

AGENDA

Floodplain Risk Management Committee

Tuesday, 20 February 2024

3:00 PM

Waratah Room

Ground Floor

Civic Centre



FLOODPLAIN RISK MANAGEMENT COMMITTEE MEETING

ORDER OF BUSINESS

OPENING

ACKNOWLEDGEMENT OF COUNTRY

Council acknowledges the Bidjigal people of the Eora Nation, who are the Traditional Custodians of all lands, waters and sky in the Georges River area. I pay my respect to Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples who live, work and meet on these lands.

APOLOGIES / LEAVE OF ABSENCE

REQUEST TO JOIN VIA AUDIO VISUAL LINK

NOTICE OF WEBCASTING

DISCLOSURES OF INTEREST

CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

| | |
|--|---|
| FRMCC001-24 Confirmation of the Minutes of the Floodplain Risk Management Committee Meeting held on 26 September 2023 | |
| (Report by Senior Assets Engineer - Stormwater) | 3 |

COMMITTEE REPORTS

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| FRMCC002-24 Update on Blakehurst and Kogarah Bay Wards Flood Study | |
| (Report by Senior Assets Engineer - Stormwater) | 8 |
| FRMCC003-24 Update on Former Hurstville Overland Flow Floodplain Risk Management Study and Plan | |
| (Report by Senior Assets Engineer - Stormwater) | 10 |
| FRMCC004-24 Update from the Department of Climate Change, Energy, the Environment and Water | |
| (Report by Senior Assets Engineer - Stormwater) | 12 |

CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

Item: FRMCC001-24 Confirmation of the Minutes of the Floodplain Risk Management Committee Meeting held on 26 September 2023

Author: Senior Assets Engineer - Stormwater

Directorate: Assets and Infrastructure

Matter Type: Previous Minutes

RECOMMENDATION:

That the Minutes of the Floodplain Risk Management Committee Meeting held on 26 September 2023, be confirmed, noting the changes to the Minutes (as previously published), to include information as required by the Code of Meeting Practice 2022 and the former Floodplain Risk Management Committee Terms of Reference.

ATTACHMENTS

Attachment [↓](#)1  Minutes of the Floodplain Risk Management Committee Meeting held on 26 September 2023

MINUTES

Floodplain Risk Management Committee

Tuesday, 26 September 2023

6:30 PM

Dragon Room

Level 1, Georges River Civic Centre

Corner Dora and MacMahon Streets, Hurstville



GEORGES RIVER COUNCIL

COMMITTEE MEMBERSHIP

Councillor Nick Smerdely (Chairperson)

Mr David Grasby (Sydney Water, Senior Planner) - Apology

Mr Sadeq Zaman (OEH, Floodplain Engineer) – Online

Ms Shelly Stingmore (SES, Coordinator Planning Strategic Risk Metro Zone) - Online

Mr Peter Cinque (SES, Senior Manager Emergency Risk Management) – Apology

Mr Nicholas Sharpe (SES, Planning and Research Officer) - Online

Mr Erin Sellers (Community Representative)

Mr Kumar Satkumaran (Canterbury Bankstown Council, Coordinator Asset Planning Roads and Stormwater) – Apology

Mr Hooman Khakzad (Canterbury Bankstown Council) - Apology

Mr Andrew Latta (GRC, Director Assets and Infrastructure)

Ms Hayley Barnes (GRC, Manager Strategic Placemaking)

Mr Tom Heath (GRC, Manager City Technical Services) – Online

Ms Catherine McMahon (GRC, Manager Strategic Planning) - Apology

Mr Pulak Saha (GRC, Senior Assets Engineer - Stormwater)

Ms Priyani Jayaweera (GRC, Principal Development Engineer) - Online

Mr Rabi Pokharel (GRC, Stormwater Assets Officer)

Ms Stephanie Lum (GRC, Acting Manager Strategic Planning) - Online

Mr Firoz Ahmed (GRC, Senior Development Engineer) - Apology

PRESENT – NON COMMITTEE MEMBERS

Mr Seenithamby Paramanandarajah (GRC, Asset Coordinator) - Online

Mr Jonny Nguyen (GRC, Asset Engineer - Open Spaces)

Ms Erin Askew (WMA Water, Director)

ADMINISTRATIVE SUPPORT STAFF

Ms Marisa Severino (Executive Services Officer – Minutes)

Ms Stephanie Liu (Personal Assistant to Manager Strategic Placemaking – Minutes)

Mr Garuthman De Silva (IMT Services – Technical)

Mr Chris Stojanovski (IMT Services – Technical)

OPENING

The Chair, Councillor Nick Smerdely opened the meeting at 6.35pm.

