving Alterations                                       | 1                 | 2008                 | \$ 20,000    | \$ 24,000      |
| 300NB Main - Silverdale Res to Stowe Rd Stage 1                         | 1                 | 2014                 | \$ 280,000   | \$ 350,000     |
| 375NB Dawson Hwy Main Extension B                                       | 1                 | 2009                 | \$ 340,000   | \$ 408,000     |
| 300NB Don Cameron Drive Upgrade to Walker Dr                            | 1                 | 2050                 | \$ 230,000   | \$ 299,000     |
| 200NB Farmer Street Link to Brown Street                                | 1                 | 2050                 | \$ 30,000    | \$ 39,000      |
| 300NB Don Cameron drive Upgrade from Walker Dr                          | 1                 | 2012                 | \$ 460,000   | \$ 552,000     |
|   |                   |                      |              | \$ -           |
| 6ML No 2 Reservoir - Mt Elizabeth                                       | 1                 | 2021                 | \$ 2,180,000 | \$ 2,725,000   |
| Acquire New Reservoir Site on L5 SP190794                               | 1                 | 2021                 | \$ 500,000   | \$ 625,000     |
| New Calliope Booster PS (120 l/s)                                       | 1                 | 2021                 | \$ 900,000   | \$ 1,125,000   |
| New South Gladstone Booster PS (120 l/s)                                | 1                 | 2021                 | \$ 770,000   | \$ 962,500     |
| 600NB Parallel Trunk Main - Mt Elizabeth to X-Roads                     | 1                 | 2024                 | \$ 1,950,000 | \$ 2,535,000   |
| 375NB Dawson Hwy Main Extension C                                       | 1                 | 2035                 | \$ 570,000   | \$ 741,000     |
| 300NB Main - Silverdale Res to Stowe Rd Stage 2                         | 1                 | 2025                 | \$ 280,000   | \$ 364,000     |
|   |                   |                      |              | \$ -           |
| 450NB Zone 2 Reticulation Main A  | 1                 | 2037                 | \$ 1,680,000 | \$ 2,184,000   |
| 300NB Main - Silverdale Res to Stowe Rd Stage 3                         | 1                 | 2035                 | \$ 280,000   | \$ 364,000     |
|   |                   |                      |              | \$ -           |
| 12 ML No 1 Reservoir Res Site 2 (L5 SP190794)                           | 1                 | 2045                 | \$ 3,320,000 | \$ 4,316,000   |
| 375 NB RM New PS to new Res Site {350 m}                                | 1                 | 2045                 | \$ 240,000   | \$ 312,000     |
| 450 NB Retic main From Reservoir {600m}                                 | 1                 | 2045                 | \$ 440,000   | \$ 572,000     |
| 450NB Zone 2 Reticulation Main B  | 1                 | 2053                 | \$ 240,000   | \$ 312,000     |
| 450NB RM Sth Gladstone to Calliope Stg 1 (10 km )                       | 1                 | 2051                 | \$ 7,280,000 | \$ 9,464,000   |
| Upgrade Calliope PS pumping capacity - 170 l/s                          | 1                 | 2051                 | \$ 330,000   | \$ 429,000     |
| 450NB RM Sth Gladstone to Calliope Stg 2 (3.2 km)                       | 1                 | 2064                 | \$ 2,330,000 | \$ 3,029,000   |
| Pumps to Reservoir Site 2 Upgraded to 220 l/s                           | 1                 | 2064                 | \$ 650,000   | \$ 845,000     |
| Purchase of 375NB Sth Gladstone to Calliope Main                        | 1                 | 2064                 | \$ 3,850,000 | \$ 5,005,000   |
|   |                   |                      |              | \$ -           |
| <b>SOURCE: Tannum Boyne Cap Program (update dated 2 June)</b>           |                   |                      |              | \$ -           |
| • Isolate the GAWB 300NB main from 450/375/600 main. GAWB Works         |                   | 2007                 | \$ -         | \$ -           |
|   |                   |                      | \$ -         | \$ -           |
| • 200NB Curtis Ave link main.   |                   | 2008                 | \$ 120,000   | \$ 144,000     |
| • 150NB main from existing Leferink Rd along full length of Ronald Crs. |                   | 2008                 | \$ 224,000   | \$ 268,800     |
| • 200NB upgrade of existing O'Connor Road main.                         |                   | 2008                 | \$ 59,000    | \$ 70,800      |
|   |                   |                      | \$ -         | \$ -           |
| • 200NB loop main Harbottle Rd to Boyne River Bridge.                   |                   | 2009                 | \$ 679,000   | \$ 814,800     |
| • 150NB Yalkarra Crs upgrade.   |                   | 2009                 | \$ 78,000    | \$ 93,600      |
| • 150NB Kanangra Rd upgrade.  |                   | 2009                 | \$ 52,000    | \$ 62,400      |
| • 150NB Kanangra Rd upgrade.  |                   | 2009                 | \$ 37,000    | \$ 44,400      |
| • 150NB Illoura Rd upgrade  |                   | 2009                 | \$ 68,000    | \$ 81,600      |
| • 150NB Yalkarra Crs upgrade.   |                   | 2009                 | \$ 73,000    | \$ 87,600      |

