

# Water and Sewer Advisory Committee Meeting

A Water and Sewer Advisory Committee Meeting of Byron Shire Council will be held as follows:

Venue	Conference Room, Station Street, Mullumbimby
Date	Thursday, 21 April 2022
Time	9.00am

Phillip Holloway  
Director Infrastructure Services

I2022/376  
Distributed 14/04/22

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## CONFLICT OF INTERESTS

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**What is a “Conflict of Interests”** - A conflict of interests can be of two types:

**Pecuniary** - an interest that a person has in a matter because of a reasonable likelihood or expectation of appreciable financial gain or loss to the person or another person with whom the person is associated.

**Non-pecuniary** – a private or personal interest that a Council official has that does not amount to a pecuniary interest as defined in the Code of Conduct for Councillors (eg. A friendship, membership of an association, society or trade union or involvement or interest in an activity and may include an interest of a financial nature).

**Remoteness** – a person does not have a pecuniary interest in a matter if the interest is so remote or insignificant that it could not reasonably be regarded as likely to influence any decision the person might make in relation to a matter or if the interest is of a kind specified in the Code of Conduct for Councillors.

**Who has a Pecuniary Interest?** - a person has a pecuniary interest in a matter if the pecuniary interest is the interest of the person, or another person with whom the person is associated (see below).

**Relatives, Partners** - a person is taken to have a pecuniary interest in a matter if:

- The person's spouse or de facto partner or a relative of the person has a pecuniary interest in the matter, or
- The person, or a nominee, partners or employer of the person, is a member of a company or other body that has a pecuniary interest in the matter.

N.B. “Relative”, in relation to a person means any of the following:

- (a) the parent, grandparent, brother, sister, uncle, aunt, nephew, niece, lineal descends or adopted child of the person or of the person's spouse;
- (b) the spouse or de facto partners of the person or of a person referred to in paragraph (a)

**No Interest in the Matter** - however, a person is not taken to have a pecuniary interest in a matter:

- If the person is unaware of the relevant pecuniary interest of the spouse, de facto partner, relative or company or other body, or
- Just because the person is a member of, or is employed by, the Council.
- Just because the person is a member of, or a delegate of the Council to, a company or other body that has a pecuniary interest in the matter provided that the person has no beneficial interest in any shares of the company or body.

### Disclosure and participation in meetings

- A Councillor or a member of a Council Committee who has a pecuniary interest in any matter with which the Council is concerned and who is present at a meeting of the Council or Committee at which the matter is being considered must disclose the nature of the interest to the meeting as soon as practicable.
- The Councillor or member must not be present at, or in sight of, the meeting of the Council or Committee:
  - (a) at any time during which the matter is being considered or discussed by the Council or Committee, or

- (b) at any time during which the Council or Committee is voting on any question in relation to the matter.

**No Knowledge** - a person does not breach this Clause if the person did not know and could not reasonably be expected to have known that the matter under consideration at the meeting was a matter in which he or she had a pecuniary interest.

**Non-pecuniary Interests** - Must be disclosed in meetings.

There are a broad range of options available for managing conflicts & the option chosen will depend on an assessment of the circumstances of the matter, the nature of the interest and the significance of the issue being dealt with. Non-pecuniary conflicts of interests must be dealt with in at least one of the following ways:

- It may be appropriate that no action be taken where the potential for conflict is minimal. However, Councillors should consider providing an explanation of why they consider a conflict does not exist.
- Limit involvement if practical (eg. Participate in discussion but not in decision making or vice-versa). Care needs to be taken when exercising this option.
- Remove the source of the conflict (eg. Relinquishing or divesting the personal interest that creates the conflict)
- Have no involvement by absenting yourself from and not taking part in any debate or voting on the issue as of the provisions in the Code of Conduct (particularly if you have a significant non-pecuniary interest)

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## RECORDING OF VOTING ON PLANNING MATTERS

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### Clause 375A of the Local Government Act 1993 – Recording of voting on planning matters

- (1) In this section, **planning decision** means a decision made in the exercise of a function of a council under the Environmental Planning and Assessment Act 1979:
- (a) including a decision relating to a development application, an environmental planning instrument, a development control plan or a development contribution plan under that Act, but
- (b) not including the making of an order under that Act.
- (2) The general manager is required to keep a register containing, for each planning decision made at a meeting of the council or a council committee, the names of the councillors who supported the decision and the names of any councillors who opposed (or are taken to have opposed) the decision.
- (3) For the purpose of maintaining the register, a division is required to be called whenever a motion for a planning decision is put at a meeting of the council or a council committee.
- (4) Each decision recorded in the register is to be described in the register or identified in a manner that enables the description to be obtained from another publicly available document, and is to include the information required by the regulations.
- (5) This section extends to a meeting that is closed to the public.

**BYRON SHIRE COUNCIL**  
**BUSINESS OF MEETING**

**1. APOLOGIES**

**2. DECLARATIONS OF INTEREST – PECUNIARY AND NON-PECUNIARY**

**3. STAFF REPORTS**

**Infrastructure Services**

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STAFF REPORTS - INFRASTRUCTURE SERVICES

**Report No. 3.1      Committee Constitution**

**Directorate:** Infrastructure Services

5    **Report Author:** Rachel Barnden, Systems Support Officer

**File No:** I2022/363

**Summary:**

10    Attached is Draft Water and Sewer Advisory Committee Constitution 2022 to be ratified by the Committee

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**RECOMMENDATION:**

15    **That the Committee ratify the Committee Constitution**

**Attachments:**

20    1    DRAFT Water and Sewer Advisory Committee Constitution 2022, E2021/148692 , page 7 [↓](#)

## **Report**

The purpose of the Committee is to:

- a) develop policies for addressing the water and sewer cycle management needs and aspirations of the Shire's population in an ecologically sustainable way.
- b) develop strategies for natural resource management / demand management for water and sewer management within the Shire.
- c) recommend on strategies and plans that address water and sewer management issues in a regional/ broader context.

## **Legal/Statutory/Policy Considerations**

- 5 The Constitution has been prepared with reference to Council's Code of Conduct and Code of Meeting Practice.



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**BYRON SHIRE COUNCIL**

**WATER AND SEWER ADVISORY  
COMMITTEE**

**CONSTITUTION**

**DRAFT**

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**INFORMATION ABOUT THIS DOCUMENT**

(INTERNAL USE ONLY)

<b>Date Adopted by Council</b>	TBC	<b>Resolution No.</b>	TBC
<b>Responsibility</b>	Infrastructure Services		
<b>Review Timeframe</b>	Each Term of Council		
<b>Last Review Date:</b>	January 2022	<b>Next Scheduled Review Date</b>	December 2024

***Document History***

<b>Doc No.</b>	<b>Date Amended</b>	<b>Details Comments eg Resolution No.</b>
E2016/90826	29 September 2016	Constitution as adopted by Council 29/09/16

***Further Document Information and Relationships***

<b>Related Legislation</b>	Section 355, Local Government Act (1993)
<b>Related Policies</b>	Code of Conduct 2016 Work Health Safety Policy Code of Meeting Practice
<b>Related Procedures/ Protocols, Statements, documents</b>	

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Constitution: Water and Sewer Advisory Committee

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## **1. Preamble**

The Water and Sewer Advisory Committee is an advisory Committee of the Council and does not have executive power or authority to implement actions.

The role of the Committee is to report to Council and provide appropriate advice and recommendations on matters relevant to this Constitution.

