

AGENDA



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MEMBERSHIP: Bill Burdett (Chair), Shannon Dowsing, Amber Dunn, Larry Foster, and Tangata Whenua members
Pene Brown, Ronald Nepe, LeRoy Pardoe, Angus Ngarangione.

WASTEWATER MANAGEMENT

DATE: Thursday 7 March 2019

TIME: 9:00am

AT: Te Ruma Kaunihera (Council Chambers), Awarua, Fitzherbert Street, Gisborne.

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Wastewater Management

Reports to:	Council
Chairperson:	Cr Burdett
Deputy Chairperson:	Cr Dunn
Membership:	Four Councillors (including the Chairperson) and four tangata whenua representatives.
Quorum:	Four members. Two to be Councillors and two to be tangata whenua.
Meeting Frequency:	Four times a year.

General Purpose and Objectives

The establishment of this Committee is a requirement of the conditions of the resource consents for the upgrade and discharge of Gisborne's municipal wastewater.

On 21 September 2007 the Minister of Conservation granted the coastal permit for the discharge of treated wastewater to the marine area subject to the same conditions as recommended by the Hearings Committee.

Terms of Reference:

1. Ensure implementation, commissioning and monitoring of the wastewater treatment plant is carried out in accordance with the consent conditions.
2. Monitor compliance with permit conditions and separated industry standards.
3. Explore feasible options for alternative use and disposal of domestic and industrial wastewater and recommend implementation.
4. Identify research, monitoring and planning projects to improve the mauri and water quality of Turanganui a Kiwa. Develop and administer the Turanganui a Kiwa Water Quality Enhancement Project.
5. Ensure development of educational information to encourage reductions in domestic and industrial wastewater.
6. Recommend membership of and receive reports from independent review panel (IRP).
7. Provide an annual report to the Chief Executive of the Gisborne District Council.
8. Carry out the functions required by the conditions of the resource consents and report to Council about the same.
9. The Committee has no delegated authority from Council other than the functions expressed in the conditions of the resource consents.

Collaborations

These arrangements are entered into by the Gisborne District Council and tangata whenua representatives of Turanganui a Kiwa, supported by other members of the Committee, in a spirit of goodwill and a pledge to act towards each other with the utmost good faith.

Each member to this protocol is committed to progressing and enhancing the overall wellbeing of the district's people, environment and heritage by acknowledging and accommodating each other's values and philosophies where applicable.

The Committee will develop and maintain effective relations with other Council committees, Government and its departments, NGOs and other stakeholders to achieve its terms of reference, and in particular:

- Gisborne District Council officers
- Tairāwhiti District Health Board
- Department of Conservation
- Industry
- Recreational groups
- Environmental groups
- Federated Farmers.

Special Notes

1. Membership of the committee comprises four councillors and four tangata whenua representatives and other members that the Committee itself shall determine from time to time.
2. The Committee may appoint, or invite participation in an advisory or consultative capacity, other persons from:
 - Gisborne District Council officers
 - Tairāwhiti District Health Board
 - Department of Conservation
 - Industry
 - Recreational Groups
 - Environmental Groups
 - Federated Farmers.

Others who may have a particular contribution to make to the workings of the Committee.

The Council agrees to remunerate members that the Committee appoints.

3.1. Confirmation of non-confidential Minutes 18 October 2018

MINUTES

Draft & Unconfirmed



P O Box 747, Gisborne, Ph 867 2049 Fax 867 8076
Email service@gdc.govt.nz Web www.gdc.govt.nz

MEMBERSHIP: Councillors Bill Burdett (Chair), Shannon Dowsing, Amber Dunn, Larry Foster.
Tangata whenua members Pene Brown, Ronald Nepe, LeRoy Pardoe, Tutekawa Wyllie.

MINUTES of the WASTEWATER MANAGEMENT Committee

Held in Te Ruma Kaunihera (Council Chambers), Awarua, Fitzherbert Street, Gisborne on 18 October 2018 at 9am.

PRESENT:

Councillors Bill Burdett (Chair), Shannon Dowsing, Amber Dunn, Larry Foster.

Tangata Whenua representatives Pene Brown, Ronald Nepe, Angus Ngarangione, LeRoy Pardoe.

IN ATTENDANCE:

Chief Executive Nedine Thatcher Swann, Director Lifelines David Wilson, Team Leader Storm and Waste Water Wolfgang Kanz, Wastewater Treatment and Compliance Officer Tracey Panton, Democracy Support Services Manager Heather Kohn and Committee Secretary Helen Barbier.

The meeting opened at 9am with karakia from Pene Brown.

1. Apologies

There were no apologies.

2. Interests

There were no interests declared.

3. Confirmation of Minutes

Wastewater Management Committee - 30 August 2018

MOVED by Cr Foster, seconded by LeRoy Pardoe

That the Minutes of 30 August 2018 be accepted.