Amended Policy took effect: 12 October 2009



# Calliope Shire Council

## Infrastructure Charges for Water Infrastructure

### NEW Assets

| Active Assets  |            |               |              |              |
|--|------------|---------------|--------------|--------------|
| Boyne / Tannum / Calliope Village  |            |               |              |              |
| Asset Type   | Subsidy    | Proposed Date | CRC          | Adj CRC      |
| Passive Assets   |            |               |              |              |
| Asset Description  | Multiplier |               | CRC          | Adj CRC      |
| • Upgrade Golegumma Main & Install 300NB metered tee for Benaraby Feed.        |            | 2009          | \$ 2,554,000 | \$ 3,064,800 |
| • Decommission GAWB main - Golegumma line to Awoonga Dam Road. GAWB            |            | 2009          | \$ -         | \$ -         |
| • Alter Benaraby Booster - South Gladstone to Wurdong Reservoir.               |            | 2009          | \$ 30,000    | \$ 36,000    |
| • New 300NB trunk retic. main Golegumma Main to Awoonga Dam Road.              |            | 2009          | \$ 667,000   | \$ 800,400   |
| • Utilize the 450/375/600 main with Glen Eden Booster. GAWB Works              |            | 2009          | \$ -         | \$ -         |
| • Re-commission Glen Eden Booster Pumps. GAWB Works.                           |            | 2009          | \$ -         | \$ -         |
| • 375NB rising main from GAWB Main to BITS Club.                               |            | 2009          | \$ 2,222,000 | \$ 2,666,400 |
| • 450NB rising main from BITS Club to Broadacres Reservoir.                    |            | 2009          | \$ 4,800,000 | \$ 5,760,000 |
| • Remove Coronation Drive pump station.  |            | 2009          | \$ 40,000    | \$ 48,000    |
| • Remove NRV's.  |            | 2009          | \$ 30,000    | \$ 36,000    |
| • Remove zone separation in Tannum Sands.                                      |            | 2009          | \$ 6,000     | \$ 7,200     |
|  |            |               | \$ -         | \$ -         |
| • 450NB main linkage from Broadacres Res. to Tannum Road                       |            | 2010          | \$ 1,223,000 | \$ 1,467,600 |
| • 450NB main extension Tannum Sands Road from Res. access to Silverton Dr      |            | 2010          | \$ 1,847,000 | \$ 2,216,400 |
| • 300NB main from Benaraby booster to current connection in Helen Cres.        |            | 2010          | \$ 593,000   | \$ 711,600   |
| • Acquisition of reservoir site on Lilly Hills.                                |            | 2010          | \$ 225,000   | \$ 270,000   |
| • New 3ML Lilly Hills Reservoir.   |            | 2010          | \$ 1,410,000 | \$ 1,692,000 |
| • 300NB Rising Main from Handley Drive to Lilly Hills Reservoir.               |            | 2010          | \$ 407,000   | \$ 488,400   |
| • 300NB Retic. Main from Lilly Hills Reservoir to 300NB main on Boyne Island P |            | 2010          | \$ 615,000   | \$ 738,000   |
|  |            |               | \$ -         | \$ -         |
| • 200NB main from Tannum Rd 450NB main along Dahl Rd.                          |            | 2011          | \$ 392,000   | \$ 470,400   |