## **2. Purpose**

The purpose of the Water and Sewer Advisory Committee is to:

- a) develop policies for addressing the integrated water cycle management needs and aspirations of the Shire's population in an ecologically sustainable way
- b) develop strategies for natural resource management / demand management for water and sewer management within the Shire
- c) recommend on strategies and plans that address water, sewer, reuse and stormwater management issues in a regional/ broader context

## **3. Timeframe for Committee**

The lifespan of the Water and Sewer Advisory Committee is for the term of Council 2022-2024.

## **4. Responsible Directorate**

This Committee is administered by the Infrastructure Services Directorate. The Director or their delegates will attend these meetings and minutes will be taken by a member of their staff.

## **5. Membership**

Council must appoint all advisory Committee members. Appointment must take place prior to a member being conferred the responsibilities and rights as set out in this document.

Council may release individual members from the advisory Committee at any time by a resolution of Council. Council may also appoint any new members to a Committee at any time by a resolution of Council.

Membership is to include:

- 4 Councillors
- 4 relevantly qualified Byron Shire LGA community representatives
- Byron Shire Council General Manager (and/or staff member delegates)

*Note: Staff members participating on the Committee do not have any voting entitlements.*

Constitution: Water and Sewer Advisory Committee

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## **6. Induction**

All members will be required to participate in an induction process at the establishment of a new Committee, and at any time a replacement voting member joins a Committee. The induction will be scheduled prior to the first meeting of the Committee and will cover topics such as this Constitution, the Code of Meeting Practice, Conflicts of Interest and Code of Conduct.

Replacement voting members will be inducted by experienced Committee members at, or prior to, their first meeting.

## **7. Quorum**

A quorum is to constitute at least half the number of members, two of which are to be Councillors. The General Manager or delegate, who must be a member of staff, is to attend the Advisory Committee meeting and is not counted in the quorum for the meeting.

## **8. Confidentiality**

Members of the Committee will, in those circumstances where confidential matters are subject to deliberation, maintain confidentiality.

## **9. Election of Chairperson**

The position of Chairperson is to be elected from Councillors comprising the Committee but only in circumstances where the Mayor elects not to assume the position of Chairperson.

## **10. Voting**

- a) Each member of the Committee (with the exception of staff members) is to have one vote, with the Chairperson to have a casting vote in addition to a deliberative vote.
- b) Members of the Committee who are not Councillors may abstain from voting in any circumstances without such abstention being recorded in the negative.

## **11. Majority Decision**

A majority decision of the Committee requires a majority of elected members to be present and voting on any item subject to the requirements of a quorum being met at the meeting.

## **12. Convening Meetings**

Meetings will be held as required, generally every quarter. An annual timetable of meetings will be prepared in advance and adopted by Council for the following 12 months.

A meeting of the Committee may be convened in response to either the direction of the Mayor (or in the Mayor's absence the Deputy Mayor) in written form to the General Manager; or two Councillors in written form to the General Manager, or by resolution of the Council.

**13. Agenda Preparation**

It is the responsibility of the chairperson to prepare the agenda in consultation with the relevant Director, setting out the terms of business to be considered.

The agenda is an organised list of the business, in order, that will be transacted at the meeting. An agenda for each meeting, containing a brief report on each item, is to be provided to Committee members and available on Council's website at least 7 days prior to the meeting being held.

Each item of business to discuss at the meeting is required to be listed on the agenda and in written form. Verbal reports at the meeting are not an acceptable practice.

For some matters, it will be necessary to attach other relevant information to the agenda to inform and direct discussion. Such information is to be circulated with the agenda.

Committee members may request items for inclusion in future agendas, through the Chair.

**14. Conduct of Business**

Each item of business is discussed in the order in which it appears on the agenda. No new matters will be introduced at the meeting. New items of business may be included in a future agenda as noted in clause 13 above.

**15. Records of meetings**

- a) The minutes of meetings are to be circulated to members of the group within 7 days of the meeting so that members can provide feedback through the Chair on the draft unconfirmed minutes.
- b) Minutes of Committee meetings will be kept and presented to Council at its next meeting via a report of the Committee meeting.

**16. Absence from Committee Meetings**

All Committee members are required to advise the chair when they are unable to attend Committee meetings. The absence of Committee members from the meeting is to be recorded in the minutes. A Committee member (other than the Mayor) ceases to be a member of a Committee if the member:

- a) Has been absent from three consecutive meetings of the Committee without having given reasons acceptable to the Committee for the member's absence, or
- b) Has been absent from at least half of the meetings of the Committee held during the immediately preceding year without having given to the Committee acceptable reasons for the member's absences.

**17. Project Reference Groups**

Project Reference Groups may be established by Council at the recommendation of the Committee to address issues clearly identified by the Committee.



Constitution: Water and Sewer Advisory Committee

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Project Reference Groups operate in accordance with Council's adopted Constitution template for Project Reference Groups.

## 18. Section 377 Delegation

The Committee does not have any delegated functions pursuant to section 377 of the Local Government Act (1993) and does not have the power to direct staff.

## 19. Meeting Practice

Meetings are to be conducted in accordance with this Constitution and, where required, reference to Council's Code of Meeting Practice.

## 20. Miscellaneous

- a) **Insurance:** All group members are covered by the public liability policy of Council. This insurance does not preclude the Advisory Committee from due diligence and all Council policies must be adhered to.
- b) **Code of Conduct:** All group members to abide by Council's adopted Code of Conduct at all times.
- c) **Pecuniary Interest:** Pecuniary Interest may be defined as an interest that a person has in a matter, as a group member or employee of a company or other body, because of a reasonable likelihood or expectation of appreciable financial gain or loss to the person, or another person with whom the person is associated. Such other person includes the spouse or de-facto partner or relative of the group member.

Section 446 of the Local Government Act states that "a member of a council Committee, other than a Committee that is wholly advisory, must disclose pecuniary interests..."

Even though the Local Government Act provides an exemption to disclose pecuniary interests Council's preference is for all members to declare pecuniary interests where applicable.

- d) **Work Health Safety:** All group members are required to comply with the "Worker Responsibilities" as prescribed in the Work Health Safety Policy.

**Report No. 3.2      Byron STP Condition 9 Additional Load -  
Quarterly Report**

**Directorate:** Infrastructure Services

**Report Author:** Dean Baulch, Principal Engineer, Systems Planning

5    **File No:** I2022/238

**Summary:**

This report is for the Committee's information and reviews compliance with the Byron Bay Sewerage Augmentation Scheme - Conditions of Approval (2002).

10    Condition 9(iii) requires that sufficient reuse (recycled water) capacity be available before the acceptance of any additional load at the treatment plant.

15    In the years since the approval was granted (2002 to date) 2,791 Equivalent Tenements (ET) have been approved, resulting in an additional load of 1.65 ML/day at the treatment plant. The current day operating capacity of the reuse system equates to 2.02ML/day or 3,427ET. Therefore the reuse system provides sufficient capacity to accommodate the additional load as defined in the Conditions of Approval.

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**RECOMMENDATION:**

That the report is noted.

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## Report

The relevant section from Condition 9 of the Approval is Condition 9(iii), which states, “Additional load at West Byron STP will not be accepted until: availability of sufficient reuse capacity to accommodate 100% of the volume of treated effluent generated by the additional load”.

- 5 “Additional Load” is defined in the report as “any sewage load resulting from development consents after the date of this approval”. Date of Approval is 9 December 2002.