CARRIED

Action Sheet

Noted.

Governance Work Plan

It was requested that development of the Alternative Use and Disposal Terms of Reference be included in the work plan.

4. Leave of Absence

There were no leaves of absence.

5. Acknowledgements and Tributes

There were no acknowledgements or tributes.

6. Public input and petitions

There was no public input or petitions.

7. Extraordinary business

There was no extraordinary business.

8. Notices of Motion

There were no notices of motion.

9. Adjourned business

There was no adjourned business.

10. Reports of the Chief Executive and staff

DECISION Reports

Secretarial Note: Reports 18-422 Consent Review Group Progress Report and 18-424 Independent Review Panel were originally noting reports but now include recommendations. They have been kept in the order of business for ease of reading.

INFORMATION Reports

10.2 18-422 Consent Review Group Progress Report

Discussion included:

- The recommendations of the Consent Review Group confirm the views of the Wastewater Management Committee regarding removal of mortuary waste from the wastewater system, Alternative Use and Disposal options and completion dates for implementation of disinfection.
- The recommendations are a mandate for Council to make progress in the briefest timeframes possible.
- Staff will need time to study the final recommendations from both the Consent Review Group and the Independent Review Panel.
- The Consent Review Group and Independent Review Panel reports will be presented to Council. Staff need to receive direction from Council concerning the recommendations as they are outside the mandate of both staff and of the Wastewater Management Committee.
- A change in timeframes for implementing clarification and UV disinfection has implications on finances, processes, feasibility of designs, availability of equipment and on the Long Term Plan.
- The Wastewater Management Options project team members are: Director Lifelines David Wilson, 4 Waters Infrastructure Manager Neville West, 4 Waters Operations Manager Neil Daykin, Team Leader Storm and Waste Water Wolfgang Kanz and Wastewater Treatment and Compliance Officer Tracey Panton.
- Wastewater infrastructure is significant for the health of our community and our ocean. Variations and delays have now become embarrassing.

- If human resources are required for the Alternative Use & Disposal Working Group, existing groups such as the KIWA¹ group could be called on.

MOVED by Cr Dowsing, seconded by Cr Dunn

That the Committee

1. Notes the contents of this report.
2. Endorses the outcomes of engagement with the Consent Review Group.
3. Recommends to Council that:
 - a) A variation to the discharge consent be opposed.
 - b) The Long Term Plan budget phasing of the implementation of disinfection (completion in 2023/24) be considered unacceptable.
 - c) Significant commitment to completing the necessary upgrades to install wastewater disinfection be made immediately.
 - d) Alternative Use and Disposal investigations continue, with a focus on the practical implementation of Alternative Use and Disposal including identifying uses for treated wastewater.
 - e) Mortuary waste be removed from the domestic wastewater system.

CARRIED

10.3 18–424 Independent Review Panel

Discussion included:

- Reference on page 70 to the exceedance of future consent limits of enterococci and suspended solids concerns industry wastewater, not Council's.
- Legal advice has been commissioned but is not yet complete. Tangata whenua are in support of this step.
- Tangata whenua expressed concern that the panel recommendations and legal advice would not be brought to the Wastewater Management Committee before being presented to Council.
- Other tangata whenua concerns were that:
 - the concessions by tangata whenua were not sufficiently noted
 - there was little mention of mauri
 - there was no reference to Te Aitanga a Mahaki Environmental Plan
 - the section dealing with KIWA could have been more developed.
- The Community Lifelines Hub is the branch of Council that is in effect the consent holder. It is separate to the regulatory branch of Council responsible for enforcing consent compliance.
- The report submitted by the Independent Review Panel is still a draft. Once the final version has been received and staff have investigated how to implement the recommendations, the report will come back to the Wastewater Management Committee.

¹ The KIWA Group had a mandate to work on the Turanganui a Kiwa Water Enhancement Project

- Recommendations from the draft report will be presented to Council at its 15 November 2018 meeting.
- The Independent Review Panel recommendations will also be shared with Council's regulatory team to inform their monitoring and advice processes.
- Councillors who are members of the Wastewater Management Committee are a minority within Council. This makes it challenging for them to influence decisions relating to wastewater projects.
- Council has received additional funding through the Provincial Growth Fund for roading. As a result the Long Term Plan spending should be reviewed so priorities can be changed. Governance needs to be adaptable and flexible to meet the needs of the community and deliver on the outcomes laid out in the consent.
- Council's Long Term Plan process is a statutory requirement. For the plan to be changed, the community must be consulted again, either within the Annual Plan process or in an ad hoc consultation.
- Financial modelling shows that bringing approximately \$20m of unplanned spending forward by two years would impact interest payments leading to a 4% rates increase. Other funding options are being looked at to assess methods for funding debt without impacting rates.
- Tangata whenua felt that the high level of engagement on their behalf had not led to results in Council decisions.
- The Chairman noted that iwi were respected and their participation was highly valued.