| • 200NB main link to Tannum Waters from Applin Pl.                             |            | 2011          | \$ 246,000   | \$ 295,200   |
| • 200NB Turich Distribution Main.  |            | 2011          | \$ 1,027,000 | \$ 1,232,400 |
|  |            |               | \$ -         | \$ -         |
| • 200NB main linkage Hampton Dr b/w Pacific Ave and Cremorne Dr.               |            | 2012          | \$ 68,000    | \$ 81,600    |
|  |            |               | \$ -         | \$ -         |
| • 300NB main linkage Tannum Rd b/w Coronation Dr and Hampton Dr.               |            | 2013          | \$ 220,000   | \$ 275,000   |
|  |            |               | \$ -         | \$ -         |
| • 300NB main from Boyne Road to Pioneer Dr via Dennis Park.                    |            | 2014          | \$ 277,000   | \$ 346,250   |
| • 200NB main extension on Coronation Drive to Dahl Rd.                         |            | 2014          | \$ 366,000   | \$ 457,500   |
| • Acquire land for 6ML Benaraby Reservoir.                                     |            | 2014          | \$ 225,000   | \$ 281,250   |
| • New 6ML Benaraby Reservoir.  |            | 2014          | \$ 2,171,000 | \$ 2,713,750 |
| • Extend 300NB Rising Main - Awoonga Dam Road to new Reservoir.                |            | 2014          | \$ 377,000   | \$ 471,250   |
| • Decommission 300NB connection into 200NB Awoonga Dam Road main.              |            | 2014          | \$ 19,000    | \$ 23,750    |
| • New 300NB retic. main - Benaraby Reservoir to 200NB main Awoonga Dam P       |            | 2014          | \$ 423,000   | \$ 528,750   |
| • New 300NB retic. main - Benaraby Reservoir to Leferink Road                  |            | 2014          | \$ 157,000   | \$ 196,250   |
|  |            |               | \$ -         | \$ -         |
| • 375NB main feed to Tannum Waters from Res.                                   |            | 2016          | \$ 196,000   | \$ 245,000   |
| • 200NB main joining existing and [BB15] along Leferink Rd.                    |            | 2016          | \$ 626,000   | \$ 782,500   |
|  |            |               | \$ -         | \$ -         |
| • 300NB extension of main toward Cemetery boundary.                            |            | 2017          | \$ 312,000   | \$ 390,000   |
| • Acquire 'Heidelberg' Reservoir site land.                                    |            | 2017          | \$ 450,000   | \$ 562,500   |
| • New 10ML "Heidelberg" Reservoir.   |            | 2017          | \$ 3,000,000 | \$ 3,750,000 |
| • Recommission 200NB rising main South Trees Inlet to Gladstone-Benaraby       |            | 2017          | \$ 75,000    | \$ 93,750    |
| • Construct Temporary Pump Station at BITS.                                    |            | 2017          | \$ 507,000   | \$ 633,750   |
| • New 200NB rising main Reservoir to [BT20].                                   |            | 2017          | \$ 165,000   | \$ 206,250   |
| • New 450NB reticulation trunk main Reservoir to general retic.                |            | 2017          | \$ 176,000   | \$ 220,000   |