ACKNOWLEDGEMENT OF COUNTRY

The Chair, Councillor Smerdely acknowledged the Bidjigal people of the Eora Nation, who are the Traditional Custodians of all lands, waters and sky in the Georges River area. I pay my respect to Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples who live, work and meet on these lands.

APOLOGIES

There were no formal apologies.

NOTICE OF WEBCASTING

The Chair, Councillor Smerdely advised staff and the public that the meeting is being recorded for minute-taking purposes and is also webcast live on Council's website, in accordance with Section 5 of Council's Code of Meeting Practice. This recording will be made available on Council's Website.

DISCLOSURE OF INTEREST

There were no disclosures of interest made.

PUBLIC FORUM

| | Speaker | Report No | Report Title |
|---|-------------|-------------|---|
| 1 | Theresa Kot | FRMCC005-23 | Final Draft of the Overland Flow Floodplain Risk Management Study and Plan for Hurstville, Mortdale and Peakhurst Wards |

CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

FRMCC004-23 Confirmation of the minutes of the previous meeting held on 7 February 2023
(Report by PA to Manager Strategic Placemaking)

RECOMMENDATION: Moved by Andrew Latta / Tom Heath

That the Minutes of the Floodplain Risk Management Committee Meeting held on 7 February 2023 be confirmed.

Record of Voting:

For the Motion: Unanimous

COMMITTEE REPORTS

FRMCC005-23 Final Draft of the Overland Flow Floodplain Risk Management Study and Plan for Hurstville, Mortdale and Peakhurst Wards
(Report by Senior Assets Engineer - Stormwater)

RECOMMENDATION: Moved by Andrew Latta / Seconded by Erin Sellers

- (a) That Council receive and note the presentation on the Overland Flow Floodplain Risk Management Study and Plan for Hurstville, Mortdale and Peakhurst Wards (The Plan) from the consultant (WMA Water).

- (b) That Council adopt the Overland Flow Floodplain Risk Management Study and Plan for Hurstville, Mortdale and Peakhurst Wards as amended.
- (c) That Council delegate authority to the General Manager to make minor modifications to any numerical, typographical, interpretation, formatting errors, if required, to The Plan.
- (d) That Council endorse the inclusion of the required legal notation on the 10.7 Planning Certificates.
- (e) That Council make available to the public the flood modelling data for the purpose of preparing development applications and amend its Fees and Charges to accommodate the cost associated with this service.
- (f) That the adopted Overland Flow Floodplain Risk Management Study and Plan for Hurstville, Mortdale and Peakhurst Wards be published on Council's website.

Record of Voting:

For the Motion: Unanimous

SUSPENSION OF STANDING ORDERS

RESOLVED: The Chairperson Councillor Smerdely

That the Standing Orders be suspended, time being 7:07pm, to allow Ms Theresa Kot to again address the meeting.

CONCLUSION

The Meeting finished at 7:10pm.

Chairperson

Councillor Smerdely

COMMITTEE REPORTS

Item: FRMCC002-24 Update on Blakehurst and Kogarah Bay Wards Flood Study

Author: Senior Assets Engineer - Stormwater

Directorate: Assets and Infrastructure

Matter Type: Committee Reports

<Summary Section>

RECOMMENDATION:

That the Floodplain Risk Management Committee receive and note the verbal presentation from KBR (Council's Flooding Consultant) on the current progress of the Blakehurst and Kogarah Bay Ward Flood Study.

EXECUTIVE SUMMARY

1. Council recently engaged KBR to prepare the Blakehurst and Kogarah Bay Wards Flood Study.
2. KBR has completed data collection, site inspections and a review of the existing flood model and drainage database.
3. KBR has also prepared community engagement materials, including, as part of the stage 1 community consultation, a set of questionnaires sent to the community to understand the historical flooding issues. This information is valuable to calibrate and validate the historical flood events in Georges River LGA. This survey to gather the historical flooding data will close on 7th of March 2024.