MOVED by Cr Dunn, seconded by Cr Dowsing

That the Committee

1. Notes the contents of this report – and in particular:
 - a) the report from the Independent Review Panel.
2. Endorses the Independent Review Panel interim recommendations and requires an extraordinary meeting of the Wastewater Management Committee to be held if any major changes are contained in the final Independent Review Panel report.

CARRIED

10.4 18–425 Internal Consent Compliance Review Progress Report

Discussion included:

- To this point, the review has covered operational matters.
- As certain conditions in the consent are dependent on ultraviolet clarification being carried out, there is currently no testing for compliance in relation to these conditions.
- The heaviest flow of wastewater to the treatment plant is during the day, with peaks from 9-11am and 3-7pm. Industry flow is also predominantly during the day.
- Flushing of the biological trickling filter is currently taking place during the day.

- There has been a great improvement in industry compliance as a result of the change to Council's approach. Industries now must have waste management plans and prove they are compliant rather than waiting for Council to monitor.

MOVED by Cr Dunn, seconded by Cr Dowsing

That the Committee

- | |
|---------------------------------------|
| 1. Notes the contents of this report. |
|---------------------------------------|

CARRIED

There being no further business, the meeting concluded at 10.05am with karakia from Pene Brown.

Bill Burdett
Chairperson

3.2. Action Sheet



ACTION SHEET WASTEWATER MANAGEMENT COMMITTEE

Item Number	Report Number	Subject	Minute / Action	Status	Accountable Officer	Due Date
Meeting 18 October 2018						
001	Governance Work Plan		Add development of the Alternative Use and Disposal terms of reference to the governance work plan		Committee Secretary	February 2019
002	18-425	Internal Consent Compliance Review Progress Report	Include the general reviews in the governance work plan (see Clauses 25 & 26 of the preliminary Council consent review)	Progressing	Wolfgang Kanz	February 2019

3.3. Governance Work Plan Placeholder

Title: **Alternate Use and Disposal : 2018/19 Budget Spend Proposal**

Section: 4 Waters Operations
Infrastructure

Prepared by: Wolfgang Kanz - 4 Waters Strategy Advisor

Meeting Date: 7 March 2019

Legal: Yes

Financial: Yes

Significance: **Low**

Report to WASTEWATER MANAGEMENT Committee for decision

PURPOSE

The purpose of this report is to provide the Wastewater Management Committee with an outline of how Council staff are spending and propose to spend the 2018/19 financial year budget on Alternate Use and Disposal (AUD) investigations as provided for in the 2018–2028 Long Term Plan.

SUMMARY

The Annual Plan budget for the 2018/19 financial year is \$50,000.

The budget has purposely been directed at work that is in support of the Provincial Growth Fund (PGF) application and that will not pre-empt the work to be done in the 2019/20 and 2020/21 financial years.

Council staff have been working on the PGF application since November 2018. Some of the budget has therefore already been committed to work done in support of the PGF application, which is proposed to be submitted by the end of March 2019. Work commissioned to date comprises a stocktake of what other councils in New Zealand are undertaking in terms of AUD and other information useful for putting together the application. The budget allocation for this work is \$15,000.

Council staff propose to spend the remaining \$35,000 on the following work:

- An initial gap analysis on work required to progress AUD.
- Development of a stakeholder engagement plan that specifically targets potential water users, including individuals and industry organisations.
- Initial targeted engagement with key potential water users.
- Iwi input on Māori cultural values / perceptions - planning for wastewater advocacy.

The above work would be in support of a more detailed AUD programme over the next two years (commencing in the 2019/20 financial year).

The PGF application would make significant resources available to progress AUD work, essentially defining the possible scope of works for AUD investigations. Council staff have therefore held off producing a detailed AUD programme for the next two years, pending the outcome of the PGF application. Council staff are also looking at what other potential funds are available and whether or not to submit additional funding applications.

The decisions or matters in this report are considered to be of **Low** significance in accordance with the Council's Significance and Engagement Policy.

RECOMMENDATIONS

That the Wastewater Management Committee:

- 1. Notes the contents of this report.**
- 2. Endorses the scope of work proposed for the remaining \$35,000 budget.**

Authorised by:

David Wilson – Director Lifelines

Nedine Thatcher Swann - Chief Executive

Keywords: Alternate Use and Disposal, wastewater

BACKGROUND

1. Council has provided a budget of \$725,000 for AUD investigations over the term of the 2018–2028 Long Term Plan (LTP). The budget for the 2018/19 financial year is \$50,000, which will be spent before 30 June 2019.
2. The LTP budget for AUD investigations is considered as 'seed funding'; a budget that enables partnership and co-operation with industry and other stakeholders, to identify opportunities for collaboration and progress sourcing additional funding.
3. Council staff have applied this lens to the \$50,000 budget in the 2018/19 financial year and identified packages of work that support this outcome.
4. The Wastewater Management Committee (WMC) has the following AUD-related functions in the wastewater consent:
 - Monitoring AUD research
 - Recommending AUD trials
 - Monitoring the AUD trials
 - Recommending AUD implementation
 - Ensuring the development of appropriate educational information to encourage AUD.
5. Council staff are therefore providing relevant AUD information for the WMC to consider.