- 10 From December 2002 through to March 2022 there have been 2,791 additional Sewer Equivalent Tenements (ET) approved by Council via development consents. This additional load (including approvals for secondary dwellings) is also adjusted based on development applications that have been modified, withdrawn, refused or when the approval expires during the same period. Figure 1 shows the annual approved additional ET load from 2002 to March 2022.

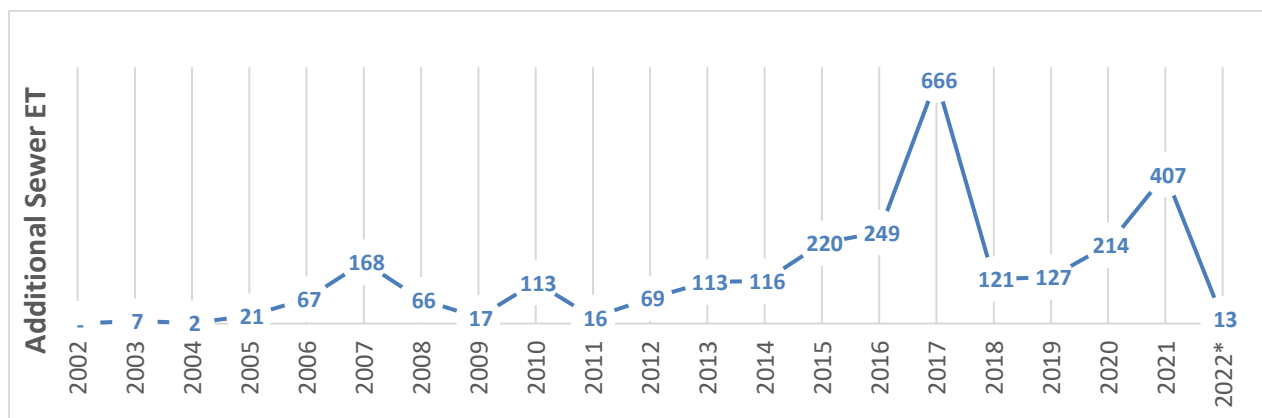


Figure 1 - Equivalent Tenements approved by Council from 2002-March 2022

- 15 The current day operating capacity of the reuse system to produce treated effluent is 26 Litres per second or 2.25ML/day less 10% of water for filter backwash purposes equates to 2.02ML/day or 3,427ET.

	Current Approved ET	Available Capacity (ET)
Condition 9(iii) Additional Load Calculation	2,791	-
Current effluent reuse system capacity 2022	3,427	636

Therefore, the existing reuse system provides sufficient capacity to accommodate the additional load as defined in the Conditions of Approval.

Committee Report Tracking Summary: Condition 9. Additional Load at Byron STP	Current Approved ET	Difference (ET)
30 January 2020	2,408	-
30 July 2020	2,478	70
29 October 2020	2,508	30
18 February 2021	2,738	230
29 April 2021	2,749	11
19 August 2021	2,683	(66)
21 October 2021	2,727	44
18 March 2022	2,791	64

# BYRON SHIRE COUNCIL

## STAFF REPORTS - INFRASTRUCTURE SERVICES

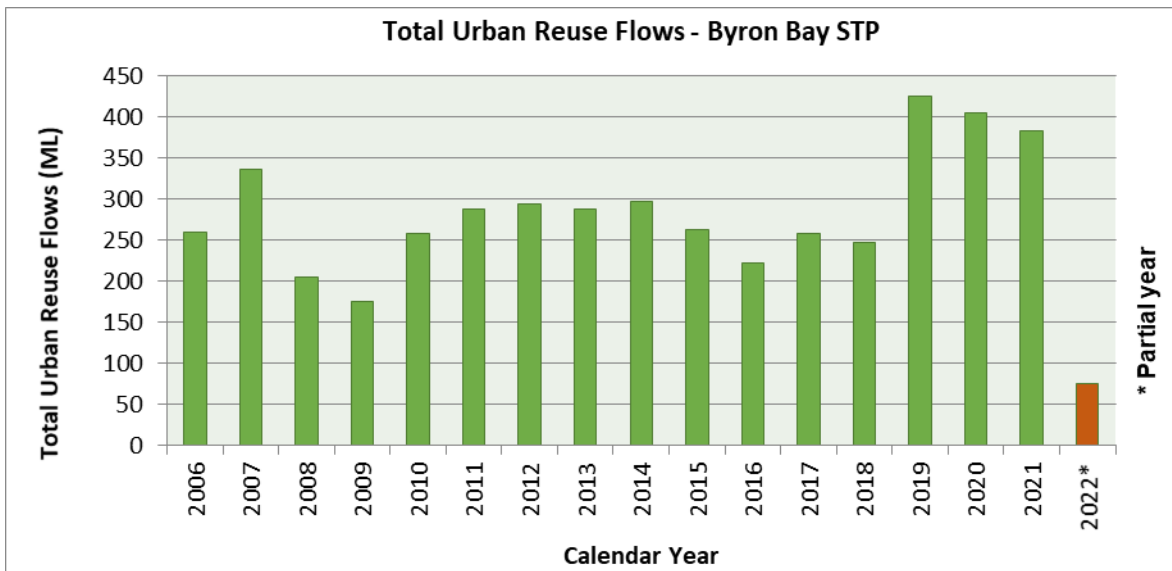
3.2

Note that ET load is adjusted (reduced in some cases) based on development applications that have been modified, withdrawn, refused or the approval expires.

In terms of the actual reuse volumes for Byron Bay since the system was commissioned the following annual figures are provided:

Year	Total Urban Reuse Flows (ML)
2006	258.8
2007	336.1
2008	204.4
2009	174.5
2010	257.2
2011	287.4
2012	294.0
2013	287.2
2014	296.9
2015	261.9
2016	221.8
2017	257.8
2018	246.3
2019	425.3
2020	405.2
2021	382.5
2022*	74.8
* Partial year	

5



## Report No. 3.3      Utilities Overview

**Directorate:** Infrastructure Services

**Report Author:** Cameron Clark, Manager Utilities

**File No:** I2022/291

### 5      **Summary:**

This is the first WWSAC meeting for the current adopted Council, therefore, Council staff have developed a presentation summarising Councils Utilities Departments services provided to Byron Shire Community. The presentation has been developed to allow for open discussion with the committee members.

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### **RECOMMENDATION:**

- 15      1.      **That the committee note the presentation: Infrastructure Services Utilities Overview Presentation to Water & Sewer Advisory Committee 21 April 2022 (E2022/32261)**

### **Attachments:**

- 20      1      Infrastructure Services Utilities Overview Presentation to Water & Sewer Advisory Committee 21 April 2022, E2022/32261 , page 18 [↓](#)

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# Byron Shire Council Utilities