BACKGROUND

4. To prepare the Flood Study, Georges River Council has engaged an independent consultant (KBR) specialising in floodplain risk management and flood studies.
5. The study area consists of a number of suburbs including Allawah, Blakehurst, Beverley Park, Carlton, Carss Park, Connells Point, Hurstville (part), Hurstville Grove, Kogarah, Kogarah Bay, Kyle Bay, Mortdale (part), Oatley (part), Penshurst (part), Ramsgate (part), Sans Souci, and South Hurstville.
6. The primary goal of the study is to identify the nature and extent of overland floods, or flooding generated by rain events that exceed capacities of drainage systems resulting in excess rainfall flowing over land.
7. Since inception meeting in October 2023, KBR has completed a range of activities including data collection, review of the existing flood model, Council's drainage database, site inspection and prepared a range of community consultation materials.
8. As part of the community consultation, following details were prepared: Media Release, Community Information Letter, Questionnaires, Your Say Webpage. Approximately 9,500 letters were distributed to the community with a reply-paid envelope to support maximum participation.
9. Information sought in the survey includes photos and videos of flooding including floodwater rising from a local creek or waterway, water originating from local roads, overflow from local basins, water pooling in low points, or overflow from blocked drains or other sources.

10. This survey to collect historical data will close on 7th of March 2024. Based on the latest information, Council received 101 responses via the online platform and 318 responses via post office.

FINANCIAL IMPLICATIONS

11. No budget impact for this report.
12. Council has allocated required budget to undertake this study. No budget impact for this report. This project is also financially supported by Department of Climate Change, Energy, the Environment and Water.

RISK IMPLICATIONS

13. No risks identified.

COMMUNITY ENGAGEMENT

14. Community engagement for this study will be conducted in two stages. As part of the stage 1 consultation, Council has sent approximately 9,500 letters to the residents and owners located in the study area to provide historical flood information.
15. Stage 1 consultation period: 20th of January 2024 to 7th of March 2024.

FILE REFERENCE

D24/36280

ATTACHMENTS

- | | |
|--------------|---|
| Attachment 1 | Presentation on the progress of the Blakehurst and Kogarah Bay Wards Flood Study (Confidential) |
|--------------|---|

Item: FRMCC003-24 Update on Former Hurstville Overland Flow Floodplain Risk Management Study and Plan

Author: Senior Assets Engineer - Stormwater

Directorate: Assets and Infrastructure

Matter Type: Committee Reports

<Summary Section>

RECOMMENDATION:

That the Floodplain Risk Management Committee receive and note the current progress of the Former Hurstville Overland Flow Floodplain Risk Management Study and Plan.

FRMCC003-24

EXECUTIVE SUMMARY

1. Council adopted the Former Hurstville Overland Flow Floodplain Risk Management Study and Plan on 23rd of October 2023. Staff are now progressing towards next steps of the study to undertake the Feasibility Study of the highly prioritised flood risk mitigation options.

BACKGROUND

2. Following from the adoption of the study last year, Council staff has implemented the first four of the adopted recommendations including the 10.7 certificate updates for the flood tagged properties.
3. To complete the remaining recommendations:
 - (a) A new fee for the flood modelling data will be exhibited as part of the 24/25 FY budget.
 - (b) Flood Management Webpage is currently being updated to include the latest report and figures. This will be completed by March 2024.
4. The next step for this will be a feasibility study of the highly prioritised flood risk mitigation options.
5. This year, Council will seek funding from the Department of Climate Change, Energy, the Environment and Water to complete the feasibility study. It is expected that this study will be completed 25/26 Financial year (subject to the availability of the funding).

FINANCIAL IMPLICATIONS

6. Council has allocated operational budget to complete this study. It is noted that two thirds of the cost of the feasibility study could be sourced from external funding.

RISK IMPLICATIONS

7. No risks identified.

COMMUNITY ENGAGEMENT

8. Community engagement will be conducted once the final draft of the feasibility study is completed.

FILE REFERENCE

D24/38869

ATTACHMENTS

Nil

Item: FRMCC004-24 Update from the Department of Climate Change, Energy, the Environment and Water

Author: Senior Assets Engineer - Stormwater

Directorate: Assets and Infrastructure

Matter Type: Committee Reports

<Summary Section>

RECOMMENDATION:

That the Floodplain Risk Management Committee receive and note the updates from the Department of Climate Change, Energy, the Environment and Water.