DISCUSSION and OPTIONS

6. The project team has been working on a PGF application since October 2018. A successful PGF application would make significant resources available to progress AUD investigations, and putting together a comprehensive high quality application has therefore been a priority for the project team.
7. The below high level piece of work costing \$15,000 was identified as important for the PGF application:
 - A stocktake of what other councils in New Zealand are undertaking in terms of AUD.
 - A stocktake of what is being undertaken in Australia and other countries, focusing on similar countries, in terms of AUD.
 - Details on opportunities and constraints, as experienced elsewhere (e.g. perceptions, markets, etc).
 - Based on the above, the keys to unlocking treated wastewater and wastewater solids as a resource.
 - Where available, note any business models that may have been successful in delivery of schemes for the use of treated wastewater and biosolids.
 - Contextualise the above in terms of the Gisborne context.
8. A key component of the above work is the stocktake of what other councils in New Zealand are undertaking in terms of AUD and placing the Gisborne PGF application in the context of national benefit.

9. In view of the urgency of submitting the PGF application, and previous WMC support of seeking alternate funding for AUD investigations, the above work was commissioned in January 2019 prior to the 7 March 2019 WMC meeting. The work is scheduled for completion in time for submission of the PGF application before the end of March 2019.
10. Council staff propose to spend the remaining \$35,000 on work that is in support of a more detailed AUD programme over the next two years (commencing in the 2019/20 financial year).
11. A significant amount of AUD investigation has already been carried out by the Wastewater Technical Advisory Group (WTAG) and the Council project team. However, the focus of this work has been on technical aspects of AUD, with complementary work now required to identify affordable, viable and sustainable alternate uses for the treated wastewater.
12. A key focus going forward will be targeted engagement with potential water users, consulting on financial/economic issues such as markets (including perceptions), business models, and other work to enable potential economic benefits to be realised.
13. Iwi have advised that significant engagement work is required to address Māori concerns over the use of treated wastewater.
14. Additional technical work will be required, particularly in support of developing suitable business models for water users and addressing industry information requirements (e.g. costing of infrastructure to determine returns and detail on required water quality standards/ management relative to crop type).
15. Based on the above, the project team propose the following work to be completed over the remainder of the 2018/19 Financial Year:
 - Gap analysis to enable the scope for the additional work to be defined
 - Identifying what information is missing to enable AUD to be progressed
 - Identifying what processes need to be undertaken to enable AUD to be progressed
 - Stakeholder engagement plan
 - Developing a stakeholder engagement plan that specifically targets potential water users
 - A framework for engaging individuals and industry organisations
 - Initial targeted engagement with key potential water users
 - Iwi input on Māori cultural values / perceptions - planning for wastewater advocacy
16. The above work would be in support of a detailed programme of work to be developed once funding has been secured. While Council staff are applying for funding from the PGF, we are also looking at other potential funding options.

ASSESSMENT of SIGNIFICANCE

Impacts on Council's delivery of its Financial Strategy and Long Term Plan

Overall Process: High Significance

This Report: Low Significance

Inconsistency with Council's current strategy and policy

Overall Process: Low Significance

This Report: Low Significance

The effects on all or a large part of the Gisborne district

Overall Process: Medium Significance

This Report: Low Significance

The effects on individuals or specific communities

Overall Process: Medium Significance

This Report: Medium Significance

The level or history of public interest in the matter or issue

Overall Process: Low Significance

This Report: Low Significance

17. The decisions or matters in this report are considered to be of **Low** significance in accordance with Council's Significance and Engagement Policy.

COMMUNITY ENGAGEMENT

18. Apart from extensive historical consultation on wastewater issues, the AUD budgets included in the 2018–2028 LTP stem from a comprehensive consultation process.
19. This report includes specific consultation tasks required to progress AUD investigations.

CONSIDERATIONS

Financial/Budget

20. A budget of \$725,000 for AUD investigations is included over the term of the 2018–2028 LTP.
21. The 2018/19 financial year budget includes \$50,000 for AUD investigations.

Legal

22. Clause 8 of the consent is particularly relevant:

The permit holder shall use its best endeavours to adopt those AUD options that are identified as feasible and which will enable the progressive removal of the treated human sewage from the discharge, via the marine outfall, with the objective of complete removal by 2020.

23. Council is continuing to investigate AUD with the aim of identifying feasible options that enable progressive removal of treated human sewage from the discharge via the marine outfall.