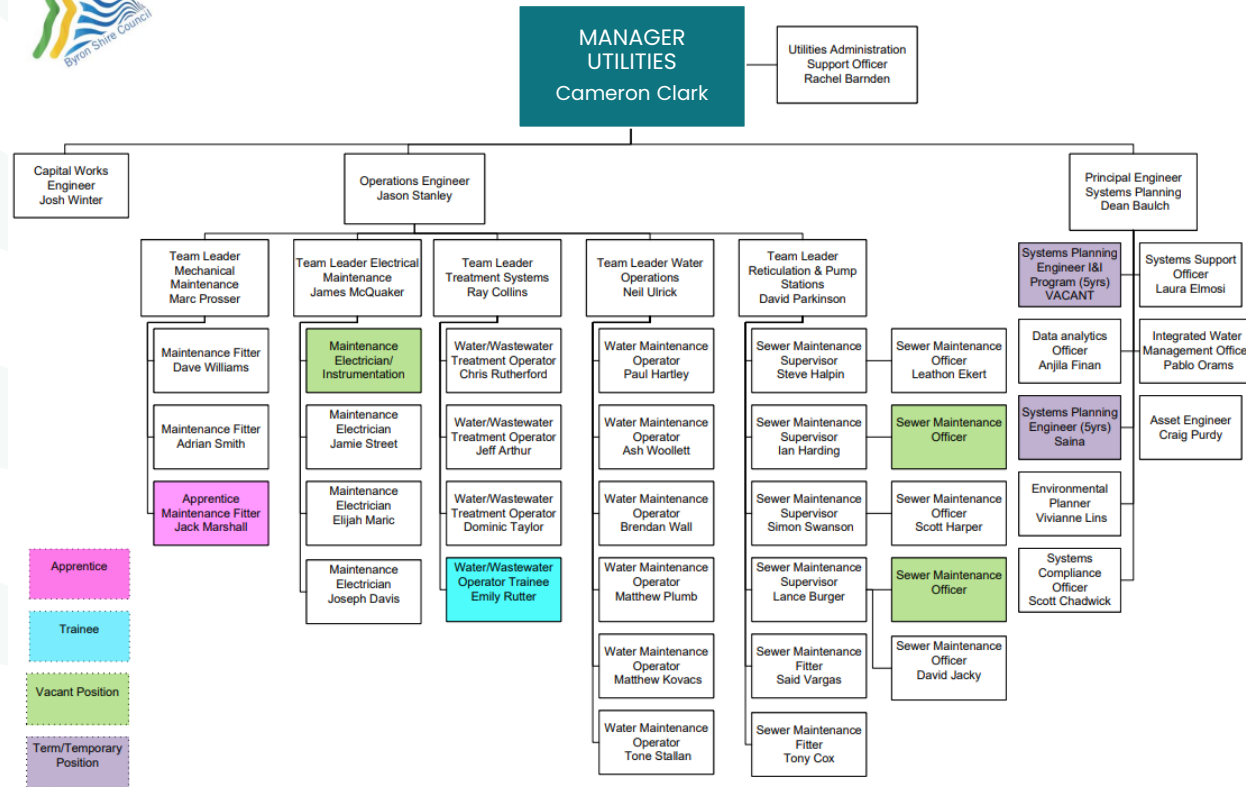
## Overview



# Utilities Structure



## Utilities March 2022



Byron Shire Council Utilities Branch are responsible for delivering integrated water and sewerage services that provides best value for money based on social, environmental and economic considerations.

The Utilities Branch consists of 3 Units:

- **Systems Planning**
- **Capital Works**
- **Operations**



Governance



# Key Legislation



- Local Government Act
- Local Government (General) Regulation 2021
- Work Health and Safety Act 2011
- Water Act 2007
- NSW Water Management Act 2000 No 92
- Environment Protection and Biodiversity Conservation Act 1999
- Environmental Planning and Assessment Act 1979
- Land Acquisition (Just Terms Compensation) Act 1991

# External Stakeholders



- Our Community
- Bundjalung of Byron Bay Aboriginal Corporation (Arakwal)
- Consultants
- Contractors
- Environmental Protection Authority
- Rous County Council (water supply)
- Northern Rivers Joint Organization
- Australian Water Association
- Water NSW
- Department of Planning and Environment
- Crown Lands
- Office of Environment and Heritage
- Department of Primary Industries
- NSW Health
- Tweed Laboratory
- NSW Police
- NSW Fire and Rescue
- NSW Rural Fire Service
- NSW State Emergency Service
- Bureau of Meteorology
- National Parks and Wildlife
- Byron Bay Bird Buddies
- Non-Government Organisations

# Strategies & Plans



- Integrated Water Cycle Management Strategy (30yr Plan) Currently under development
- Strategic Business Plan for Water Supply and Sewerage Services (2016)
- Byron Shire Council Development Servicing Plan for Water Supply and Sewerage (2016)
- Byron Shire Council Drinking Water Management System (DWMS) (2021)
- Byron Shire Recycled Water Management Strategy 2017-2027
- Integrated Water Cycle Management Plan - Water Supply and Sewerage Strategic Plan (2017)
- Mullumbimby Drought Management Plan (2014)
- Regional Water Supply Drought Management Plan (2016)
- Northern Rivers Regional Bulk Water Supply Strategy
- Digital Asset Management Plan (Water, Sewer & Reuse Water) (Draft)
- Operations Environmental Management Plan
- Operational Environmental Management Plan (OEMP) for BBIWMR
- Pollution Incident Response Management Plan
- BSC Wastewater Management System

# Council Policies



- Backflow Prevention 2020
- Access to bulk water from Council water mains 2019
- Building in the Vicinity of Underground Infrastructure 2020
- Liquid Trade Waste 2019
- Pressure Sewerage 2020
- Private sewer pump station 2020
- Reticulated Town Drinking Water Quality 2020
- Urban Recycled Water Connections 2019
- Water and Sewer Equivalent Tenements Policy 2018
- Water Conservation 2019
- Dual Water Reticulation Supply Policy (Draft)

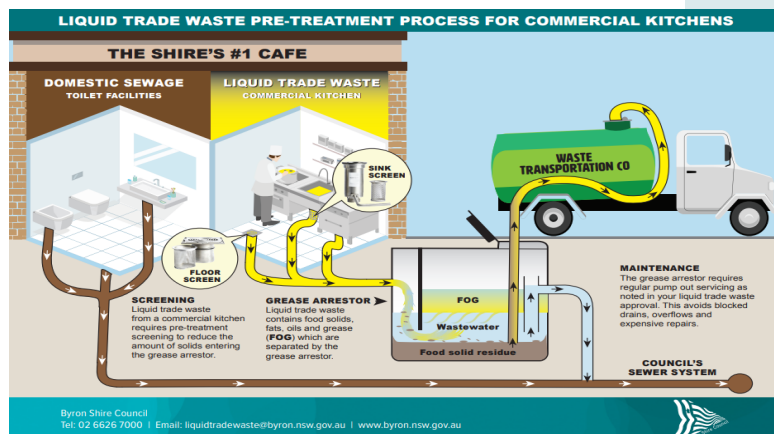
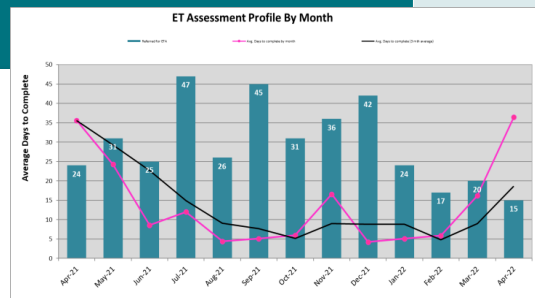


## Systems Planning

# Systems Planning



## Section 307 Certificate of Compliance



## Systems Planning

- Water Utilities in the Water Management Act
- Water and Sewer Systems Planning
- Section 64 Contributions under the LG Act (1993) enables Council to levy developer charges for water supply and sewerage.
- Section 307 Certificates
- Integrated Water Management Strategic Planning
- Liquid Trade Waste Regulation & Compliance
- Asset Maintenance Planning
- Regulation Compliance Reporting
- Water & Wastewater Public Data

# Utilities Assets Overview



Water Hydrants – 2459



Water Treatment Plants – 1



Water Pump Stations – 9



Water Valves – 1606



Water Mains – 1741 (250km)