EXECUTIVE SUMMARY

1. Department of Climate Change, Energy, the Environment and Water (DCCEEW) recently updated the Flood Risk Management Manual & Toolkit (FRM Manual). This manual replaces the previous 2005 version of the Floodplain Development Manual.
2. This manual provides for the development and implementation of sustainable strategies for managing human occupation and use of the floodplain. It provides for evaluation of strategies and formulation of plans that achieve effective flood risk management outcomes accounting for social, economic, ecological and cultural factors, together with community aspirations for the use of flood prone land.
3. A brief presentation on the recent changes has been prepared by the DCCEEW representative for this meeting.

BACKGROUND

4. On 10 November 2023, the Environmental Planning and Assessment Regulation 2021 ("EP&A Regulation") and Standard Instrument Local Environmental Plan ("Standard Instrument LEP") were amended to introduce the Flood Risk Management Manual ("the FRM Manual") and its associated Toolkit.
5. The FRM Manual (gazetted June 2023) replaces the Floodplain Development Manual (April 2005) ("FDM"), which had been the longstanding manual for the management of flood liable land gazetted for the purposes of section 733 of the Local Government Act 1993 ("LG Act") and used in modern flood planning provisions to define the flood planning area.
6. The FRM Manual identifies its primary objective as being "to reduce the impacts of flooding and flood liability on communities and individual owners and occupiers of flood prone property, and to reduce private and public losses resulting from floods, utilising ecologically positive methods wherever possible".
7. It is supported by a suite of other guidelines collectively referred to as the "Toolkit", which provide additional technical advice to support councils in their management of flood prone land, including in relation to advice for understanding and management of flood risks, the categorisation of flood risk and emergency management principles.
8. The Environmental Planning and Assessment Amendment (Flood Planning) Regulation 2023 amended Schedule 9 of the EP&A Regulation to refer to the FRM Manual and the definitions of "flood planning area" and "probable maximum flood" in the FRM Manual.

9. This means that planning certificates issued under section 10.7 of the Environmental Planning and Assessment Act 1979 will now have to specify the following with reference to the definitions in the FRM Manual:
 - (a) "If the land or part of the land is within the flood planning area and subject to flood related development controls."
 - (b) "If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls."
10. The Manual recommends a review of the existing studies and plans after a significant flood event or every 5 years.

FINANCIAL IMPLICATIONS

11. No budget impact for this report.

RISK IMPLICATIONS

12. No risks identified.

COMMUNITY ENGAGEMENT

13. Community engagement is not required.

FILE REFERENCE

D24/39964

ATTACHMENTS

Attachment [↓](#)1 Presentation from the Department of Climate Change, Energy, the Environment and Water



Flood Risk Management Manual & Toolkit

<https://www.environment.nsw.gov.au/topics/water/floodplains>

Overview

Angela Halcrow
Senior Natural Resources Officer: Floodplain Management BCD
Department of Climate Change, Energy the Environment and Water

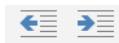
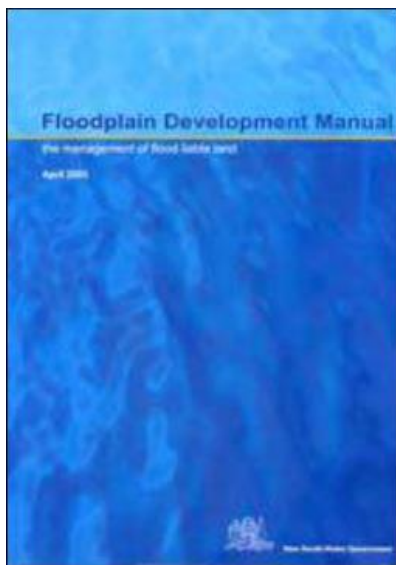
6th February 2024





What has changed?

- Manual includes: Vision, Principles and FRM Framework
- Administration and Technical guidelines separate



Administration Arrangements Guide

New tools in the Toolkit

- Delivery under the FRM Framework
- Flood Risk Management Measures
- Flood Damage Estimation Tool
- Understanding and Managing Flood Risk
- Support for Emergency Management
- Flood Function
- Flood Hazard
- Flood Impact and Risk Assessment

Local Councils remain responsible for managing flood prone land



Vision for flood risk management in New South Wales

Floodplains are strategically managed for the sustainable long-term benefit of the community and the environment, and to improve community resilience to floods.