POLICY and PLANNING IMPLICATIONS

24. Investigations for AUD are included in existing plans.

RISKS

25. Legal risks apply if AUD investigations are not progressed.

NEXT STEPS

Date	Action/Milestone	Comments
End of March 2019	PGF application submitted	
May/June 2019	Anticipated decision on PGF application	Dependent on successful PGF application (or alternative funding applications)
June/July/August 2019	Commence AUD feasibility study (as outlined in the PGF application)	

Title: Provincial Growth Fund Application : Alternate Use and Disposal Feasibility Study

Section: 4 Waters Operations
Infrastructure

Prepared by: Wolfgang Kanz - 4 Waters Strategy Advisor

Meeting Date: 7 March 2019

Legal: No

Financial: Yes

Significance: **Low**

Report to WASTEWATER MANAGEMENT Committee for information

PURPOSE

The purpose of this report is to provide the Wastewater Management Committee (WMC) with more detail on the Provincial Growth Fund (PGF) application to be submitted by Council.

SUMMARY

The 2018–2028 Long Term Plan (LTP) budget for Alternate Use and Development (AUD) investigations is considered as ‘seed funding’ - a budget that enables partnership and co-operation with industry and other stakeholders, to identify opportunities for collaboration and progress sourcing additional funding. The PGF application is such an opportunity.

The key driver for a successful PGF application is demonstrating how a project will significantly contribute towards regional growth and community upliftment. Council staff have therefore focussed on this aspect of the application while also addressing the other matters.

A substantial amount of AUD investigation has already been carried out in Gisborne. However, the focus of this work has been on technical aspects of AUD, with complementary work (focussing on opening up markets and commercial benefit) now required to unlock the economic potential of treated wastewater. Council is applying for funding of \$500,000 from the PGF over a two-year period to undertake this work.

This report briefly describes relevant work previously done and provides a broad outline of the programme of work to be submitted along with the PGF application. This will to a large extent set the direction for further AUD investigations over the next two years should the application be successful. The desired outcome of the project will be the development of affordable, viable and sustainable alternate uses for the treated wastewater, which meaningfully contribute to regional growth and development.

The decisions or matters in this report are considered to be of **Low** significance in accordance with the Council's Significance and Engagement Policy.

RECOMMENDATIONS

That the Wastewater Management Committee:

- 1. Notes the contents of this report.**

Authorised by:

David Wilson – Director Lifelines

Nedine Thatcher Swann - Chief Executive

Keywords: PGF, Wastewater, Alternate Use

BACKGROUND

1. Council is applying to the PGF for funding a feasibility study for the economically beneficial use of treated wastewater. Alternate use of the treated wastewater would promote the progressive removal of treated wastewater from the marine outfall, which would deliver multiple benefits to the Gisborne community.
2. The PGF aims to:
 - a) lift productivity potential in the provinces
 - b) enhance economic development opportunities
 - c) create sustainable jobs
 - d) enable Māori to reach their full potential
 - e) boost social inclusion and participation
 - f) build resilient communities
 - g) and help meet New Zealand's climate change targets
3. Council will be applying for \$500,000 from the PGF to undertake work that achieves the PGF aims outlined above. Although substantial work has already been completed on AUD in Gisborne, further work is required to unlock the economic potential of treated wastewater.
4. Council staff have been working on the PGF application since November 2018. An outline of the proposed investigations and budgets must be provided in the PGF application. A two-year work programme is proposed.
5. Although the work programme in the application will be at a high level and further detail will be developed if the application is successful, the information submitted to the PGF therefore overall sets the direction over the next two years.

DISCUSSION and OPTIONS

6. The project team has undertaken a stocktake of completed AUD work. The below are key tasks undertaken to date:
 - Discussions with local key industry stakeholders by Council and through the WTAG.
 - Discussions with national key industry stakeholders by Council and through the WTAG.
 - Rapid infiltration assessments (Appendix 9, Rapid Infiltration Trial, Opus, 2003).
 - Irrigation assessments (Appendix 7, Options for Land Disposal of Gisborne City Wastewater, Opus, 2004).
 - A review of land disposal options (Beyond the BTF Options for Future Wastewater Management, Andrew Stewart, 2013).
 - A review of potential AUD options in a Gisborne context (Options for alternative uses of Gisborne Turanganui a Kiwa treated municipal wastewater, Palmer, 2015).
 - Review of Palmer (2015) by the KIWA group (The KIWA Group's Perspective on the Palmer Report, 2015).