Amended Policy took effect: 12 October 2009

# Calliope Shire Council

## Infrastructure Charges for Water Infrastructure

### NEW Assets

| Active Assets  |            |               |              |               |
|--|------------|---------------|--------------|---------------|
| Boyne / Tannum / Calliope Village  |            |               |              |               |
| Asset Type   | Subsidy    | Proposed Date | CRC          | Adj CRC       |
| Passive Assets   |            |               |              |               |
| Asset Description  | Multiplier |               | CRC          | Adj CRC       |
| • 300NB Heidelberg Distribution main.  |            | 2018          | \$ 554,000   | \$ 692,500    |
|  |            |               |              | \$ -          |
| • Upgrading and re-aligning the 375NB main passing adjacent the red mud dam  |            | 2020          | \$ -         | \$ -          |
| • Upgrade Glen Eden booster pumps from 175 l/s to 200 l/s. GAWB works.       |            | 2020          | \$ -         | \$ -          |
| • 375NB Heidelberg Distribution main.  |            | 2020          | \$ 986,000   | \$ 1,232,500  |
|  |            |               | \$ -         | \$ -          |
| • Install 300NB metered tee for 'Low Level' Reservoir Feed. GAWB Works       |            | 2022          | \$ -         | \$ -          |
| • Acquire land for 2ML low Level Reservoir.                                  |            | 2022          | \$ 150,000   | \$ 187,500    |
| • New 2ML low level Reservoir.   |            | 2022          | \$ 790,000   | \$ 987,500    |
| • New 300NB main, from tee to 'Low Level' Reservoir.                         |            | 2022          | \$ 20,000    | \$ 25,000     |
| • Connection of Reservoir to Township Reticulation.                          |            | 2022          | \$ 5,869,000 | \$ 7,336,250  |
|  |            |               | \$ -         | \$ -          |
| • 300NB Heidelberg Distribution main.  |            | 2025          | \$ 895,000   | \$ 1,163,500  |
| • 200NB main Leferink to Awoonga via "Owbridge" property.                    |            | 2025          | \$ 451,000   | \$ 586,300    |
| • 200NB main from Awoonga Dam Rd existing main to main [3E].                 |            | 2025          | \$ 106,000   | \$ 137,800    |
|  |            |               | \$ -         | \$ -          |
| • Decommission Glen Eden Booster. GAWB works                                 |            | 2027          | \$ -         | \$ -          |
| • New Toolooa Booster Pump Station. GAWB works.                              |            | 2027          | \$ -         | \$ -          |
| • Additional 15 ML Reservoir at Broadacres.                                  |            | 2027          | \$ 3,800,000 | \$ 4,940,000  |
| • Extend 450NB rising main to new reservoir.                                 |            | 2027          | \$ 224,000   | \$ 291,200    |
| • 600NB retic. main linking 15ML & 6 ML Broadacres reservoirs.               |            | 2027          | \$ 265,000   | \$ 344,500    |
|  |            |               | \$ -         | \$ -          |
| • New PS at Toolooa Bends, GAWB works.                                       |            | 2028          | \$ -         | \$ -          |
| • Upgrade feed main to Benaraby Booster to 120l/s capacity. GAWB Works.      |            | 2028          | \$ -         | \$ -          |
|  |            |               | \$ -         | \$ -          |
| • 200NB Heidelberg Distribution main.  |            | 2030          | \$ 839,000   | \$ 1,090,700  |
|  |            |               | \$ -         | \$ -          |
| • 600NB main along Broadacres Access Rd.                                     |            | 2033          | \$ 1,090,000 | \$ 1,417,000  |
|  |            |               | \$ -         | \$ -          |
| • 300NB Heidelberg Distribution main.  |            | 2037          | \$ 401,000   | \$ 521,300    |
| • 600NB Turich Distribution Main.  |            | 2037          | \$ 450,000   | \$ 585,000    |
|  |            |               | \$ -         | \$ -          |
| • 200NB Turich Distribution Main.  |            | 2038          | \$ 664,000   | \$ 863,200    |
| • Upgrade South Gladstone to Toolooa main (300) to a 600NB main. GAWB W      |            | 2038          | \$ -         | \$ -          |
| • Additional pump set - Toolooa Pump Station to 'Heidelberg' Reservoir. GAWB |            | 2038          | \$ -         | \$ -          |
| • Install 600NB tee at Hughs Road for 'Heidelberg' Feed. GAWB Works          |            | 2038          | \$ -         | \$ -          |
| • New 600NB rising main Toolooa Bends to 'Heidelberg' Reservoir              |            | 2038          | \$ 8,920,000 | \$ 11,596,000 |
| • Decommission rising main [BT20] and 'BITS' pump station [BT21].            |            | 2038          | \$ 30,000    | \$ 39,000     |
| • 250NB Heidelberg Distribution main.  |            | 2040          | \$ 375,000   | \$ 487,500    |
| • 300NB main from [BB7] to Northern section.                                 |            | 2040          | \$ 637,000   | \$ 828,100    |