Dam Weirs – 1



Water Reservoirs – 15



Water Reuse Access Points – 7



Water Reuse Pump Stations – 1



Water Reuse Valves – 163



Water Reuse Mains – 90 (26km)



Water Reuse Filling Stations – 4



Irrigation Systems – 20



Sewer Treatment Plants – 4



Sewer Pump Stations – 87



Sewer Rising Mains – 166 (72km)



Sewer Rising Main Valves – 210



Sewer Gravity Mains – 5187 (195km)



Sewer Gravity Main Valves – 3



Sewer Gravity Manholes – 3941



Vacuum Sewer Mains – 174 (7km)



Vacuum Sewer Valves – 20



Vacuum Sewer Pods – 84



Pressure Sewer Mains – 600 (10km)



Pressure Sewer Boundary Kits – 315



Buildings – 29



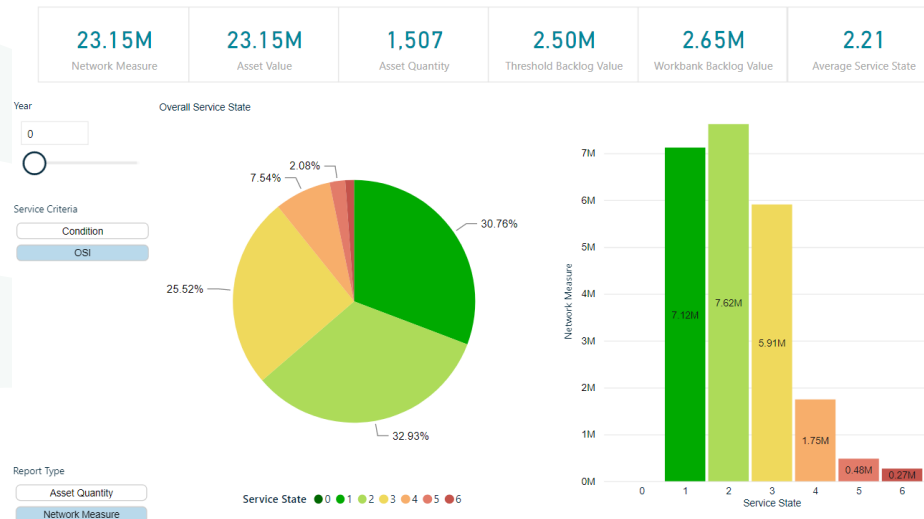
Shelters – 9

# Predictive modelling of Utilities Assets



- Optimise available funding to extend asset life and improve levels of service.
- Apply condition based life cycle degradation profiles to accurately model future asset conditions.
- Produce prioritised long term capital work and financial plans.
- Drive capital investment in regards to agreed levels of service.

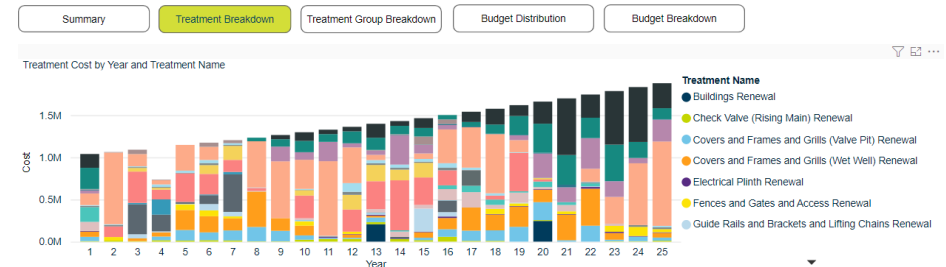
2022 - MAINTAIN - Budget to maintain + 2.5% Inflation



2022 - MAINTAIN - Budget to maintain + 2.5% Inflation

Asset Name	Unique Asset ID	0	1	2	3	4	5	6	7	8	9	10	11	12
SPS1002 Raftons Road Behind 5&7 Palm Tree Crs   (Rising Main)														
SPS1002 Raftons Road Behind 5&7 Palm Tree Crs   Covers and Frames and Grills (Valve Pit)		4.00	0.00	0.00	1.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00	0.00
SPS1002 Raftons Road Behind 5&7 Palm Tree Crs   Covers and Frames and Grills (Wet Well)		4.00	0.00	0.00	1.00	1.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00	3.00
SPS1002 Raftons Road Behind 5&7 Palm Tree Crs   Guide Rails and Brackets and Lifting Chains		2.00	2.00	2.00	3.00	3.00	3.00	3.00	3.00	4.00	4.00	4.00	4.00	4.00
SPS1002 Raftons Road Behind 5&7 Palm Tree Crs   Instrumentation		4.00	4.00	5.00	0.00	0.00	1.00	1.00	2.00	2.00	3.00	3.00	3.00	4.00

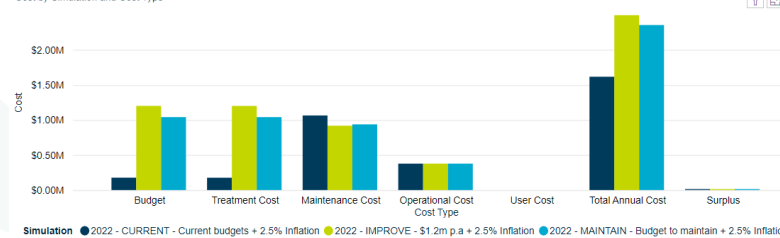
2022 - MAINTAIN - Budget to maintain + 2.5% Inflation





# Predictive Modelling – Compare budgeting scenarios

Cost by Simulation and Cost Type



Budget and Cost Allocation by Simulation

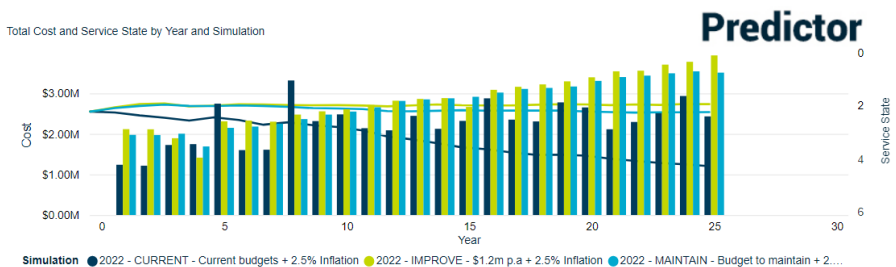
Simulation	Budget	Treatment Cost	Maintenance Cost	Operational Cost	User Cost	Total Annual Cost	Surplus
2022 - CURRENT - Current budgets + 2.5% Inflation	\$176,493.00	\$175,787.50	\$1,063,591.74	\$376,644.45	\$0.00	\$1,616,023.69	\$705.50
2022 - IMPROVE - \$1.2m p.a + 2.5% Inflation	\$1,200,000.00	\$1,199,762.50	\$917,513.02	\$376,644.45	\$0.00	\$2,493,919.97	\$237.50
2022 - MAINTAIN - Budget to maintain + 2.5% Inflation	\$1,040,000.00	\$1,039,862.50	\$906,649.97	\$376,644.45	\$0.00	\$2,353,156.92	\$137.50