- Investigations into disposal of wastewater onto the sand dunes (Gisborne Dune Effluent Discharge Concept Assessment, Beca, 2017; Assessment of CH2M Beca's report on effluent discharge to sand dunes, Enviroknowledge, 2017).
 - Investigations into alternate use of solids (Gisborne WWTP Stage 2 Upgrade Memo 7 – Vermicomposting Assessment, Beca, 2017; Gisborne WWTP Stage 2 Upgrade Memo 6 – Solar Sludge Drying Assessment, Beca, 2017).
 - Receiving environment assessments to inform disposal options to streams, creeks, or groundwater (Gisborne Wastewater Treatment Plant wetland options, Coast & Catchment, 2017; Gisborne District Council – Wastewater Wetland – Hydrodynamic Model Results Summary; HBRC, 2017; Discharge plume and dilutions study, MetOcean Solutions, 2017).
 - Brief assessment of costs of irrigation schemes (Gisborne Wastewater Irrigation Cost Estimate, Agfirst, 2017).
7. Some of the work undertaken above is on disposal options, which are not the subject of the PGF application which focusses on the economically beneficial use of treated wastewater. The project team has identified at a high level the additional work that is required to build on the above high level investigations.
 8. Council staff engagement with Te Runanga o Turanganui a Kiwa (TROTAK), iwi representatives, the Chamber of Commerce, the Tairāwhiti Economic Action Plan (TEAP) Steering Group, Activate Tairāwhiti, and other key stakeholders will inform the above. The project team will seek written support from key stakeholders for inclusion in the PGF application.
 9. The Gisborne Chamber of Commerce has been very supportive of Council's work on AUD and the PGF application and has independently been interviewing local business owners to discuss the option for the utilisation of treated wastewater for agriculture and horticulture. Moving forward it is anticipated that we will build on this and there will be an overall co-ordinated approach (with multiple stakeholders) to progressing these discussions, forming part of an overall AUD programme over two years (funded through the PGF and existing LTP budgets).
 10. **Appendix 1** outlines a preliminary list of tasks and budgets with an indicative schedule of delivery. This appendix also describes how the work fits in with the PGF criteria.
 11. The PGF application would make available significant resources to progress AUD work, essentially defining the possible scope of works for AUD investigations. Council staff have therefore held off producing a detailed AUD programme for the next two years pending the outcome of the PGF application. Council staff are also looking at what other potential funds are available and whether or not to submit additional funding applications.
 12. Although Gisborne District Council will be the applicant for the PGF application, the success of the study depends on effective communication, collaboration and partnering with key stakeholders and experts. An inclusive project team will therefore be set up once the funding has been approved. This may include lead partners, a steering group, and an advisory group. Council staff will provide the WMC with a recommendation at its 30 May 2019 meeting, subject to the PGF application being successful.

ASSESSMENT of SIGNIFICANCE

Impacts on Council's delivery of its Financial Strategy and Long Term Plan

Overall Process: Low Significance

This Report: Low Significance

Inconsistency with Council's current strategy and policy

Overall Process: Low Significance

This Report: Low Significance

The effects on all or a large part of the Gisborne district

Overall Process: Low Significance

This Report: Low Significance

The effects on individuals or specific communities

Overall Process: Low Significance

This Report: Low Significance

The level or history of public interest in the matter or issue

Overall Process: Low Significance

This Report: Low Significance

Consideration of consistency with and impact on the Regional Land Transport Plan and its implementation

Overall Process: Low Significance

This Report: Low Significance

13. The decisions or matters in this report are considered to be of **Low** significance in accordance with Council's Significance and Engagement Policy.

COMMUNITY ENGAGEMENT

14. Apart from extensive historical consultation on wastewater issues, the AUD budgets included in the 2018–2028 LTP stem from a comprehensive consultation process.
15. This report includes specific consultation tasks required to progress AUD investigations.
16. The WMC includes Councillors and iwi representatives, who represent the community.

CONSIDERATIONS

Financial/Budget

17. A budget of \$725,000 for AUD investigations is included over the term of the 2018–2028 LTP. The Annual Plan budget for the 2018/19 financial year is \$50,000.
18. The above budget has purposefully been directed at work that is in support of the Provincial Growth Fund (PGF) application.

Legal

19. Clause 8 of the consent is particularly relevant:

The permit holder shall use its best endeavours to adopt those AUD options that are identified as feasible and which will enable the progressive removal of the treated human sewage from the discharge, via the marine outfall, with the objective of complete removal by 2020.

20. Council is continuing to investigate AUD with the aim of identifying feasible options that enable progressive removal of treated human sewage from the discharge via the marine outfall.