# Calliope Shire Council

## Infrastructure Charges for Water Infrastructure

### NEW Assets

| Active Assets   |            |               |              |              |
|---|------------|---------------|--------------|--------------|
| Boyne / Tannum / Calliope Village   |            |               |              |              |
| Asset Type  | Subsidy    | Proposed Date | CRC          | Adj CRC      |
| Passive Assets  |            |               |              |              |
| Asset Description   | Multiplier | Proposed Date | CRC          | Adj CRC      |
| • 450NB Turich Distribution Main.   |            | 2041          | \$ 1,946,000 | \$ 2,529,800 |
|   |            |               | \$ -         | \$ -         |
| • 450NB Turich Distribution Main.   |            | 2043          | \$ 355,000   | \$ 461,500   |
| • 300NB Turich Distribution Main.   |            | 2043          | \$ 279,000   | \$ 362,700   |
| • 200NB main from [4L1] to Western section (under railway).                       |            | 2043          | \$ 65,000    | \$ 84,500    |
| • Acquire land for 1.5ML 'Dahl' High Level Reservoir.                             |            | 2043          | \$ 375,000   | \$ 487,500   |
| • New 1.5 ML high level reservoir.  |            | 2043          | \$ 950,000   | \$ 1,235,000 |
| • New PS at 2ML low level reservoir.  |            | 2043          | \$ 395,000   | \$ 513,500   |
| • New 200NB rising main to new Reservoir.   |            | 2043          | \$ 300,000   | \$ 390,000   |
| • Separate the high and low level zones at Yalkarra Cres / Wakooka Drive.         |            | 2043          | \$ 20,000    | \$ 26,000    |
| • New 150NB retic. main from High Level Reservoir to Yalkarra Crescent.           |            | 2043          | \$ 108,000   | \$ 140,400   |
| • New 300NB retic. main from High Level Reservoir to high level network.          |            | 2043          | \$ 138,000   | \$ 179,400   |
| • 300NB Turich Distribution Main.   |            | 2044          | \$ 283,000   | \$ 367,900   |
| • 300NB Turich Distribution Main.   |            | 2044          | \$ 965,000   | \$ 1,254,500 |
| • 300NB Turich Distribution Main.   |            | 2045          | \$ 646,000   | \$ 839,800   |
| • 300NB Turich Distribution Main.   |            | 2046          | \$ 1,297,000 | \$ 1,686,100 |
| • 200NB Turich Distribution Main.   |            | 2048          | \$ 281,000   | \$ 365,300   |
| • 200NB main from High Level Res to 'Northern' Area.                              |            | 2048          | \$ 287,000   | \$ 373,100   |
| • 200NB Turich Distribution Main.   |            | 2049          | \$ 1,156,000 | \$ 1,502,800 |
| • New 600NB rising main 'Heidelberg' to 450NB Broadacres rising main.             |            | 2049          | \$ 5,902,000 | \$ 7,672,600 |
| • New Pump Station 'Heidelberg' reservoir to Broadacres and Lilly Hills reservoir |            | 2049          | \$ 1,509,000 | \$ 1,961,700 |
| • Additional 15ML reservoir at Broadacres site.                                   |            | 2049          | \$ 3,800,000 | \$ 4,940,000 |
| • Extend 450NB rising main to new Reservoir. [BT30]                               |            | 2049          | \$ 222,000   | \$ 288,600   |
| • Extend 600NB reticulation main to link all 3 Broadacres Reservoirs .            |            | 2049          | \$ 237,000   | \$ 308,100   |
|   |            |               | \$ -         | \$ -         |
| • 200NB Turich Distribution Main.   |            | 2050          | \$ 158,000   | \$ 205,400   |
| • 200NB main from [4H1] towards 'looping' section [Int42].                        |            | 2050          | \$ 258,000   | \$ 335,400   |
| • 200NB Turich Distribution Main.   |            | 2051          | \$ 132,000   | \$ 171,600   |
| • 200NB Turich Distribution Main.   |            | 2051          | \$ 1,282,000 | \$ 1,666,600 |
| • 200NB main [4H1] to Western section (under railway).                            |            | 2052          | \$ 316,000   | \$ 410,800   |
|   |            |               | \$ -         | \$ -         |
| • 200NB Turich Distribution Main.   |            | 2054          | \$ 489,000   | \$ 635,700   |
| • Increase pumping capacity at Toolooa booster station. GAWB Works                |            | 2054          | \$ -         | \$ -         |
| • 200NB Turich Distribution Main.   |            | 2055          | \$ 682,000   | \$ 886,600   |
| • 200NB Turich Distribution Main.   |            | 2056          | \$ 754,000   | \$ 980,200   |
| • 200NB Turich Distribution Main.   |            | 2058          | \$ 670,000   | \$ 871,000   |
| Oversizing of Minor mains 150NB to 200NB  |            | 2058          | \$ 400,000   | \$ 520,000   |
| Installation of Minor mains 150NB   |            | 2058          | \$ 520,000   | \$ 676,000   |

**REFERENCE:** Calliope Strategic Water Infrastructure Plan 2007  
Tannum Sands, Boyne Island, Benaraby & Wurdong Heights Water  
Strategic Infrastructure Plan 2009 (DRAFT)

Amended Policy took effect: 12 October 2009

**SCHEDULE "B"**  
**MOUNT LARCOM WATER SUPPLY SCHEME WATER HEADWORKS**  
**(The current scheme is at its full capacity)**

Year Amount

**SCHEDULE "C"**  
**BUILYAN WATER SUPPLY SCHEME WATER HEADWORKS**

This scheme is the responsibility of the Builyan Water Supply Association, and as such, the collection of any contribution is not a function of Council.

**SCHEDULE "D"**  
**YARWUN INDUSTRIAL WATER SUPPLY SCHEME WATER HEADWORKS**

This scheme is specifically for major industrial consumers. The timing and quantum of water is therefore indeterminate and will be the subject of direct negotiation with Council.

The current scheme is operating at its full capacity.

FIRST ADOPTED: **4TH JULY 1997 (AS TRANSITIONAL PLANNING SCHEME POLICY NO. 2.)**

Amendment table

| AMENDMENT DESCRIPTION   | DATE           |
|---|----------------|
| Amended to incorporate IPA terminology                        | 13 April 2007  |
| Amended to incorporate revision of Capital works requirements | 6 October 2009 |

Amended Policy took effect: 12 October 2009