Total Backlog

Year	2022 - CURRENT - Current budgets + 2.5% Inflation	2022 - IMPROVE - \$1.2m p.a + 2.5% Inflation	2022 - MAINTAIN - Budget to maintain + 2.5% Inflation
0	\$2,645,525.00	\$2,645,525.00	\$2,645,525.00
1	\$2,469,737.50	\$1,445,762.50	\$1,605,662.50
2	\$2,718,492.19	\$497,996.25	\$827,892.50
3	\$2,802,069.41	\$0.00	\$259,530.64
4	\$2,909,650.78	\$0.00	\$0.00
5	\$3,284,478.04	\$451,431.88	\$564,572.70
6	\$4,074,582.82	\$18,555.09	\$333,991.70
7	\$5,372,859.61	\$0.00	\$298,360.12
8	\$5,569,319.64	\$308,255.93	\$1,068,539.34
9	\$6,752,602.08	\$433,355.45	\$1,425,577.08
10	\$7,504,495.64	\$332,821.98	\$1,434,974.77
11	\$9,208,224.16	\$860,728.85	\$2,068,504.62
12	\$10,752,386.15	\$1,172,743.05	\$2,746,262.98
13	\$11,665,649.72	\$736,124.90	\$2,616,413.96
14	\$12,631,279.47	\$33,911.37	\$2,054,463.94
15	\$13,385,171.65	\$0.00	\$1,607,610.96
16	\$13,725,738.97	\$786,787.98	\$2,072,369.85
17	\$14,525,684.40	\$784,466.00	\$2,069,609.44

Create scenarios to clearly demonstrate the impact of increased, static or decreased funding to ultimately make better informed decisions.

Total Cost and Service State by Year and Simulation



Service State

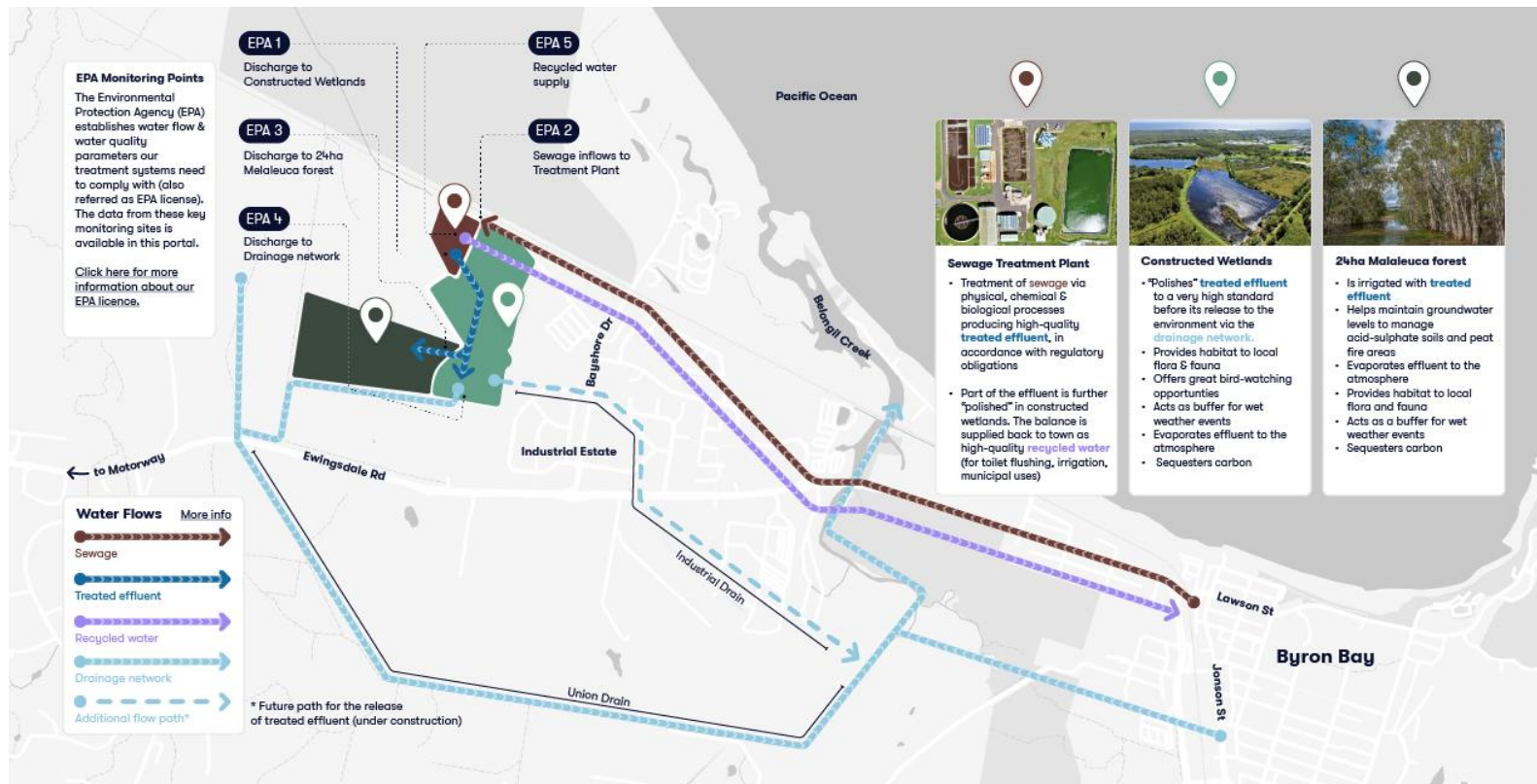
Service Criteria OSI

Year	2022 - CURRENT - Current budgets + 2.5% Inflation	2022 - IMPROVE - \$1.2m p.a + 2.5% Inflation	2022 - MAINTAIN - Budget to maintain + 2.5% Inflation
19	3.76	1.94	2.17
20	3.80	1.95	2.20
21	3.91	1.97	2.22
22	3.99	1.95	2.24
23	4.06	1.97	2.23
24	4.11	1.93	2.23
25	4.18	1.94	2.23



**BYRON  
SHIRE  
COUNCIL**

# Integrated Water Management

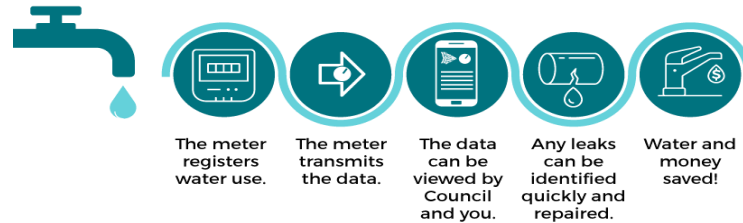


Integrated Water Management encourages less reliance on limited natural water sources with less production of pollutant loads to the receiving environment from sewerage operations.

# Smart water metering



## HOW DO SMART WATER METERS WORK?



## HOW SMART WATER METERS HELP EVERYONE





## Utilities Operations



# Utilities Operations

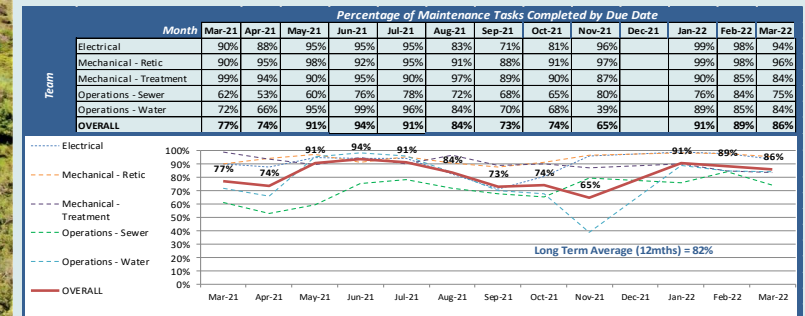


**BYRON  
SHIRE  
COUNCIL**



## Utilities Operations consists of 5 Teams:

- Treatment Systems
- Water Operations
- Sewer Reticulation and Pump Stations
- Mechanical Maintenance
- Electrical Maintenance