POLICY and PLANNING IMPLICATIONS

21. Investigations for AUD are included in existing plans.

RISKS

22. Legal risks apply if AUD investigations are not progressed.

NEXT STEPS

Date	Action/Milestone	Comments
End of March 2019	PGF application submitted	
May/June 2019	Anticipated decision on PGF application	Dependent on successful PGF application (or alternate funding applications)
June/July/August 2019	Commence AUD feasibility study (as outlined in the PGF application)	

APPENDICES

1. Appendix 1 Indicative detail to be provided to the PGF **[19-93.1]**

Appendix 1: Indicative detail to be provided to the Provincial Growth Fund

Please note: Tasks / processes and budget values are preliminary and will be subject to further consideration

Task / Process	Unconfirmed 2019/20 Budget (\$)	Unconfirmed 2020/21 Budget (\$)	Strategic alignment												
			Productivity potential	Economic development opportunities	Sustainable jobs	Maori potential	Social inclusion & participation	Resilient communities	Climate change						
Creation of an action plan (incl. updates and project management)	50,000	10,000													
Gap analysis															
Resourcing															
Scope of work for investigations															
Stakeholder engagement plan (industry organisations, community representatives, iwi, individuals)															
Budget refinements															
Milestones															
Deliverables															
Capability building	30,000	10,000													
Educational / training material (to enable discussion, empower the community to make decisions)												X	X	X	X
Technical material (to enable informed decision making by water users)									X	X	X	X		X	X
Workshops, consultation, collaboration	70,000	70,000													
Targeted engagement (key potential water users, identifying barriers and solutions for use of treated wastewater)									X	X	X	X		X	

Task / Process	Unconfirmed 2019/20 Budget (\$)	Unconfirmed 2020/21 Budget (\$)	Strategic alignment						
			Productivity potential	Economic development opportunities	Sustainable jobs	Maori potential	Social inclusion & participation	Resilient communities	Climate change
Wastewater advocacy (public / user perceptions, involving the community)							X	X	X
Wastewater advocacy (cultural / social perceptions, specifically including Maori aspects)						X	X		
Research or surveys	120,000	40,000							
Stocktake of what other NZ councils and countries (identifying opportunities and constraints and successful business models)			X	X	X	X			
Technical reports (required for problem solving and developing business cases, and addressing industry information requirements) - e.g. costing of infrastructure to determine return and detail on required water quality standards/management relative to crop type)			X	X	X	X			
Market assessments (local, national, international – existing and potential diversification, targeted at use of treated wastewater)			X	X	X	X		X	
Agricultural Economics Assessments (required for development of business cases and engagement, maximising productivity gains, diversification)			X	X	X	X		X	

Task / Process	Unconfirmed 2019/20 Budget (\$)	Unconfirmed 2020/21 Budget (\$)	Strategic alignment						
			Productivity potential	Economic development opportunities	Sustainable jobs	Maori potential	Social inclusion & participation	Resilient communities	Climate change
Environmental assessments (in response to specific issues arising as a result of engagement with potential water users and the community, climate change considerations)			X	X	X		X		X
Financial / commercial input (developing suitable business models for water users that enable economic development and local benefit, supporting engagement with water users / providers)			X	X	X	X			
Feasibility investigations	30,000	30,000							
Working through barriers to use of treated wastewater			X	X	X	X	X	X	X
Identifying solutions for use of treated wastewater			X	X	X	X	X	X	X
Business case(s)	10,000	30,000							
Analysing the data / information collected									
Identifying feasible options for use of treated wastewater									
Providing the platform for implementation of feasible options (enabling economic growth to be realised)			X	X	X	X	X	X	X

Task / Process	Unconfirmed 2019/20 Budget (\$)	Unconfirmed 2020/21 Budget (\$)	Strategic alignment						
			Productivity potential	Economic development opportunities	Sustainable jobs	Maori potential	Social inclusion & participation	Resilient communities	Climate change
Total	\$310,000	\$190,000	<p><u>Please note:</u> This includes the full value of the PGF application. The 2019/20 – 2020/21 Annual Plan budgets in the 2018-28 LTP (\$50,000 per year) will be used as 'seed funding for further work, for investigating alternate means of disposal of treated wastewater (incl. wetland work).</p>						

Title: **Wastewater Treatment Plant Upgrade – Implementation and Long Term Plan Budgets**

Section: 4 Waters Operations
Infrastructure

Prepared by: Wolfgang Kanz - 4 Waters Strategy Advisor

Meeting Date: 7 March 2019

Legal: Yes	Financial: Yes	Significance: Medium
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Report to WASTEWATER MANAGEMENT Committee for information

PURPOSE

The purpose of this report is to direct the Wastewater Management Committee (WMC) to Report 19-80 (Financial Modelling - Wastewater Treatment Further Options), provided to Council for the 28 February 2019 meeting. This information should be reviewed and then considered in conjunction with the outcomes of the 28 February 2019 meeting.

SUMMARY

This report addresses the additional financial information requested by Councillors regarding recommendations a) to c) of the committee recommendations (18-526). This relates to bringing forward the Long Term Plan (LTP) budgets to enable implementing the wastewater treatment plant as fast as practicable.