Extract from s 733 of the *Local Government Act 1993*

1. A council does not incur any liability in respect of—
 - a. any advice furnished in good faith by the council relating to the likelihood of any land being flooded or the nature or extent of any such flooding, or
 - b. anything done or omitted to be done in good faith by the council insofar as it relates to the likelihood of land being flooded or the nature or extent of any such flooding. [...]
3. Without limiting subsections (1), (2) and (2A), those subsections apply to—
 - a. the preparation or making of an environmental planning instrument, including a planning proposal for the proposed environmental planning instrument, or a development control plan, or the granting or refusal of consent to a development application, or the determination of an application for a complying development certificate, under the *Environmental Planning and Assessment Act 1979*, and [...]
 - c. the imposition of any condition in relation to an application referred to in paragraph (a), and
 - d. advice furnished in a certificate under section 149 of the *Environmental Planning and Assessment Act 1979*, and
 - e. the carrying out of flood mitigation works, and
 - f. the failure to upgrade flood mitigation works or coastal protection works in response to projected or actual impacts of climate change, and
 - g. any other thing done or omitted to be done in the exercise of a council's functions under this or any other Act.

Why follow the manual?

s733 indemnity under the local government act only applies if councils act in good faith, in accordance with the manual.

The manual and its associated guides have been prepared to reflect current best practice, and support Councils to understand and manage flood risk to their communities.

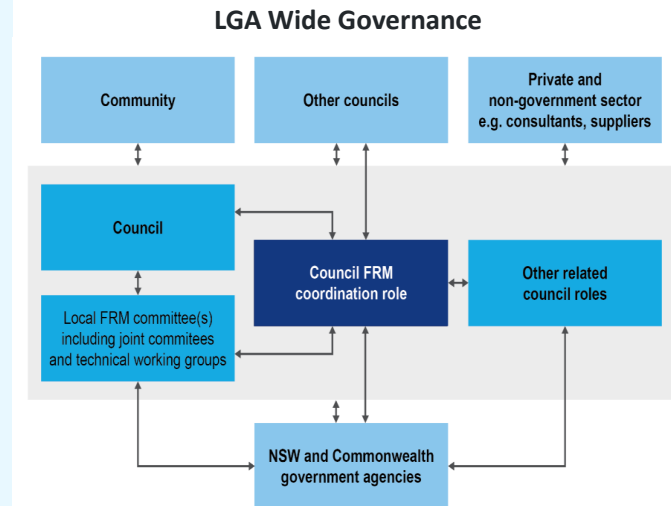
The manual and admin guide outlines responsibilities for councils and agencies in flood risk management