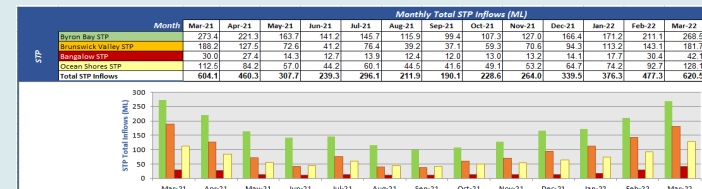


# Utilities Operations



## Operations

- Delivery of potable water (Rous)
- Mullumbimby Water Treatment Plant
- Water and Sewer Network Asset Maintenance
- Sewerage Treatment Plant Operations
- SCADA
- Recycled Water Network Operations
- Byron Integrated Water Management Reserve Operations
- Coordinate Infrastructure Services on-call after hours
- Emergency Management Response back up





## Capital Works

# Upcoming Capital works projects



- RFT 2021-1145 – Fletcher, Bangalow and Carlyle Water Main Replacements, Byron Bay
- RFT2021-1130 Reservoir Roof Replacements Work
- RFT2021-1131 – Reservoir Slope Stability Works
- RFT2021-1247 – Panel of Providers – Plumbing, Electrical, General Building and Maintenance
- RFQ 2021-0035 Byron STP Inlet Works Remediation
- RFQ2021-1144 Carlyle Street Water Main Replacement
- Byron Bay Industrial Estate Channel Bed Mowing Services
- RFT2021-1102 Sewer Pump Stations 5015 & 5019 Refurbishment Work
- RFT2021-1146 Inflow & Infiltration 21/22 Construction Package
- RFQ2021-1144 Casons Road Water Main Replacement
- RFT2021-1097 Sewer Pump Stations 3018 & 3020 Refurbishment Work



# Additional Flow Path (Byron Arts & Industry Estate)



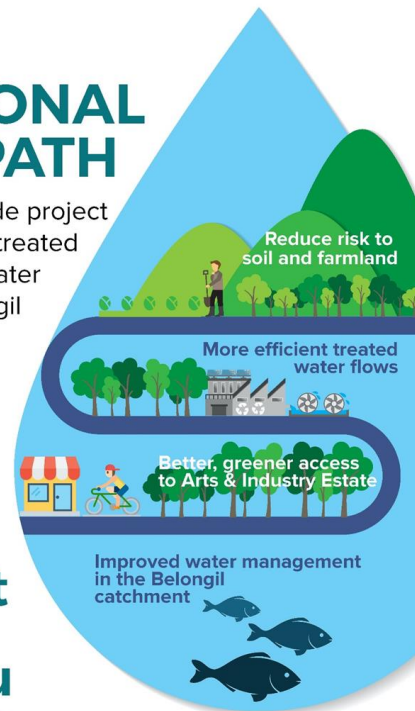
## ADDITIONAL FLOW PATH

A drainage upgrade project to better manage treated water and stormwater flows in the Belongil catchment.



**We want to hear from you**

[www.yoursaybyronshire.com.au](http://www.yoursaybyronshire.com.au)

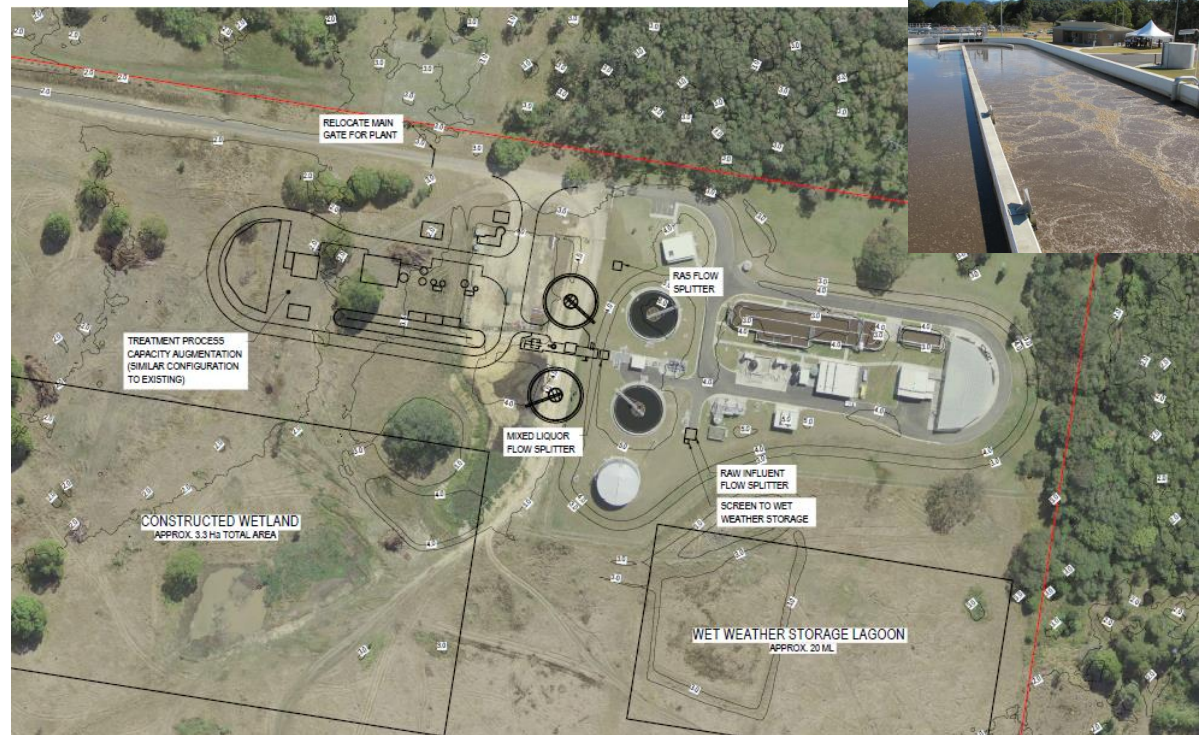
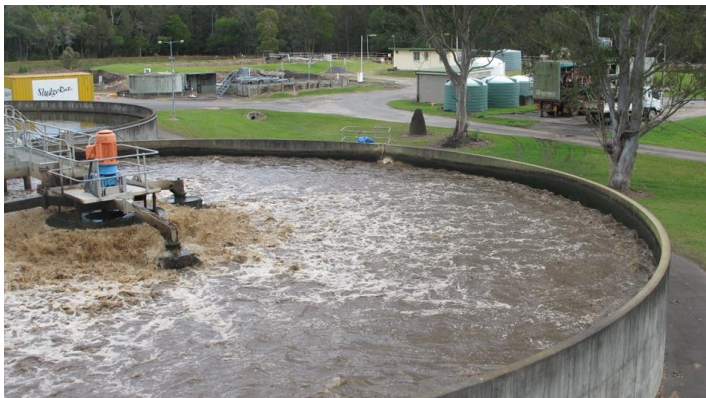




## Additional Projects



# Ocean Shores to Brunswick Valley STP Transfer





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# Byron Shire Bioenergy Facility (\$22.5m)