In this report staff have recommended the following:

That the Council:

1. Notes the contents of this report.
2. Subject to adoption of Report 19-51 Committee Recommendations to Council, approves Option 4 that comprises:
 - a) bringing forward the Wastewater Further Treatment Options "Fast Track" project with \$3.3m capital spend in Annual Plan 2019/20
 - b) including within the Annual Plan 2019/20 the increased operational costs of the "Fast Track" Option which includes interest and ground lease
 - c) prefunding a proportion of the costs within the Annual Plan 2019/20 of \$100k and up to \$600k within Year 3 of the 2018-2028 Long Term Plan
 - d) reviewing the timing and prioritisation of projects through the 2021-2031 Long Term Plan.

The decisions or matters in Report 19-80 are considered to be of **Medium** significance in accordance with the Council's Significance and Engagement Policy.

Council will make decisions on the above committee recommendations on 28 February 2019, which Council staff will provide to the WMC on 7 March 2019.

RECOMMENDATIONS

That the Wastewater Management Committee:

1. Notes the contents of this report.

Authorised by:

David Wilson – Director Lifelines

Nedine Thatcher Swann - Chief Executive

Keywords: LTP, Wastewater Upgrade, budgets

BACKGROUND

1. The Wastewater Management Committee (WMC) was presented with Report 18-422 (Consent Review Group Progress Report) on 18 October 2018, which provided the outcomes from the Consent Review Group (CRG). Background on the CRG is provided in Reports 18-352 and 18-089.
2. Based on the CRG outcomes, the WMC recommended the following to Council on 13 December 2018 (Report 18-526):
 - a) A variation to the discharge consent be opposed.
 - b) The Long Term Plan budget phasing of the implementation of disinfection (completion in 2022/23) be considered unacceptable.
 - c) Significant commitment to completing the necessary upgrades to install wastewater disinfection be made immediately.
 - d) Alternative Use and Disposal investigations continue, with a focus on the practical implementation of Alternative Use and Disposal including identifying uses for treated wastewater.
 - e) Mortuary waste be removed from the domestic wastewater system.
3. Councillors considered the above recommendations and requested more information to enable decision-making.
4. Consequently, all WMC recommendations from 18 October 2018 were left to lie on the table pending further information. This report directs the committee to the further information provided to Council.
5. Supplementary information was provided in Report 19-57 and 19-80.

Title: Wastewater Management Committee Mortuary Waste and Alternate Use and Disposal Recommendations

Section: 4 Waters Operations
Infrastructure

Prepared by: Wolfgang Kanz - 4 Waters Strategy Advisor

Meeting Date: 7 March 2019

Legal: Yes	Financial: Yes	Significance: Low
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Report to WASTEWATER MANAGEMENT Committee for information

PURPOSE

The purpose of this report is to direct the Wastewater Management Committee (WMC) to Report 19-57 (Supplementary to Wastewater Management Committee Recommendations (18-526)), provided to Council at its 28 February 2019 meeting. This information should be reviewed and then considered in conjunction with the outcomes of the 28 February 2019 meeting.

SUMMARY

This report provides additional financial information for committee recommendations regarding Alternative Use and Disposal (AUD) investigations and mortuary waste.

In this report Council staff have advised that AUD investigations have been allocated a budget in the Long Term Plan, that work is ongoing, and that forward work is the subject of a project plan to be developed.

Council staff have also requested direction from Council on whether to progress this work, including further work on the practical aspects of separate treatment of mortuary waste, regulatory aspects, and financial considerations.

The decisions or matters in Report 19-57 are considered to be of **Low** significance in accordance with the Council's Significance and Engagement Policy.

Council will make decisions on the above committee recommendations on 28 February 2019, which Council staff will provide to the WMC on 7 March 2019.

RECOMMENDATIONS

That the Wastewater Management Committee:

1. Notes the contents of this report.

Authorised by:

David Wilson – Director Lifelines
Nedine Thatcher Swann - Chief Executive

Keywords: Mortuary Waste, AUD

BACKGROUND

1. The WMC was presented with Report 18-422 (Consent Review Group Progress Report) on 18 October 2018, which provided the outcomes from the Consent Review Group (CRG). Background on the CRG is provided in Reports 18-352 and 18-089.
2. Based on the CRG outcomes, the WMC recommended the following to Council on 13 December 2018 (Report 18-526):
 - a) A variation to the discharge consent be opposed.
 - b) The Long Term Plan budget phasing of the implementation of disinfection (completion in 2022/23) be considered unacceptable.
 - c) Significant commitment to completing the necessary upgrades to install wastewater disinfection be made immediately.
 - d) Alternative Use and Disposal investigations continue, with a focus on the practical implementation of Alternative Use and Disposal including identifying uses for treated wastewater.
 - e) Mortuary waste be removed from the domestic wastewater system.
3. Councillors considered the above recommendations and requested more information to enable decision-making.
4. Consequently, all WMC recommendations from 18 October 2018 were left to lie on the table pending further information. This report directs the WMC to the further information provided to Council.
5. Supplementary information was provided in Report 19-57 and 19-80.