The new manual outlines these principles

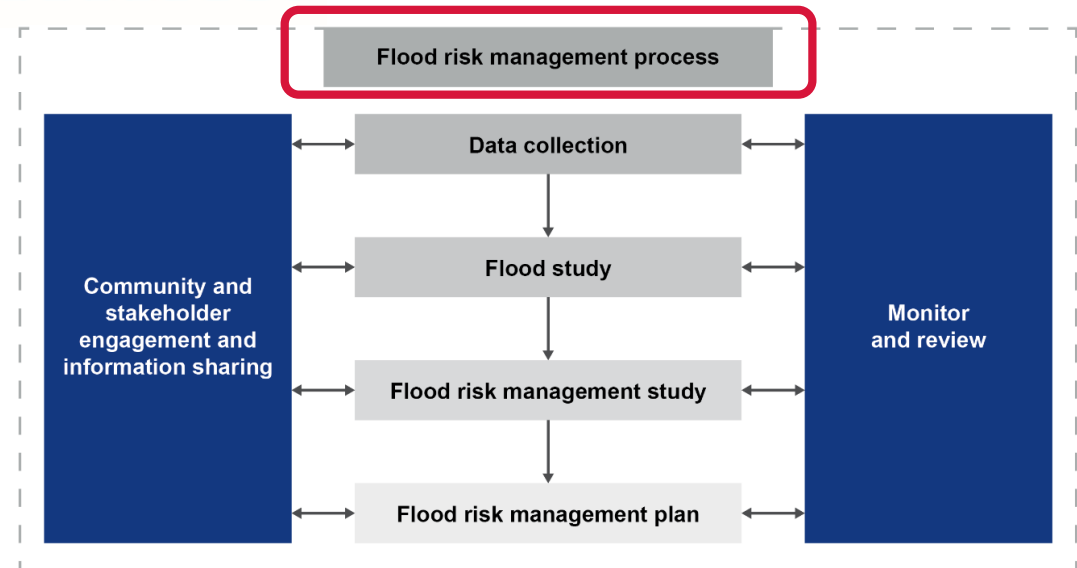


Principles for flood risk management in New South Wales

1. Establish sustainable governance arrangements
2. Think and plan strategically
3. Be consultative
4. Make flood information available
5. Understand flood behaviour and constraints
6. Understand flood risk and how it may change
7. Consider variability and uncertainty
8. Maintain natural flood functions
9. Manage flood risk effectively
10. Continually improve the management of flood risk



The manual uses a range of acronyms and some new terms
The Manual has a glossary of terms with additional terms used in the toolkit in the
Administration Arrangements Guide





Do I need to throw out my existing studies & plans?

Absolutely not.

Councils need to keep managing flood risk using the best available flood information to inform decisions.

But FRM plans can't be kept on the shelf, they need to be:

- reviewed and where necessary updated:
 - After a major flood
 - If there is significant changes in the catchment or in your ability to deliver actions
 - After 5 years if no other changes occur.
 - This does not have to be a complicated review
- Implemented
 - Included in FRM framework
 - Linked to IPR framework depending on the measure



The updated Manual is focused - current and future



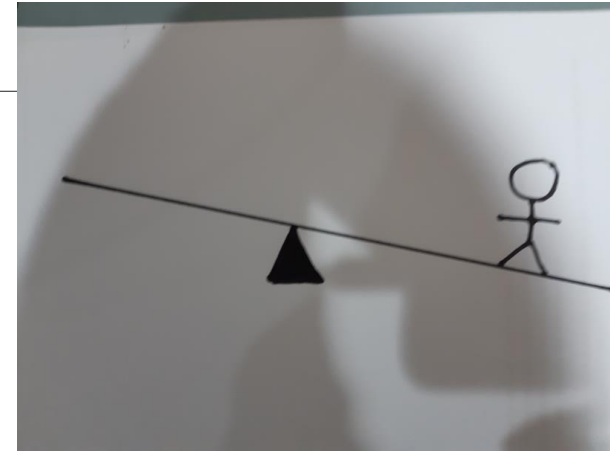
Manual outlines the importance of:

- understanding flood behaviour and constraints and how these may change into the future
- understanding tipping points – this is where flood behaviour and / or impacts or community response may change

It looks at the full range of flood behaviour and other factors including rate of rise, available warning, vulnerability of community, isolation, flood hazard, ability to evacuate and many others to determine what impacts and risks are present.

Guidelines outline linkages with FRM, EM and land use planning including considerations for flood planning levels and considering flooding in DCP's

Support for EM Guideline includes a greater focus on information to support emergency services including sample templates for provision of data to support EM planning





What happens next?

NSW Government

NSW Government through the Floodplain Management Program continue to provide technical assistance and financial support to Councils to understand and manage flood risks to the community.

MCEF will be supporting councils to understand the manual and guide and deliver FRM under the FRM Framework.

MCEF will continue to develop guidance and tools to assist in the process.

Council

Council should document their governance arrangements and have forward planning in place to manage flood risk

Continue to work with your BCD representative to determine what actions to take now – for studies about to start it is a good time to use the new guidelines.

For studies already underway the need to update to the new guidance should be determined with your BCD representative.

Existing studies and plans should be updated they are reviewed over time – remember you should do this after a significant event or every 5 years

If in doubt reach out

CONFIDENTIAL ITEMS (CLOSED MEETING)

Council's Code of Meeting Practice allows members of the public present to indicate whether they wish to make representations to the meeting, before it is closed to the public, as to whether that part of the meeting dealing with any or all of the matters listed should or should not be considered in closed session.

RECOMMENDATION

That in accordance with the provisions of Part 1 of Chapter 4 of the Local Government Act 1993, the following matters be considered in closed Meeting at which the press and public are excluded.

That in accordance with the provisions of Section 11(2) of the Act, the reports and correspondence relating to these matters be withheld from the press and public.