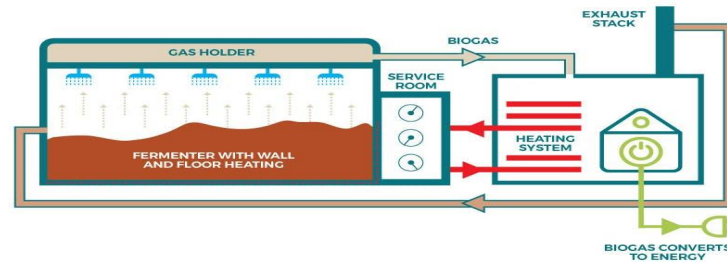
**COMMERCIAL  
ORGANIC WASTE SOLUTIONS**

**CURRENT VS BIOENERGY**

 <b>HIGH SERVICE COSTS</b>	 <b>LOWER SERVICE COSTS</b>
 <b>OUT OF AREA HAULAGE HIGH COST AND CO<sub>2</sub></b>	 <b>LOCAL LOWER KMs COST AND CO<sub>2</sub></b>
 <b>CH<sub>4</sub> + CO<sub>2</sub> OPEN AIR RELEASE FROM LANDFILL</b>	 <b>CH<sub>4</sub> CONTAINED AND CONVERTED</b>
 <b>WASTE</b>	 <b>RENEWABLE ENERGY, COMPOST PRODUCT AND LOCAL JOB CREATION</b>

**WHAT IS  
BIO  
ENERGY?**

Converting  
organic waste  
into clean  
and green  
renewable  
energy.



**Thank you.**  
**We look forward to working together in W&SAC.**

If you would like more information please contact:

Cameron Clark  
Manager Utilities

[cclark@byron.nsw.gov.au](mailto:cclark@byron.nsw.gov.au)

0417 464 716





**Report No. 3.4      Delivery Program - Workshop Session**

**Directorate:** Infrastructure Services

**Report Author:** Heather Sills, Corporate Planning and Improvement Coordinator

5    **File No:** I2022/365

**Summary:**

The *Byron Shire Community Strategic Plan 2032* is currently on public exhibition, as Council develops the associated Delivery Program and first year Operational Plan.

10    Council is seeking feedback from community and stakeholders into the development of the Delivery Program.

Advisory committees are asked to contribute to this process, specifically addressing the Community Objectives and Strategies related to their areas of interest and expertise.

15

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**RECOMMENDATION:**

**That the Water and Sewer Advisory Committee provide input into the development of the draft Delivery Program 2022-26.**

20

### Report

The draft Community Strategic Plan (CSP) has been developed to guide long term future planning to meet the needs and aspirations of the community. This review was an opportunity for Council to consider the objectives and strategies which sit at the highest level of Council's planning hierarchy to set the framework for the Delivery Program.

### Outcomes

The review of the Community Strategic Plan is an evolution of the 2028 Community Strategic Plan. The review has led to a revised 'vision' and redefined the five community objectives.

**Vision - Our Byron Shire is a 'meeting place': Where all people can come together to connect, share, grow, inspire, and create positive change.**

The *community objectives*, while retaining the five original themes, have been refreshed to ensure continuing relevance, based on feedback from the community.

The inclusion of values-based terminology at the heading level seeks to better reflect community values and aspirations: Effective, Inclusive, Nurtured, Ethical, and Connected.

The associated *strategies* have also been redefined and realigned with the community objectives to more clearly articulate the intended priorities and aspirations of the community. A summary is below:

**Community Objective 1: Effective Leadership** – We have effective decision making and community leadership that is open and informed.

*Strategies:*

- 1.1 Enhance trust and accountability through open and transparent leadership
- 1.2 Engage and involve community in decision making
- 1.3 Ethical and efficient management of resources
- 1.4 Enhance organisation capability through innovative practices and regional partnerships
- 1.5 Empower community leadership through collaboration, capacity building, and cultivating community driven initiatives

**Community Objective 2: Inclusive Community** – We have an inclusive and active community where diversity is embraced, and everyone is valued.

*Strategies:*

- 2.1 Foster opportunities to express, celebrate and participate in arts and cultural activity
- 2.2 Enhance safety and contribute to the physical, mental, and spiritual health and wellbeing of our people
- 2.3 Respect Aboriginal culture, value cultural knowledge, and acknowledge history
- 2.4 Enrich lifelong learning and education and support services to help young people thrive
- 2.5 Create social impact and initiatives that address disadvantage

**Community Objective 3: Nurtured Environment** – We nurture and enhance our natural environment.

*Strategies:*

- 3.1 Partner to nurture and enhance our biodiversity, ecosystems, and ecology
- 5 3.2 Deliver initiatives and education programs to encourage protection of our environment
- 3.3 Protect the health of our coastlines, estuaries, waterways, and catchments
- 3.4 Support and empower our community to adapt to, and mitigate our impact on climate change
- 10 3.5 Minimise waste and encourage recycling and resource recovery practices

**Community Objective 4: Ethical Growth** – We manage growth and change responsibly

*Strategies:*

- 15 4.1 Manage responsible development through effective place and space planning
- 4.2 Enable housing diversity and support people experiencing housing insecurity
- 4.3 Promote and support our local economy
- 4.4 Foster sustainable visitation and the impacts of tourism on the Shire
- 20 4.5 Support a resilient community that can adapt and respond to change

**Community Objective 5: Connected Infrastructure** – We have connected infrastructure, transport, and facilities that are safe, accessible, and reliable.

*Strategies:*

- 25 5.1 Provide a safe, reliable, and accessible transport network
- 5.2 Connect the Shire through integrated transport services
- 5.3 Invest in renewable energy and emerging technologies
- 5.4 Provide accessible community facilities and open spaces
- 5.5 Provide continuous and sustainable water and sewerage management

### 30 **Delivery Program and Operational Plan**

Cascading out of the ten year strategies of the CSP come the four year actions in the Delivery Program. The Delivery Program outlines Council's commitment to the community on how it will work towards the CSP strategies during its term. The annual activities in the Operational Plan detail how Council works towards the Delivery Program year by year.

- 35 The Water and Sewer Advisory Committee is asked to consider and inform the development of the Delivery Program actions that contribute to the following strategies:

**Community Objective 5: Connected Infrastructure** – We have connected infrastructure, transport, and facilities that are safe, accessible, and reliable.

- 40 *Strategies:*



Provide continuous and sustainable water and sewerage management



Water supply

Provide a continuous water supply that is maintained in accordance with NSW Health guidelines

Water sensitive urban design

Improve Council's planning, processes and capacity to integrate water sensitive urban design into Council works and address catchment based priorities

Wastewater management

Manage effluent in an ecologically sustainable way that ensures public health and protects and enhances the natural environment

Stormwater

Provide stormwater infrastructure to manage flood mitigation and improve social and environmental outcomes

A brief workshop session will be held as part of the meeting to provide opportunities for input and discussion.

## 5 Strategic Considerations

### Community Strategic Plan and Operational Plan

CSP Objective	CSP Strategy	DP Action	Code	OP Activity
<b>Community Objective 5: We have community led decision making which is open and inclusive</b>	5.2: Create a culture of trust with the community by being open, genuine and transparent	5.2.1: Provide timely, accessible and accurate information to the community	<b>5.2.1.2</b>	Undertake a community engagement program to review and develop Council's Integrated Planning and Reporting framework documents

### Legal/Statutory/Policy Considerations

The requirements for the Community Strategic Plan are governed by [Section 402](#) of the Local Government Act 1993.

- 10 Further requirements are outlined in sections 403-406 and in the Integrated Planning and Reporting [Guidelines](#) and [Handbook](#).

### Financial Considerations

Not applicable.

### Consultation and Engagement

- 15 This discussion forms part of the community engagement program, as outlined in the [Community Engagement Strategy](#) for the Community Strategic Plan.